East Baldwin Road Raising, Hamlet of Baldwin, Nassau County, NY
Environmental Assessment

Prepared by Tetra Tech Inc.
1999 Harrison Street, Suite 500
Oakland, CA 94612

New York State Homes and Community Renewal
Governor's Office of Storm Recovery
38-40 State Street
Albany, NY 12207

May 4, 2017

East Baldwin Road Raising
Hamlet of Baldwin, Nassau County, NY
Environmental Assessment

May 4, 2017

Project Name:	East Baldwin Road Raising
Project Location:	Hamlet of Baldwin, Nassau County, New York
Federal Agency:	US Department of Housing and Urban Development
Responsible Entity:	New York State Homes and Community Renewal
Responsible Agency's Certifying Officer:	Lori A. Shirley
Project Sponsor:	Town of Hempstead
Primary Contact:	Douglas L. Tuman, P.E., Esq., Commissioner Town of Hempstead Department of Engineering 350 Front Street Hempstead, NY 11550-4037
Project NEPA Classification:	24 CFR 58.36 (Environmental Assessment)

Environmental Finding:	**X** 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	Lori A Shirley Lori A. Shirley

Environmental Assessment Prepared By:	Consultant: **Tetra Tech, Inc.** Address: 1999 Harrison Street, Suite 500 Address: Oakland, CA 94612

CERTIFICATION OF NEPA CLASSIFICATION

It is the finding of New York State Homes and Community Renewal's Housing Trust Fund Corporation that the activity(ies) proposed in its 2017 NYS CDBG-DR project, East Baldwin Road Raising, are:

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.

Lori A Shirley

Signature of Certifying Officer
Lori A. Shirley
GOSR Certifying Officer

May 4, 2017
Date

CERTIFICATION OF SEQRA CLASSIFICATION

It is the finding of New York State Homes and Community Renewal's Housing Trust Fund Corporation that the activity(ies) proposed in its 2015 NYS CDBG-DR project, East Baldwin Road Raising constitute a:

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)
  - ☐ Draft EIS
  - ☐ Final EIS

_____ May 4, 2017_____

Signature of Certifying Officer — Date

Lori A. Shirley
GOSR Certifying Officer

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]**:**
The Town of Hempstead is proposing the raising and reconstruction of four local roads, Washington Place, Hayes Place, Van Buren Place, and Jackson Place on the west side of Milburn Creek and Baldwin Bay in the Hamlet of Baldwin, Town of Hempstead, Nassau County, New York (**Figure 1**). The Project would disturb approximately 2 acres of previously developed land, roadways, sidewalks, driveways, curbing, turf, etc., that are part of an existing residential subdivision, on an approximately 3.1-acre Project site that encompasses multiple parcels. These parcels cover approximately 13.6 acres.

Large sections of the neighborhood roadways are less than 1.5 feet above the National Geodetic Vertical Datum (NGVD), making them susceptible to varying levels of tidal flooding from the adjacent Milburn Creek and Baldwin Bay. The entire neighborhood is in the 100-year floodplain.

The streets are paved with asphalt and have concrete gutters and sidewalks, with stormwater inlets in the gutters. The stormwater drainage for each street outfalls to Wilburn Creek and Baldwin Bay. The properties on either side of the streets are fully developed residences with yards and driveways (mix of brick, concrete, and asphalt). The streets are in the 100-year floodplain and over the Nassau-Suffolk Sole Source Aquifer.

Across the four local roads, approximately 2,215 linear feet of residential street would be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA's) 10-year still water level. At their western ends, the streets would be sloped down to the level of Eastern Parkway that is at the western edge of the Project (see **Figure 1**). There would be no construction in the Eastern Parkway.

Construction will include replacing concrete curbs and sidewalks, expanding the existing storm water drainage system by installing new drains on public and private property, installing check valves on existing outfalls, and reconstructing street-end bulkheads to minimum elevations of 7.5 feet National Geodetic Vertical Datum (NGVD). **Figures 2a through 2f** show the area of potential disturbance, each property would be affected to a different degree depending on the slope required.

Temporary construction easements are needed to implement this project and are being obtained in compliance with the Uniform Relocation Assistance and Real Property Acquisition Act of 1970 (URA) and all other applicable federal, state, and local regulations. If at any time it is determined that permanent or additional temporary acquisition of property is necessary the Town of Hempstead will comply with all applicable laws.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:
In June 2013, Governor Andrew Cuomo set out to centralize recovery and rebuilding efforts in impacted areas of New York State. Nassau County was impacted by Superstorm Sandy that was the catalyst for the allocation of disaster relief funds under the Community Development Block Grant – Disaster Recovery (CDBG-DR) award. The Governor's Office of Storm Recovery (GOSR)

was established to administer the award funds, address communities' most urgent needs, and encourage the identification of innovative and enduring solutions to strengthen the state's infrastructure and critical systems. Operating under the umbrella of New York State Homes and Community Renewal (HCR), GOSR uses approximately $3.8 billion in flexible funding made available by the U.S. Department of Housing and Urban Development's (HUD) CDBG-DR program to concentrate aid to four main areas: housing recovery, small business, community reconstruction, and infrastructure. Paired with additional federal funding that was awarded to other state agencies, the CDBG-DR program is enabling homeowners, small businesses and entire communities to build back and better prepare for future extreme weather events. (Source: 1, 2)

Development in the neighborhood along canals began in the 1930s, before any flood insurance study or the establishment of flood zones. The neighborhood roadways were established to accommodate the first floor elevations of houses. The neighborhood roadways are susceptible to varying levels of tidal flooding from the adjacent Milburn Creek and Baldwin Bay. One of the core goals of the State of New York's CDBG-DR Action Plan is to rebuild Superstorm Sandy-impacted infrastructure with an eye toward mitigation to prevent similar damage from recurring. As recognized in the *Baldwin NY Rising Community Reconstruction Plan,* the streets of Washington Place, Hayes Place, Van Buren Place, and Jackson Place experienced severe tidal flooding during Hurricane Irene and Superstorm Sandy. Since those storms, these streets have experienced an increase in tidal flooding during monthly high tides.

This continual flooding directly affects the community's quality of life and property values have suffered. Costs associated with these flood events include damage to private property, ranging from internal flooding to properties in severe floods, to damage to lawns and landscaping in the less severe cases. Vehicles parked or driven through the saltwater flooding can also become damaged, and, there is disruption to sanitary curbside garbage collection, interruption of mail services, and general disruption to the residents' daily lives.

The proposed improvements to the streets, bulkheads, and drainage system would reduce damage to homes, lawns and landscaping; reduce disruption of public services such as sanitary garbage collection and mail services; and allow better fire protection, rescue and police responses during storms and high tides. The Project would directly contribute to the rebuilding and recovery of the area with a focus on resiliency and mitigation.

The proposed infrastructure improvements at this location would contribute to meeting the CDBG-DR Action Plan's goals of rebuilding community infrastructure to help mitigate the future impact of flooding for the area. The improvements align with the Baldwin NY Rising Community Reconstruction Plan strategies to "Improve Stormwater Management and Drainage Systems" and "Improve Transportation and Communication Connectivity."

Existing Conditions and Trends [24 CFR 58.40(a)]:
The hamlets of Baldwin and Baldwin Harbor cover a combined land area of approximately 4.7 square miles along the south shore of Long Island's Middle Bay in the Town of Hempstead,

Nassau County, New York. Approximately 13 percent of this area is surface water. These two communities extend from Middle Bay and Baldwin Bay north to the Southern State Parkway, crossing over the Merrick Road and Sunrise Highway corridors. Land uses include of a mix of upland and waterfront single-family home neighborhoods with different architectural styles and tree-lined streets. Retail stores and shops are clustered around the Long Island Rail Road (LIRR) Baldwin Station and along Grand Avenue. The two hamlets have a population of more than 32,000 and are close-knit, ethnically diverse communities. In 2013, the estimated population of 32,322 residents was composed of 44.6 percent White, 29.3 percent Black or African American, 18.8 percent Hispanic or Latino, 4.5 percent Asian, and 2.9 percent other. The population's median age was 40.9 years. Community residents comprise 10,436 households and are estimated to have a median household income of $102,986. Over the next five years, the Community is expected to have a population growth of less than one percent (Source: 2).

Recurrent flooding has directly affected the quality of life and property values throughout the community. The streets of Washington Place, Hayes Place, Van Buren Place, and Jackson Place experienced severe tidal flooding during Hurricane Irene and Superstorm Sandy. Since those storms, these streets have experienced an increase in tidal flooding during monthly high tides (Source: 2).

Standard Conditions for All Projects

Any change to the approved scope of work will require re-evaluation by the Certifying Officer for compliance with the National Environmental Policy Act (NEPA), State Environmental Quality Review Act (SEQRA), and other laws and Executive Orders.

This review does not address all federal, state, and local requirements. Acceptance of federal funding requires the 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.

Funding Information

Estimated Total HUD Funded Amount: $2,061,000

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]:
$2,061,000

Project Area

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 1. Location of Proposed Project

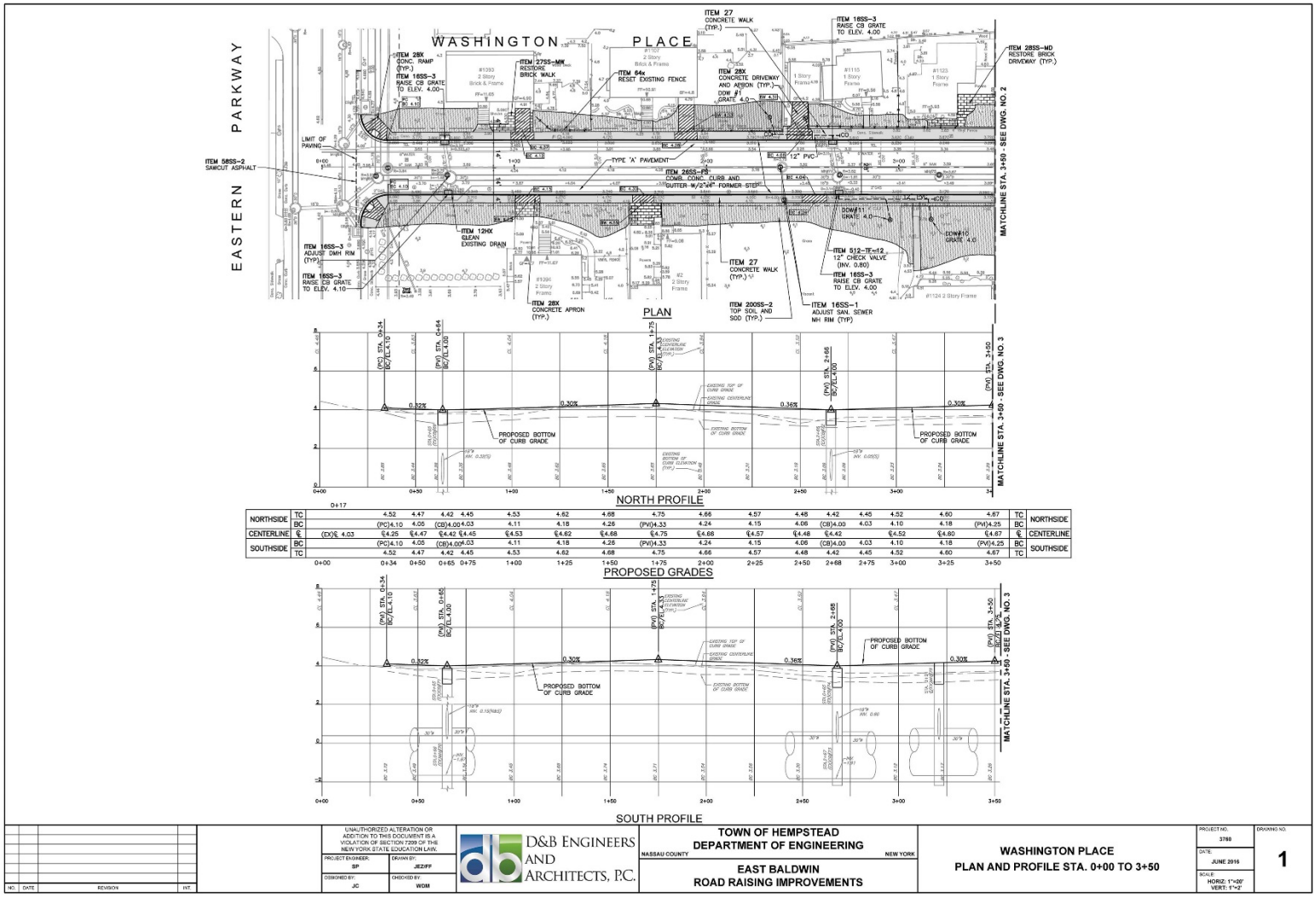


Figure 2a. Areas of Potential Disturbance along Washington Place.

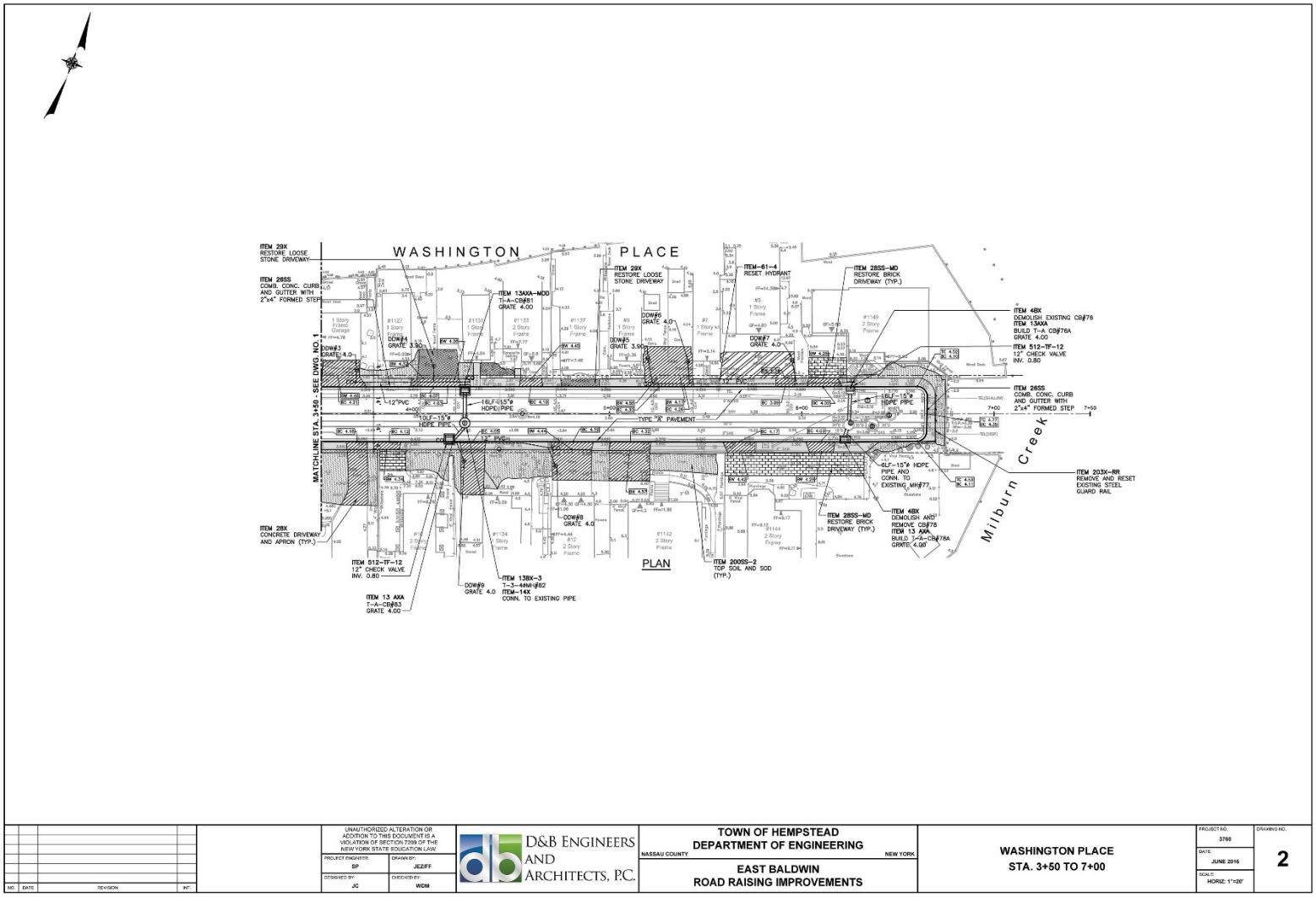


Figure 2b. Areas of Potential Disturbance along Washington Place.

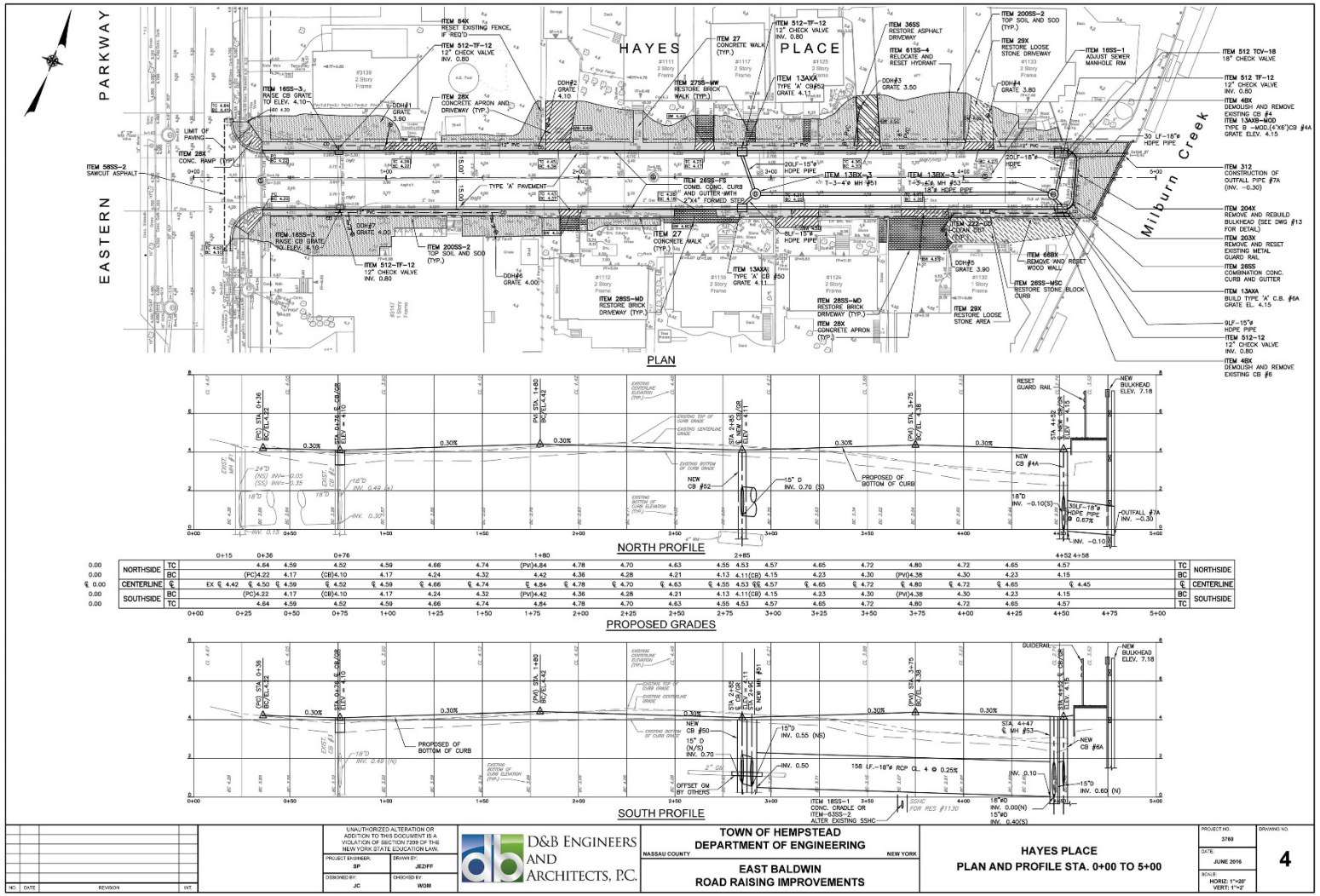


Figure 2c. Areas of Potential Disturbance along Hayes Place.

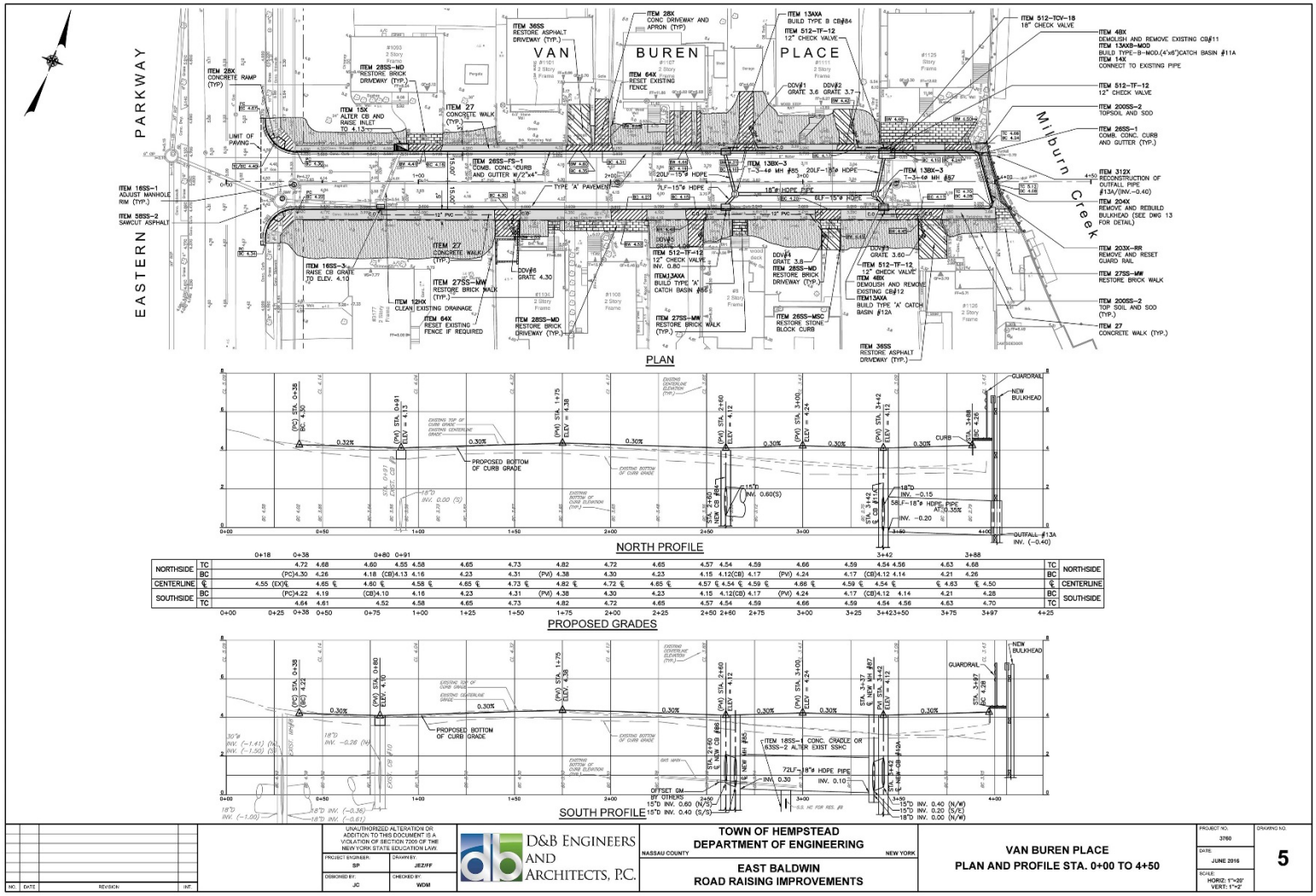


Figure 2d. Areas of Potential Disturbance along Van Buren Place.

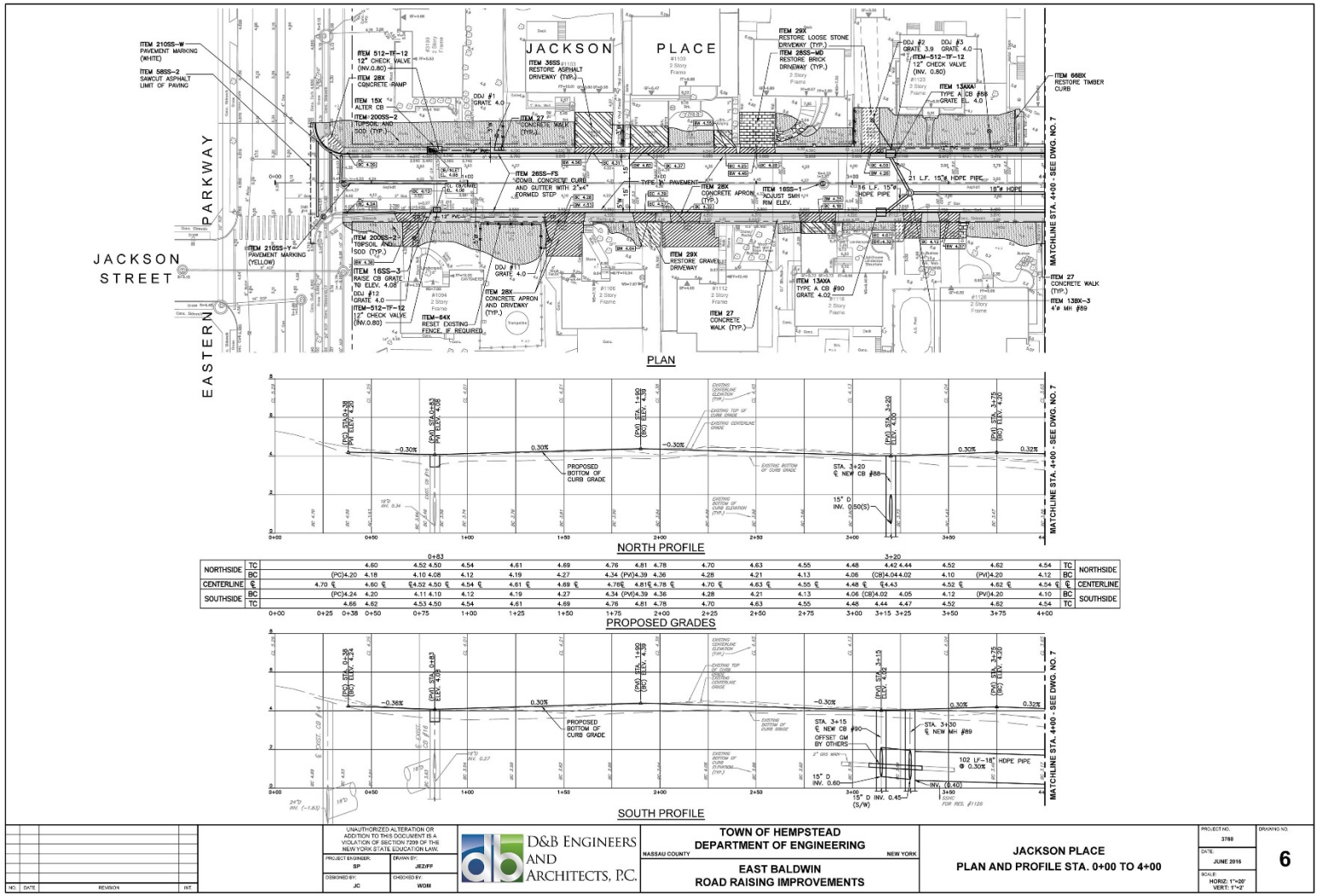


Figure 2e. Areas of Potential Disturbance along Jackson Place.

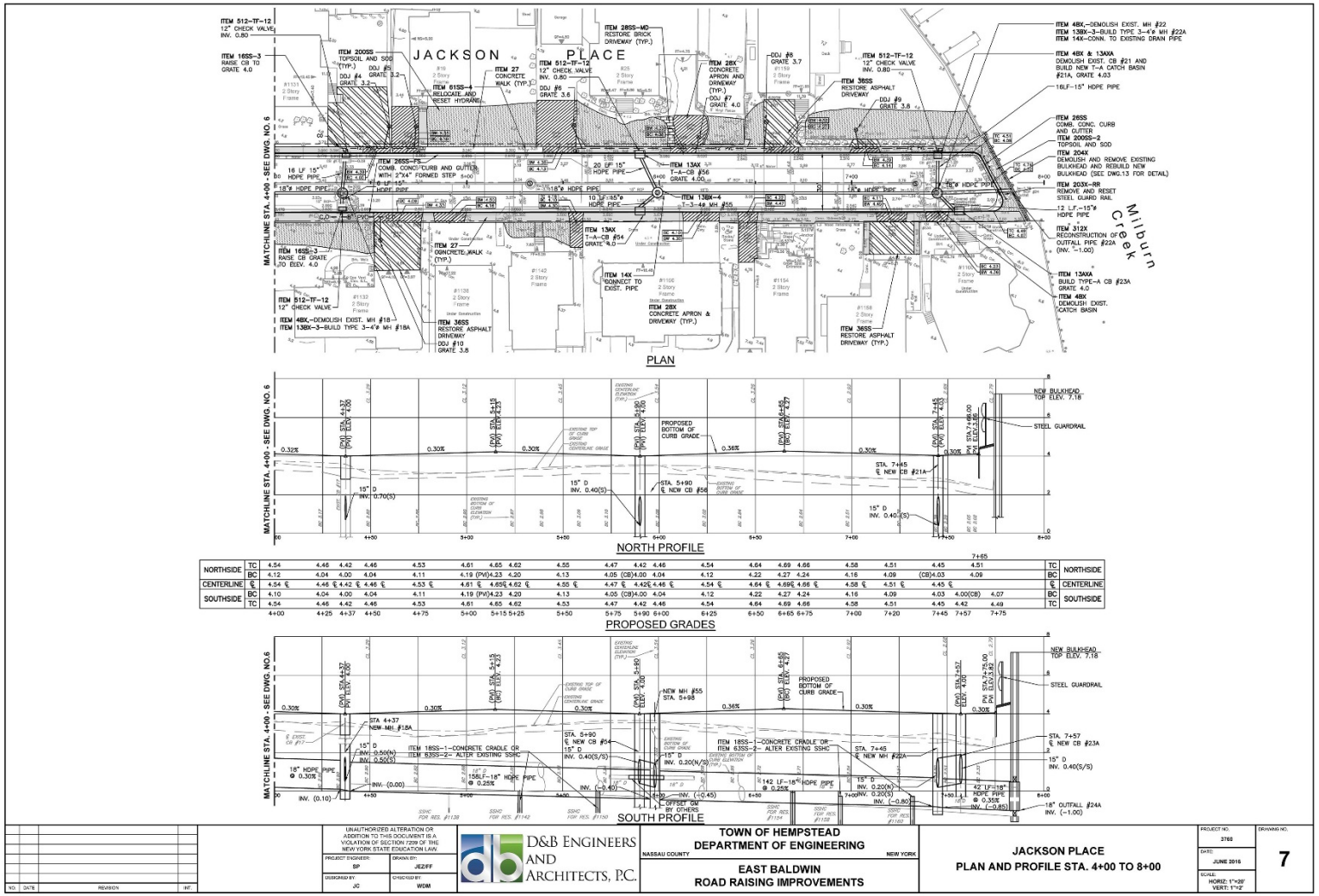


Figure 2f. Areas of Potential Disturbance along Jackson Place.

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 or approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No ☒	Based on HUD guidance in Fact Sheet #D1, the National Plan of Integrated Airport Systems (NPIAS) was reviewed for civilian, commercial service airports near the Project site, as projects within 2,500 feet of a civil airport require consultation with the appropriate civil airport operator. There are no military airports within 15,000 feet of the Project site, and it is not within 2,500 feet of any civil airport. (See **Appendix A**, Figures) **Source: 3, 4**
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	The Project site is not in a Coastal Barrier Resources Area as defined by the state's Coastal Zone Management Program. (See **Appendix A**, Figures) **Source: 5, 6**
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes ☐ No ☒	The Project site is in the 100-year Special Flood Hazard Area (SFHA), as indicated on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Community Panel Number

		36059C0238G, dated September 11, 2011. (See **Appendix A**, Figures). The Project would be in a previously disturbed area in the 100-year floodplain and would not affect the floodway or the 500-year floodplain (See **Appendix C**, Floodplains and Wetlands, **Appendix A**, Figures, and **Appendix B**, Site Plans). The Town of Hempstead is a participant in National Flood Insurance Program (NFIP), that requires that it adopt and enforce floodplain management regulations that meet or exceed the minimum NFIP standards and requirements. This Project would not involve financial assistance for construction, rehabilitation, or acquisition of a mobile home, building, or insurable personal property, or the purchase of machinery, equipment, fixtures, or furnishings that are insurable under the NFIP. The Project would improve the flood protection in the community by reducing the impacts of flooding to real property along the four Project area roads. **Source: 7**
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes ☐ No ☒	The Project site is included in the most recent listing of nonattainment areas for the 2008 8-hour ozone standard and the 2006 24-Hour PM-2.5 standard, as defined by the US Environmental Protection Agency (EPA) Green Book Nonattainment Areas for Criteria Pollutants. (See **Appendix A**, Figures) The Project would not introduce new construction or convert land use facilitating the development of public, commercial, or industrial facilities, or five or more dwelling units. Air quality effects related to the Project would be limited to the area and

		duration of construction and would not contribute to an increase in ozone or its precursors in this nonattainment area. The Project would not require an NYS Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit. The Project activities would not substantively affect air quality. The size of the Project is consistent with the New York State Implementation Plan (SIP). Implementation of standard best management practices (BMP) would control dust and other emissions during construction. Increases in traffic are not anticipated as a result of the Project and, therefore, would not be likely to contribute to air emissions. **Source: 8**
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes ☒ No ☐	The Project site is in a coastal zone as defined by the state's Coastal Zone Management Program. (See **Appendix A**, Figures.) Consultation with the NYS Department of State (DOS), Division of Coastal Resources, Consistency Review Unit, was initiated on January 3, 2017, to obtain written confirmation from DOS that the proposed activities would be in compliance with general consistency concurrence criteria. On March 23, 2017, the DOS confirmed that the Project meets the Department's general consistency concurrence criteria, so the DOS has no objection to the use of HUD funds for this financial assistance activity. (See **Appendix D**, Coastal Consistency.) **Source: 5**
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes ☐ No ☒	The Project area was previously disturbed and is developed. No hazardous or solid waste storage is evident on the site, and the

		Project would not expose new populations to hazards or nuisances. A search of the NYSDEC Bulk Storage Program Database identified two petroleum bulk storage (PBS) and one chemical bulk storage facilities within one mile of the Project site (See **Appendix A**, Figures). No tank information was available in the PBS database for the two PBS sites that appeared to be gasoline service stations about 0.5 mile from the Project. The 275-gallon above ground storage tank (AST) at the Light Alarms Electrical Corporation chemical bulk storage site has been converted to an unregulated use. A search of the NYSDEC Remedial Site Database containing records of the sites being addressed under one of NYSDEC's remedial programs (State Superfund, Brownfield Cleanup, Environmental Restoration and Voluntary Cleanup, the Registry of Inactive Hazardous Waste Disposal Sites, and Institutional and Engineering Controls) identified three remedial sites within 1 mile of the Project site (See **Appendix A**, Figures). These included one State Superfund site, one Environmental Restoration site, and one Voluntary Cleanup site, the nearest of which is the Safeguard Storage Baldwin Voluntary Cleanup Program Site approximately 0.5 mile north of the Project. Remediation at this site is complete and successfully achieved soil cleanup objectives for commercial use. Remaining contamination in the soil, groundwater, and soil vapor will be managed under a Site Management Plan. Contact with soils or groundwater contaminated with tetrachloroethylene and its breakdown products contaminated was determined unlikely unless people dig

		below the ground surface. Petroleum and other contamination may exist from past uses of the Johansan Property. The Environmental Restoration Program site is a hotel with marine docking and fueling facilities and a shipyard with a boat repair facility. EPA's NEPAssist mapping tool identified eight air emissions facilities, 23 Resource Conservation and Recovery Act facilities, and two National Pollutant Discharge Elimination System sites within one mile of the Project site. The Project site was not identified in any of the databases searched. **Asbestos and Lead-Based Paint** Asbestos and lead-based paint hazards are not a concern because no structures would be demolished or altered by the Project. **Radon** According to the EPA, the Project site is in Radon Zone 3, where the predicted average indoor radon screening level is less than 2 picoCuries per liter (pCi/L), the lowest potential for elevated indoor radon levels. While action levels are not applicable to this infrastructure project, this level is below New York State Department of Health (NYS DOH) and the EPA that use 4 pCi/L as a recommended action level for residential radon exposure. The action level does not apply to infrastructure. **Source: 9, 10, 11, 25**
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☐ No ☒	The US Fish and Wildlife Service (USFWS) online review process, completed on November 16, 2016 and updated on April 17, 2017, showed two endangered and four threatened species with the potential to occur in the proposed Project area: the endangered roseate tern (*Sterna dougallii dougallii*) and sandplain gerardia (*Agalinis*

		acuta); and the threatened piping plover (*Charadrius melodus*), red knot (*Calidris canutus rufa*), seabeach amaranth (*Amaranthus pumilus*), and northern long-eared bat (NLEB) (*Myotis septentrionalis*). Several migratory birds of concern that could be affected by the proposed Project were identified in the online review process. Nassau County is listed as one of the U.S. counties within 150 miles of positive counties/districts experiencing White-Nose Syndrome per the Final 4(d) Rule. The main impact of concern for bats is the cutting or removal of potential hibernacula or roost trees. No trees would be cut as part of this Project, and the site is not within 0.25 mile of known or assumed hibernacula for the NLEB, nor are there documented maternity roosts within 150 feet of the Project site, so no impacts to the NLEB are anticipated. The site is not within 5 miles of NLEB hibernacula. On March 21, 2017, the USFWS acknowledged receipt of a determination of no effect and/or no impact, and stated that no further Endangered Species Act coordination or consultation is required. On December 2, 2016, the New York Natural Heritage Program (NYNHP) stated that it has no records of rare or state-listed animals or plants or significant natural communities at the Project site or nearby. (See **Appendix E**, USFWS and NYNHP Correspondence, and **Appendix A**, Figures) **Source: 12, 13**
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☐ No ☒	HUD-assisted projects must be located at an Acceptable Separation Distance (ASD) from stationary hazardous operations that store, handle or process chemicals or

		petrochemicals of an explosive or flammable nature. These tanks include: • ASTs that store flammable or explosive gasses (such as propane) within a 1,000-foot radius of the Project site; • ASTs exceeding 100 gallons that store flammable or explosive liquids within a 1,000-foot radius of the Project site; or • ASTs that exceed 20,000 gallons and are within 1 mile of the site. There are no known ASTs that store flammable or explosive gasses or liquids within 1,000 feet of the Project site, and no known ASTs that exceed 20,000 gallons are within 1 mile of the Project site. **Source: 9, 25**
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes ☐ No ☒	There are no prime and unique farmlands, or other farmland of statewide or local importance in the Project area. The Project would not convert farmland to nonagricultural purposes and would not invoke the Farmland Policy Protection Act. The Project area is not in a New York State agricultural district. (See **Appendix A**, Figures) **Source: 14**
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes ☒ No ☐	The Project site is in the 100-year SFHA, as indicated on the FEMA FIRM Community Panel Number 36059C0238G, dated September 11, 2011. (See **Appendix A**, Figures). The Project would be in a previously disturbed area in the 100-year floodplain and would not affect a floodway or the 500-year floodplain (See **Appendix C**, Floodplains and Wetlands, **Appendix A**, Figures, and **Appendix B**, Site Plans).

		Therefore, a five-step floodplain analysis for critical actions in the 100-year floodplain was prepared for this site (See **Appendix C**, Floodplains and Wetlands). The floodplain area is previously disturbed by the existing roads (Washington Place, Hayes Place, Van Buren Place, and Jackson Place) and residential development along these roads. These four local roads would be raised with sufficient minimum gutter elevation to meet the FEMA's 10-year still water level. Surface disturbance associated with the Project includes the 2,215 linear feet of street, curbs and sidewalks along the roads, improvements to the stormwater drainage system, installation of check valves at outfalls, the reconstruction of street end bulkheads, and front yards and driveways of the individual properties along each street. Approximately 3.1 acres of previously disturbed floodplain would be disturbed by the Project. There would be a negligible change in the existing impermeable surface (approximately two acres) that would be the only long-term effect on the floodplain. The limited area of disturbance would not adversely affect the natural and beneficial values of the floodplain and would benefit lives and property. (See **Appendix C**, Floodplains and Wetlands.) **Source: 7**
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800; Tribal notification for new ground disturbance.	Yes ☒ No ☐	Consultation with the New York State Historic Preservation Office (SHPO) and the Division for Historic Preservation (DHP) in the Office of Parks, Recreation and Historic Preservation (OPRHP), in accordance with Section 106 of the National Historic Preservation Act of 1966, was initiated on March 10, 2017. A recent check of the New York Cultural Resource Information System (NY-CRIS) found that six properties in the

		area of potential effect (APE) have been evaluated by OPRHP. The Project's total direct area of potential effects (direct APE) resulting from construction related ground disturbance is 3.1 acres. The construction areas include streets, sidewalks, street end bulkheads, and adjoining areas of front lawns and driveways. The total APE, including the direct APE and the full extent of the adjoining parcels, covers 11.7 acres made up of 65 tax parcels, according to online Nassau County tax records. NY-CRIS indicates the Project is in an area rated as archaeologically sensitive by the SHPO; however, the NY-CRIS database records no pre-contact period Native American sites within 5 miles of the Project area. The Project is assessed as having low potential to affect archaeological resources. SHPO evaluated the project for potential cultural and historic impacts and in a March 15, 2017, letter, SHPO stated that the Project would have "no adverse effect" on historic properties. (See **Appendix F**, SHPO Correspondence) The Stockbridge-Munsee Community Band of Mohican Indians, Unkechaug Nation, and the Shinnecock Nation were identified as possible consulting parties. Each was sent a letter on March 10, 2016, with the site description, photographs, site plan, and map. On March 23, 2017, the Stockbridge Munsee Mohican Tribe stated that the Project is not in its cultural area of interest, and they had have no comment or need to consult. No responses were received from the other tribes as of the time of publication of this Environmental Assessment. (See **Appendix G**, Tribal Correspondence) **Source: 15**

Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes ☐ No ☒	The Project is not a noise-sensitive use, and the policies of 24 CFR 51.101(a)(3) do not apply to any action or emergency assistance under disaster assistance provisions or appropriations that are provided to save lives and protect public health and safety.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes ☒ No ☐	The Project site is in the bounds of the Nassau-Suffolk Sole Source Aquifer (SSA). Designated Area (see **Appendix A**, Figures) Project construction would disturb approximately 2,215 linear feet of residential street and would include the replacement of concrete curbs and sidewalks, improvements to the stormwater drainage system, installation of check valves at outfalls, and the reconstruction of street end bulkheads along these streets. Catch basin inserts will be installed and maintained to trap sediment, debris, floatables, and other pollutants prior to stormwater discharge. There are approximated 2.0 acres of existing impervious surface in the Project area (streets, sidewalks, and driveways). The amount of impervious surface would not significantly change. The streets, gutters and sidewalks would not be expanded. The existing yards and driveways would be rebuilt. The driveways would be reconstructed in the same manner and with the same materials. Only the grades would be altered. Consultation with the EPA was initiated on December 2, 2016. On January 9, 2017, the EPA concurred that the Project satisfies the requirements of the Safe Drinking Water Act and would not pose a significant threat to the Nassau-Suffolk SSA. (See **Appendix H**, Sole Source Aquifers)

		Source: 11, 16
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes ☒ No ☐	The Project site is adjacent to tidal-coastal wetlands, as identified by NYSDEC, and is in the 300-foot regulatory boundary of these tidal-coastal wetlands. The Project site is adjacent to a National Wetlands Inventory (NWI) riverine wetland to the west, and an NWI estuarine and marine deepwater wetland (Milburn Creek and Baldwin Bay). (See **Appendix A**, Figures) The Project would not disturb the NYSDEC tidal-coastal wetlands or the NWI wetland, but Project-related construction would disturb approximately two acres of the 300-foot buffer area around the NYSDEC wetlands. Prior to construction, the appropriate permits would be obtained in accordance with 6NYCRR Part 608, Protection of Waters Program; 6NYCRR Part 661, Tidal Wetlands Permit Program, NYSDEC stormwater discharge from construction activities regulations; and Section 401 of the Clean Water Act. A stormwater pollution prevention plan (SWPPP) would be prepared for the Project. It will describe the use of best management practices to control runoff during construction. This would mitigate any temporary effects on these wetland areas. No changes in land use or impervious surface that would affect these wetlands in the long term would occur from the Project. In accordance with 24 CFR Part 55, Floodplain Management and Protection of Wetlands, a 5-step wetland and floodplain analysis was prepared to assess potential impacts to the identified wetland areas and methods to minimize the potential adverse impacts on a wetland. The analysis concluded that the Project would not have adverse impacts on the natural and

		beneficial values of the wetland or lives and property. (See **Appendix C**, Floodplains and Wetlands) **Source: 17, 18 19**
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes ☐ No ☒	There are no state or federally designated wild and scenic rivers at or near the Project. (See **Appendix A**, Figures) **Source: 20, 21, 22**
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes ☐ No ☒	The Project site is not in or adjacent to areas with environmental justice populations, as defined by NYSDEC based on data from the 2000 U.S. Census. (See **Appendix A**, Figures) **Source: 23**

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 proposal 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 or 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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The Project would not require the acquisition of new land, change the existing land use or zoning, or alter the residential character of the community. The Nassau County Comprehensive Plan acknowledges that strong infrastructure is fundamental to the County's stability and growth. It identifies coastal flooding and damage to shoreline infrastructure as a concern. The Project is part of the Baldwin New York Rising Community Reconstruction Plan and is specifically identified to prevent damage to private property, ranging from internal flooding to properties in severe floods, to damage to lawns and landscaping in the less severe cases; damage to vehicles parked or driven through the saltwater; disruption to sanitary curbside garbage collection; interruption of mail services, and general disruption; to the residents' daily lives. Recurrent flooding has directly affected the quality of life and property values throughout the community. **Source: 2, 24**

Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	1	Two of the approximately 3.1 acres of the Project area are covered by impervious surfaces. Large sections of the Project streets are less than 1.5 feet NGVD, making them susceptible to tidal flooding from the adjacent Milburn Creek and Baldwin Bay. (See **Appendix I**, Topographic Maps). The streets are paved with asphalt and have concrete gutters and sidewalks with stormwater inlets in the gutters. The stormwater drainage for each street outfalls to Wilburn Creek and Baldwin Bay. The Project would elevate each roadway, along with bulkheads and drainage systems, with sufficient minimum gutter elevation to meet FEMA's 10-year still water level. At their western ends, the roadways would be sloped down to the level of Eastern Parkway. Street end bulkheads would be reconstructed to minimum elevations of 7.5 feet NGVD to prevent flooding. The existing yards and driveways would be rebuilt to slope up to the new road level. The improved roads would have new storm drain inlets installed at property frontages. New storm drain inlets would be added to the front of the properties to enhance the performance of the existing system, and catch basin inserts will be installed to trap pollutants and improve stormwater discharge water quality. Check valves would be installed to prevent tidal water from entering the system through the outfalls. The Project footprint would be greater than one acre, so a State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges would be obtained for the construction activities, in accordance with Section 402 of the Clean Water Act that requires authorization by a National Pollutant Discharge Elimination System (NPDES) permit or by a state permit program. The SPDES is an NPDES-approved program. Coverage under NYSDEC GP-15-002 would be obtained prior to the commencement of construction activity. **Source: 14**
Hazards and Nuisances including Site Safety and Noise	2	The Project is in a 100-year flood hazard area. No other known natural hazards, including earthquake fault zones, landslide zones, or hazardous terrain, are at or near the Project site.

		The Project would generate noise during construction. Noise effects on the surrounding residential community would be short term and limited in scope. A noise mitigation plan would be developed prior to construction to minimize noise effects. Project construction would follow the provisions of the Town of Hempstead code, Chapter 144, Unreasonable Noise. Mitigation measures could include but would not be limited to restricting the time and duration of construction activities during the day and week, phasing of construction, perimeter barriers, quieter models of equipment, and use of mufflers or other sound-dissipative devices on construction equipment. **Source: 7**
Energy Consumption	2	The Project would not result in additional energy consumption because no changes in land use, population, or energy infrastructure would occur. No impacts would occur to existing nearby suppliers.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	There would be a temporary, minor increase in employment during construction and no increase in long-term employment.
Demographic Character Changes, Displacement	2	No direct or indirect population changes would result from the Project, and there would be no demographic, character, or displacement impacts.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	Because the Project involves no changes in population, there would be no impact on demand for educational or cultural facilities.
Commercial Facilities	2	Because the Project involves no changes in population, and there are no commercial facilities along the affected roads,

		there would be no impact on demand for commercial facilities.
Health Care and Social Services	2	Because the Project involves no changes in population, there would be no impact on demand for health care and social services.
Solid Waste Disposal / Recycling	2	Construction may result in a temporary increase in solid waste. Construction debris would be collected on-site and disposed of or recycled as appropriate. There would be no increase in solid waste disposal or recycling from operation of the Project because it would not result in any changes in population or land use. The proposed improvements to the streets, bulkheads, and drainage system would reduce disruption of public services such as sanitary garbage collection and mail services.
Waste Water / Sanitary Sewers	2	The proposed Project would not generate wastewater and sewage. Because the Project involves no changes in population, there would be no impact on wastewater and sewage generated in the Project area.
Water Supply	2	This Project would not change the residences' use of water or wastewater. No changes to the water supply system are anticipated. There are no drinking water wells within one-half mile of the Project site.
Public Safety - Police, Fire and Emergency Medical	2	Because the Project involves no changes in population, there would be no impact on demand for police, fire, or emergency medical services. The proposed improvements to the streets, bulkheads, and drainage system would allow better fire protection, rescue, and police responses in times of storms and high tides.
Parks, Open Space and Recreation	2	Because the Project involves no changes in population, there would be no impact on demand for parks, open space, or other recreational facilities.
Transportation and Accessibility	2	Because the Project involves no changes in population, there would be no increased use of transportation infrastructure. The Project would improve the resiliency of the existing roads for the current uses and users

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	3	The Project site is on developed, urban land in an existing residential area. Milburn Creek and Baldwin Bay are the nearby unique natural features and water resources. The Project site is in the 100-year SFHA; but, would not adversely affect the natural and beneficial values of the floodplain and would benefit lives and property. The Project would improve the flood protection in the community by reducing the impacts of flooding to real property along the four Project area roads. (See **Appendix A**, Figures, and **Appendix C**, Floodplains and Wetlands) The Project site is in the bounds of the Nassau-Suffolk SSA. Since the amount of existing impervious surface would not change, EPA determined that the Project would not pose a significant threat to the Nassau-Suffolk SSA. (See **Appendix A**, Figures, and **Appendix H**, Sole Source Aquifers) The Project site is adjacent to tidal-coastal wetlands, as identified by NYSDEC, and is in the 300-foot regulatory boundary of these tidal-coastal wetlands. The Project site is adjacent to an NWI riverine wetland to the west, and an NWI estuarine and marine deepwater wetland (Milburn Creek and Baldwin Bay). The Project would not disturb the NYSDEC tidal-coastal wetlands or the NWI wetland, but Project-related construction would disturb approximately two acres of the 300-foot buffer area around the NYSDEC wetlands. Prior to construction, the appropriate permits would be obtained in accordance with 6NYCRR Part 608, Protection of Waters Program; 6NYCRR Part 661, Tidal Wetlands Permit Program, NYSDEC stormwater discharge from construction activities regulations; and Section 401 of the Clean Water Act. An SWPPP would be prepared for the Project. The analysis concluded that the Project would not have adverse impacts on the natural and beneficial values of the wetland or lives and property. (See **Appendix A**, Figures, and **Appendix C**, Floodplains and Wetlands) **Source: 7, 14, 16, 17, 18, 19, 20, 21, 26**
Vegetation, Wildlife	2	Consultation with the USFWS found two endangered and four threatened species with the potent to occur in the

		proposed Project area. Several migratory birds of concern that could be affected by the proposed Project were identified in the online review process. No trees would be removed as part of the Project, and on March 21, 2017, the USFWS acknowledged receipt of a determination of no effect and/or no impact and stated that no further Endangered Species Act coordination or consultation is required. (See **Appendix E**, USFWS and NYNHP Correspondence, and **Appendix A**, Figures) **Source: 13**
Other Factors	2	No additional factors would be impacted by the project, and no additional impacts would occur.

Additional Studies Performed:
State Environmental Quality Review Act Type II evaluation

Field Inspection (Date and completed by)**:**
None conducted.

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

1. New York State. 2013. State of New York Action Plan for Community Development Block Grant Program Disaster Recovery (Action Plan, issued April 25, 2013, amended July 3, 2012) New York State. 2013.

2. New York State. 2014. Baldwin NY Rising Community Reconstruction Plan. March 2014.

3. Federal Aviation Administration. Report to Congress – National Plan of Integrated Airport Systems. Internet Website: http://www.faa.gov/airports/planning_capacity/npias/reports/media/ npias-2015-2019-report-appendix-b-part-4.pdf.

4. Federal Aviation Administration. Report to Congress – National Plan of Integrated Airport Systems. Internet Website: http://www.faa.gov/airports/planning_capacity/npias/reports/media/npias-2015-2019-report-narrative.pdf.

5. New York State Department of State, Office of Communities and Waterfronts – Coastal Boundary Map. Internet Website: http://appext20.dos.ny.gov/coastal_map_public/map.aspx.

6. US Fish and Wildlife Service. 2015. Coastal Barrier Resources Mapper – Beta. Internet Website: http://www.fws.gov/cbra/Maps/Mapper.html.

7. United States Federal Emergency Management Agency. Current FEMA issued Flood Maps. Internet Website: https://msc.fema.gov/portal/.

8. United States Environmental Protection Agency. Green Book Nonattainment Areas. Internet Website: http://www.epa.gov/oaqps001/greenbk/ancl.html.

9. New York State Department of Environmental Conservation Bulk Storage Database Search. Internet Website: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=4.

10. New York State Department of Environmental Conservation Environmental Site Remediation Database Search. Internet Website: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3.

11. United States Environmental Protection Agency. 2015. NEPAssist Internet Mapping Tool. https://nepassisttool.epa.gov/nepassist/nepamap.aspx.

12. US Fish and Wildlife Service. 2016. Northern Long-eared Bat Hibernacula and Maternity Roost Tree Location Information. Internet Website: https://www.fws.gov/northeast/nyfo/es/MYSE%20bat%20sites_2016.xlsx.

13. US Fish and Wildlife Service. 2016. Endangered Species Act Official Species List. November 16, 2016.

14. United States Department of Agriculture. Natural Resources Conservation Service. Internet Website: http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx.

15. New York State Cultural Resource Information System. 2016. March 2016. Internet Website: https://cris.parks.ny.gov/.

16. U.S. Environmental Protection Agency Region 2. 2007. Sole Source Aquifers for NY and NJ. September 2007. Internet Website: http://www.epa.gov/region02/gis/data/downloads/r2sole_source_aquifer.zip.

17. U.S. Fish and Wildlife Service. 2014. National Wetlands Inventory, New York. Internet Website: http://www.fws.gov/wetlands/Data/State-Downloads.html.

18. New York State Department of Environmental Conservation. Regulatory Freshwater Wetlands – New York State – 2002 GIS data. Internet Website: http://cugir.mannlib.cornell.edu/datatheme.jsp?id=111.

19. New York State Department of Environmental Conservation. Tidal Wetlands – NYC and Long Island – 1974. Internet Website: https://gis.ny.gov/gisdata/inventories/details.cfm?DSID=1139

20. National Wild and Scenic Rivers System. Internet Website: http://www.rivers.gov/new-york.php.

21. New York State Department of Environmental Conservation. Wild Scenic and Recreational Rivers. Internet Website: http://www.dec.ny.gov/permits/32739.html.

22. USDA Forest Service – Automated Lands Program. 2015. Wild and Scenic Rivers GIS data. November 30, 2015.

23. New York State Department of Environmental Conservation. Potential Environmental Justice Areas in the City of Schenectady, Schenectady County, New York. Internet Website: http://www.dec.ny.gov/docs/permits_ej_operations_pdf/schoharieej.pdf.

24. Nassau County Comprehensive Plan Committee. 2010. Nassau County, New York, Master Plan. October 2010.

25. New York State Department of Environmental Conservation. 2015. Regulation of Petroleum Tanks. Internet Website: http://www.dec.ny.gov/chemical/2642.html.

26. New York State Department of Environmental Conservation (NYSDEC). Environmental Assessment Form Mapping Tool. Internet Website: http://www.dec.ny.gov/imsmaps/ERM/viewer.htm.

List of Appendices

Appendix A	Figures
Appendix B	Site Plans
Appendix C	Floodplains and Wetlands
Appendix D	Coastal Consistency
Appendix E	USFWS and NYNHP Correspondence
Appendix F	SHPO Correspondence
Appendix G	Tribal Correspondence
Appendix H	Sole Source Aquifers
Appendix I	Topographic Maps
Appendix J	SEQRA Documentation

List of Permits Obtained or Required:
1. Because the amount of ground disturbance at the Project site is greater than 1 acre, a State Pollutant Discharge Elimination System (SPDES) Permit for Construction Activities is required.
2. Prior to construction, the appropriate permits would be obtained in accordance with 6NYCRR PART 608, Protection of Waters Program; 6NYCRR PART 661, Tidal Wetlands Permit Program, and Section 401 of the Clean Water Act.
3. Coverage under NYSDEC GP-15-002 would be obtained prior to the commencement of construction activity.
4. A SEQRA determination of non-significance (negative declaration) per Section 617.5(c)(7)

Public Outreach [24 CFR 50.23 & 58.43]**:**
On May 4, 2017, a combined Notice of Finding of No Significant Impact and Intent to Request Release of Funds will be published in the Baldwin Herald. Any individual, group, or agency may submit written comments on the Environmental Review Record to:

Lori A. Shirley, GOSR, HCR
38-40 State Street
Albany, NY 12207
(518) 474-0755
NYSCDBG_DR_ER@nyshcr.org

Cumulative Impact Analysis [24 CFR 58.32]**:**
The Project is not expected to trigger cumulative impacts, including the degradation of important natural resources, socioeconomic resources, human health, recreation, quality of life issues, and cultural and historic resources. The Project is not of a scale large enough to contribute

significantly to cumulative impacts. It would create positive impacts, as the proposed improvements to the streets, bulkheads, and drainage system would reduce flooding of the local street network, damage to homes, lawns and landscaping; reduce disruption of public services such as sanitation and mail services; and allow better fire protection, rescue, and police responses in times of storms and elevated high tides. The Project would directly contribute to the rebuilding and recovery of the area with a focus on resiliency and mitigation.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]
Proposed Project. As fully described in this Environmental Assessment, the East Baldwin Road Raising Project would involve the raising and reconstruction of four local roads, Washington Place, Hayes Place, Van Buren Place, and Jackson Place on the west side of the Milburn Creek and Baldwin Bay in the Hamlet of Baldwin, Town of Hempstead, Nassau County, New York.

Alternative Elevation Alternative. Prior to Superstorm Sandy, the Town of Hempstead had planned to raise these four local roads to avoid flooding. This alternative would raise roads to an elevation lower than the sufficient minimum gutter elevation to meet FEMA's 10-year still water level. The effects of Superstorm Sandy showed that a lower elevation would be inadequate to protect the neighborhood from flooding, so this alternative is not viable.

No Action Alternative [24 CFR 58.40(e)]:
Not undertaking the Project would not be consistent with the goals and objectives of the Baldwin NYRCR Plan and other local and state plans to improve stormwater management and drainage systems and improve transportation and communication connectivity. The Hamlet of Baldwin would not develop a key component of the resilient infrastructure it needs to avoid damage to homes, lawns, and landscaping; reduce disruption of public services, such as garbage collection and mail services; and allow better fire protection, rescue and police responses during storms and high tides. Without the Project, the community would continue to experience flooding that directly affects the community's quality of life and property values. Residents would continue to suffer with flood-related damage to private property, ranging from internal flooding to properties in severe floods, to damage to lawns and landscaping in the less severe cases; damage to vehicles parked or driven through saltwater; and disruption to sanitary curbside garbage collection, interruption of mail services, and general disruption to residents' daily lives.

Summary of Findings and Conclusions:

The proposed improvements to the streets, bulkheads, and drainage system would reduce damage to homes, lawns and landscaping; reduce disruption of public services, and allow better emergency access during and after storm events. The Project would directly contribute to the rebuilding and recovery of the area with a focus on resiliency and mitigation. The proposed Project would not result in a significant impact on the quality of the human environment or result in other direct, indirect, or cumulative impacts. The 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.

Law, Authority, or Factor	Mitigation Measure
Clean Air Act	All Project activities would comply with applicable federal, state, and local laws and regulations regarding construction emissions, including but not limited to NYCRR, NYSDEC Air Quality Management Plan, and the New York SIP. All necessary measures would be used to minimize fugitive dust emissions during construction activities. The preferred method for dust suppression is water application.
Contamination and Toxic Substances	All solid waste generated during construction would be managed and transported in accordance with the NYS solid and hazardous waste rules.
Wetlands Protection	Project-related construction would disturb approximately two acres of the 300-foot buffer area around the NYSDEC wetlands. These two acres are previously disturbed by the development of the neighborhood roads, sidewalks, lawns, and drainage structures. Prior to construction, the appropriate permits would be obtained in accordance with 6NYCRR Part 608, Protection of Waters Program; 6NYCRR Part 661, Tidal Wetlands Permit Program, NYSDEC stormwater discharge from construction activities regulations; and Section 401 of the Clean Water Act. An SWPPP would be prepared for the Project. It will describe the use of BMPs to control runoff during construction that would mitigate any temporary effects on these wetland areas.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	BMPs, such as silt fence and erosion prevention, would be used, if required by permits or agency discretion. State and local permitting requirements would incorporate BMPs to eliminate erosion impacts during construction. Storm drain protections will be used

	during construction to ensure sediments and pollutants do no enter surface waters.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	An SPDES General Permit for Stormwater Discharges would be obtained for the construction activities, in accordance with Section 402 of the Clean Water Act that requires authorization by an NPDES permit or by a state permit program. Coverage under NYSDEC GP-15-002 would be obtained prior to the commencement of construction activity.
Noise Abatement and Control	A noise mitigation plan would be developed prior to construction to minimize noise effects on residents. Project construction would follow the provisions of the Town of Hempstead code, Chapter 144, Unreasonable Noise. Mitigation measures could include but would not be limited to restricting the time and duration of construction activities during the day and week, phasing of construction, perimeter barriers, quieter models of equipment, and use of mufflers or other sound-dissipative devices on construction equipment.

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: Genevieve Kaiser Date: May 4, 2017

Name/Title/Organization: Genevieve Kaiser, Senior Environmental Planner, Tetra Tech, Inc.

Certifying Officer Signature: Lori A Shirley Date: May 4, 2017

Name/Title: Lori A. Shirley, Certifying Officer, Governor's Office of Storm Recovery

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).

APPENDIX A

FIGURES

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Project Area.mxd

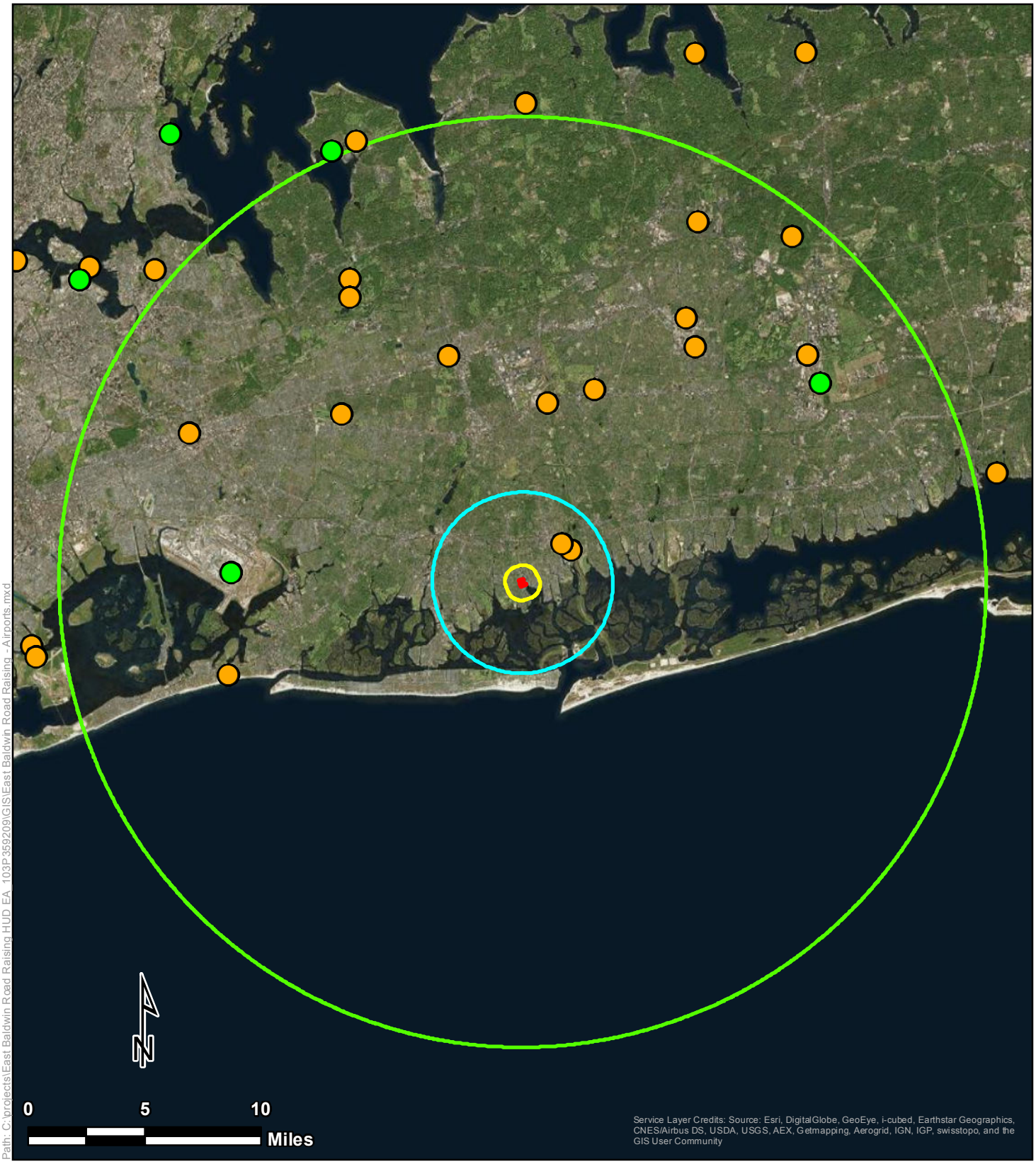
Project Area

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc



Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Airports.mxd

Legend

Airports

- Public Use
- Private Use
- Project Area
- 2,500-Foot Project Site Buffer
- 15,000-Foot Project Site Buffer
- 15-Mile Project Site Buffer

Airports

East Baldwin Road Raising
Baldwin, Nassau County, New York

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Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Coastal Barrier Resources.mxd

Coastal Barrier Resources

East Baldwin Road Raising
Baldwin, Nassau County, New York

Legend

- Project Area
- CBRS Polygons

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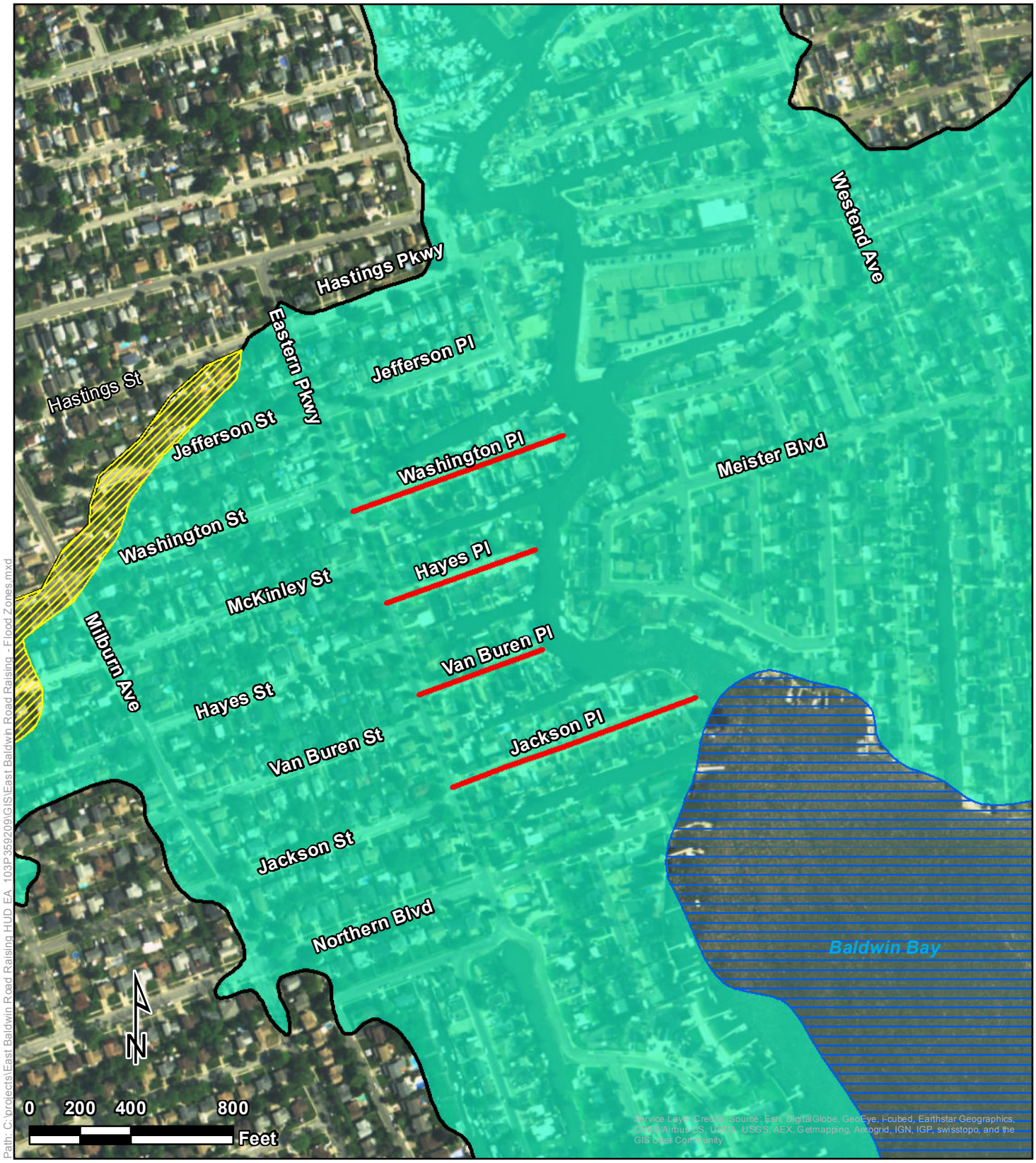

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Legend

Project Area

Flood Zones

- Zone AE- within the 1% annual chance flood
- Zone AE - floodway
- Zone VE - coastal flood zone with velocity hazard
- Zone X - within the 0.2% annual chance of flood
- Zone X - area of minimal flood hazard

Flood Zones

East Baldwin Road Raising
Baldwin, Nassau County, New York

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Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Nonattainment Areas.mxd

Legend

- Project Area
- Pb NAA 2008
- SO2 2010 Standard NAA
- Ozone 8hr 2008 Standard NAA
- PM2.5 2006 Standard NAA

Nonattainment Areas

East Baldwin Road Raising
Baldwin, Nassau County, New York

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Welcome to the NYS Coastal Boundary Map

Help

Search

Address:

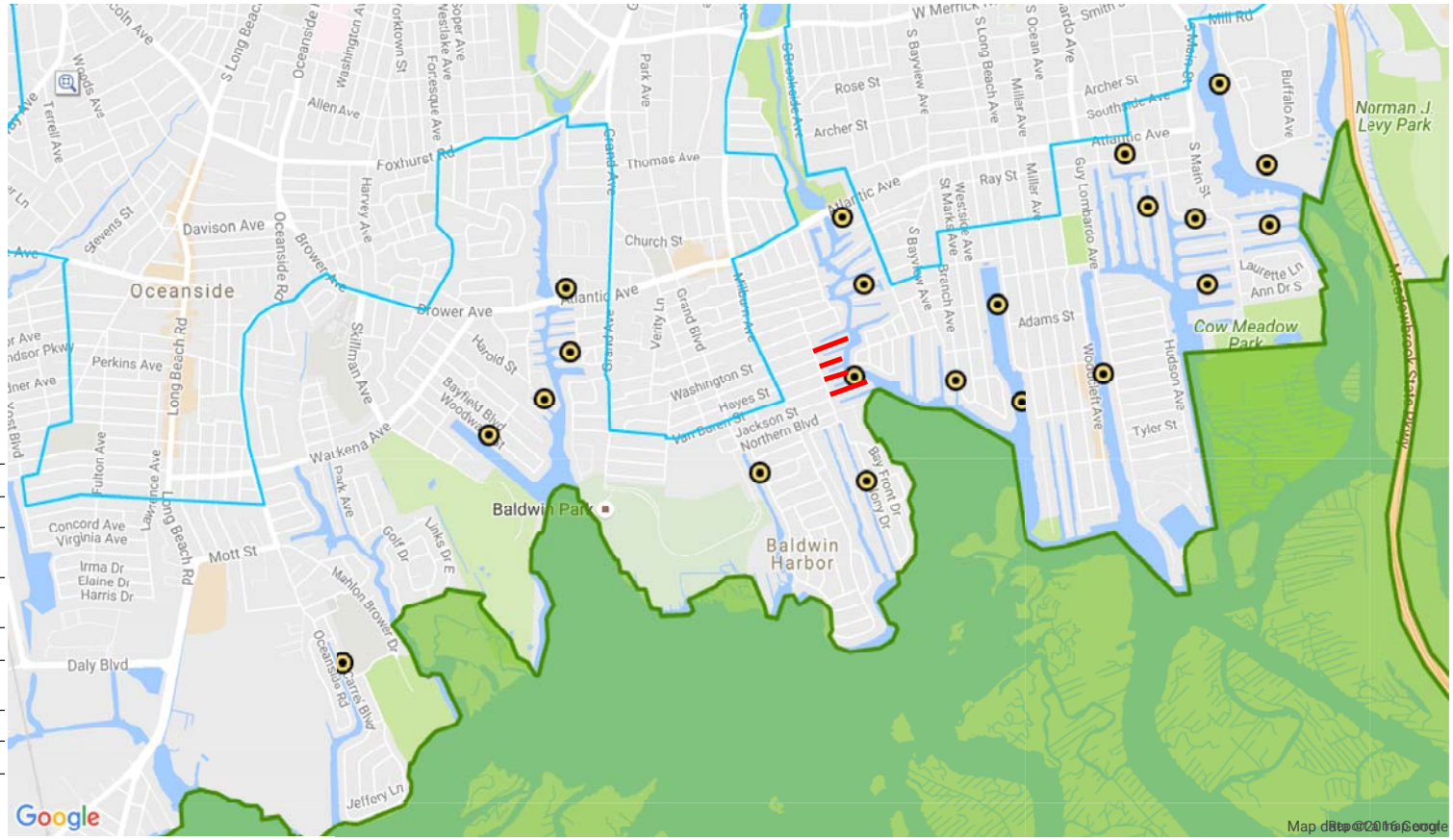
Baldwin, NY

Find Address

Please note that the address marker is automatically placed along the street while certain activities may take place along the waterward property boundary. Please make sure to click and drag the marker to the exact location of the proposed activity for an accurate assessment of whether or not the activity would be located within any DOS Special Management Areas.

Layers

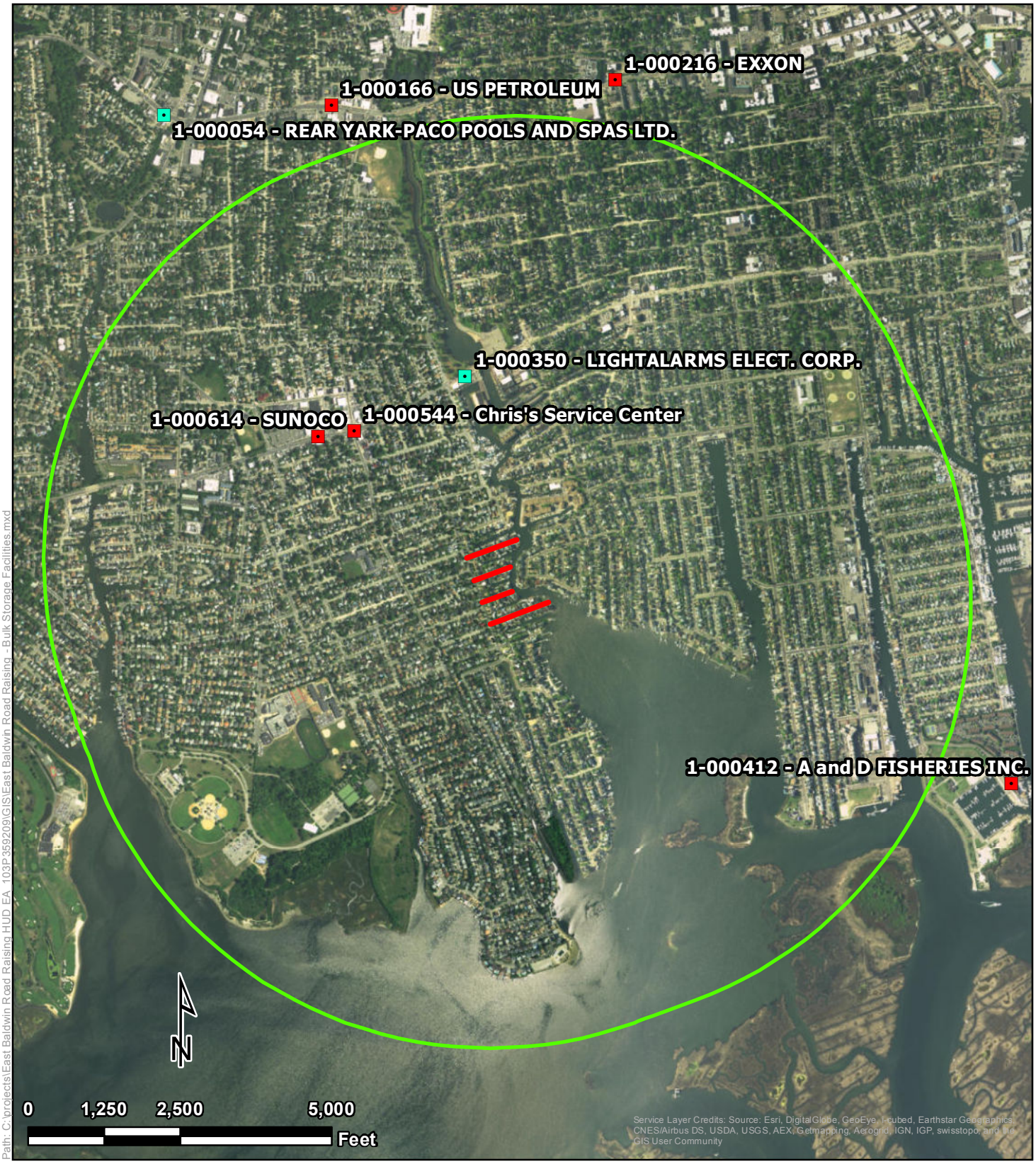
- [x] Landward Coastal Boundary
- [ ] Scenic Areas
- [x] Local Waterfront Revitalization Areas
- [x] Local Waterfront Revitalization Program Communities
- [x] Significant Coastal Fish and Wildlife Habitats
- [x] DOS Identified Canals
- [x] Long Island Sound CMP (excludes LWRP communities)
- [ ] Federally Owned Lands
- [ ] Native American Lands



Latitude: 42.803 Longitude: -75.399

The New York State Department of State makes every effort to post accurate and reliable information on this website. The Department of State does not guarantee or warrant that the information on this web site is complete, accurate or current. The information on this website is intended solely for the purpose of electronically providing the public with general coastal consistency-related information and convenient access to data resources. The Department of State neither assumes responsibility for the use or application of any material posted on this website nor responsibility for any error, omission or other discrepancy between the electronic and printed versions of documents.

Project Location



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Legend

Bulk Storage Facilities

- Chemical Bulk Storage
- Major Oil Storage Facility
- Petroleum Bulk Storage
- Project Area

Bulk Storage Facilities

East Baldwin Road Raising
Baldwin, Nassau County, New York

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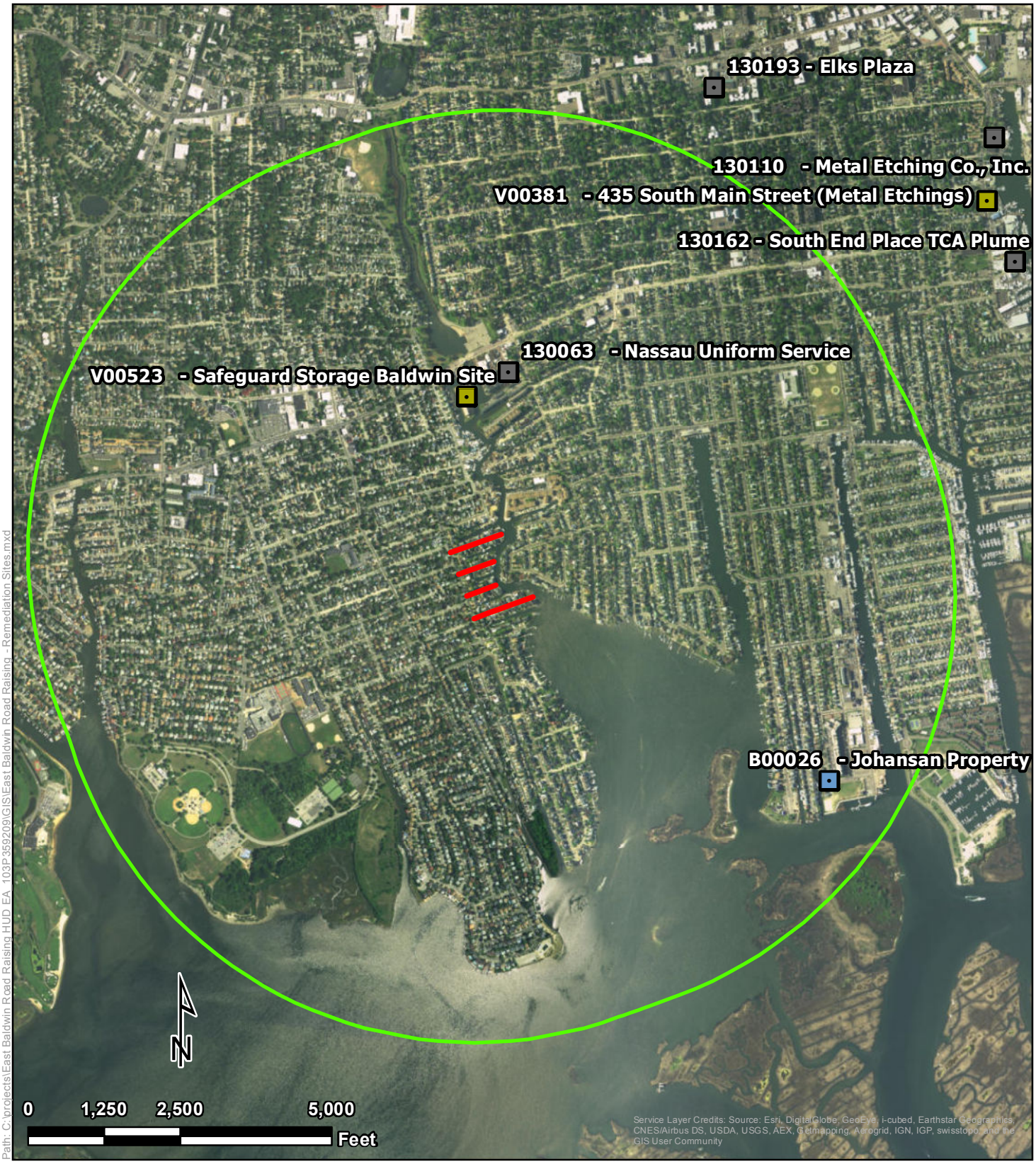

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Legend

Remediation Sites

- Environmental Restoration Program
- State Superfund Program
- Voluntary Cleanup Program
- Project Area

Remediation Sites

East Baldwin Road Raising
Baldwin, Nassau County, New York

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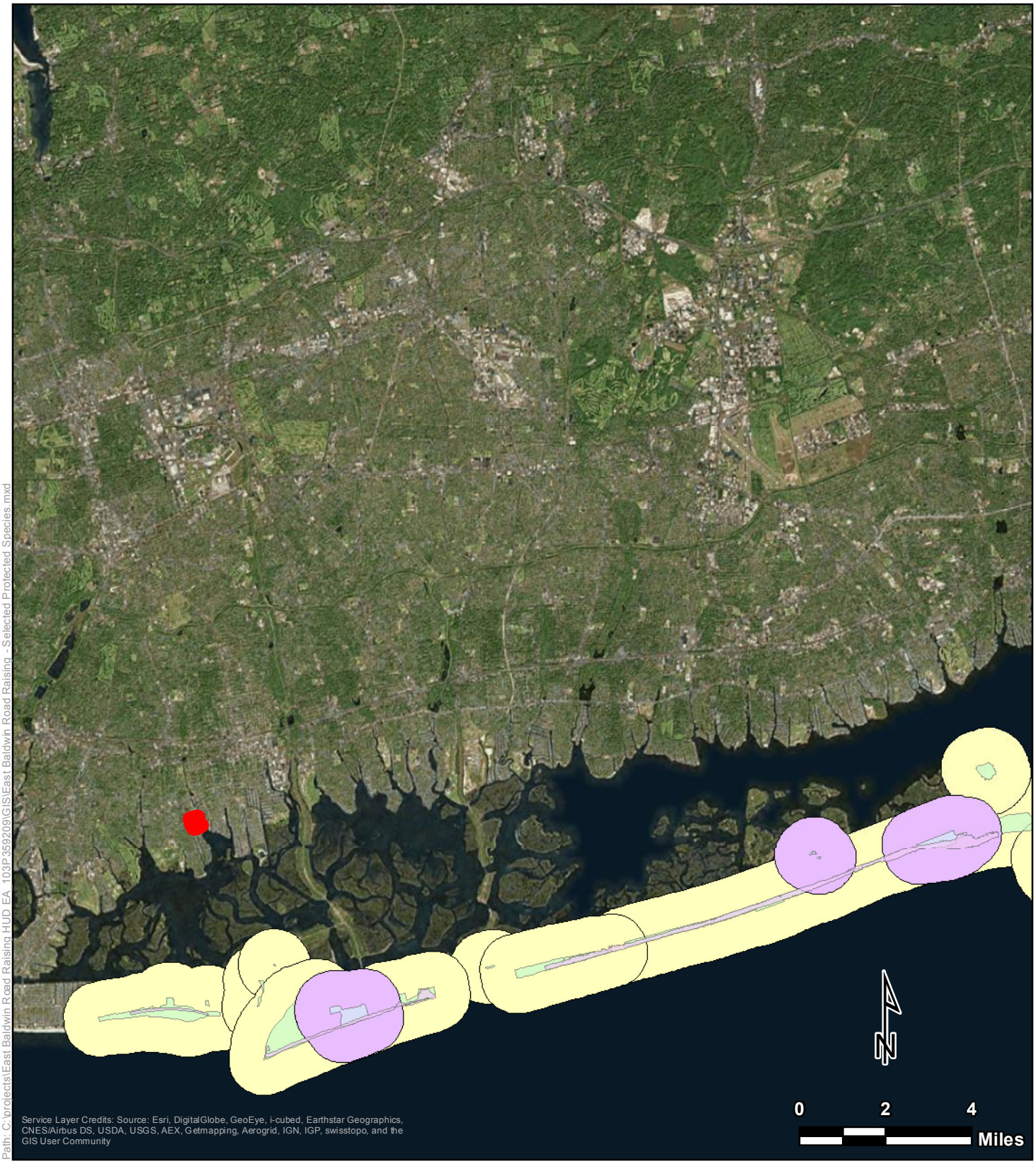

Legend

- Project Area
- Seabeach Amaranth
- Roseate Tern
- Roseate Tern 1000M Buffer
- Piping Plover
- Piping Plover Buffer

Selected Protected Species

East Baldwin Road Raising
Baldwin, Nassau County, New York

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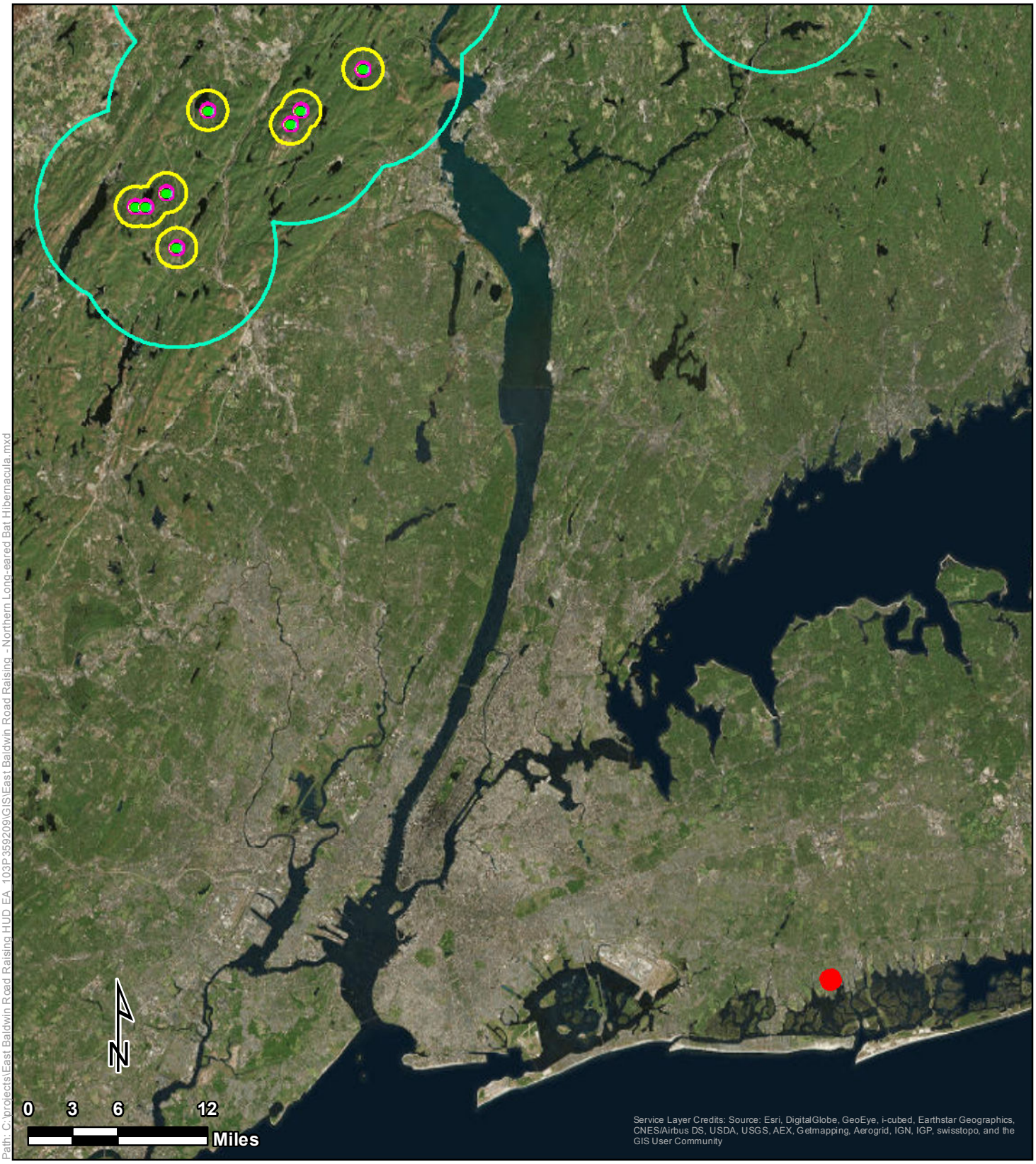

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Northern Long-eared Bat Hibernacula

East Baldwin Road Raising
Baldwin, Nassau County, New York

Legend

- Project Area
- NLEB Hibernacula
- NLEB Hibernacula 0.25 Mile Buffer
- NLEB Hibernacula 1 Mile Buffer
- NLEB Hibernacula 5 Mile Buffer

Tetra Tech, Inc

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Protected Soils

East Baldwin Road Raising
Baldwin, Nassau County, New York

Legend

- Project Area
- All areas are prime farmland
- Farmland of statewide importance
- Prime farmland if drained

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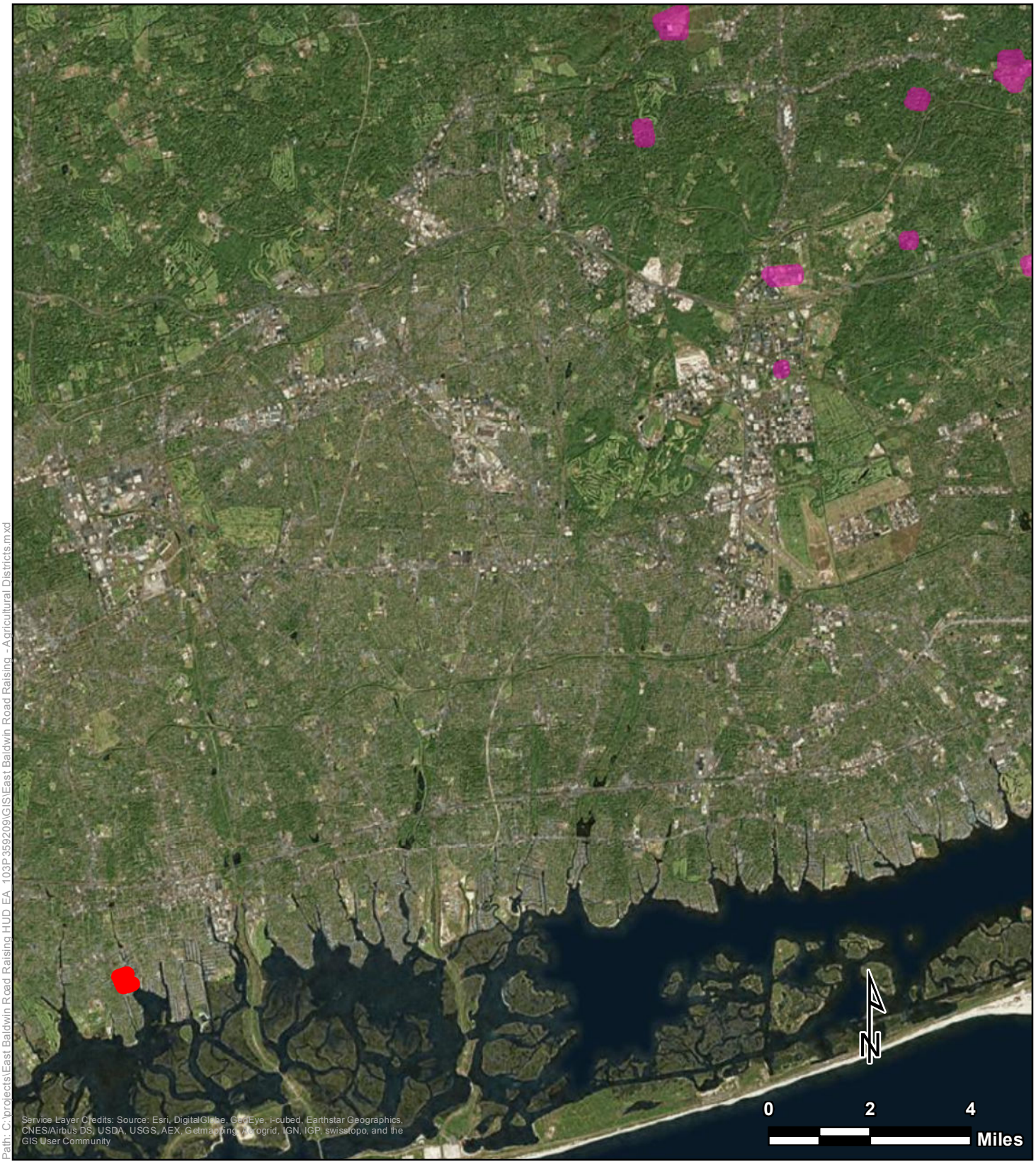

Agricultural Districts

East Baldwin Road Raising
Baldwin, Nassau County, New York

Legend

- Project Area
- NYS Agricultural Districts 500ft Buffer

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Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Sole Source Aquifers.mxd

Sole Source Aquifers

East Baldwin Road Raising
Baldwin, Nassau County, New York

Legend

- Project Area
- Nassau-Suffolk SSA

Tetra Tech, Inc

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Wetlands.mxd

Legend

- Project Area
- NYS Freshwater Wetlands
- NYS Freshwater Wetlands Buffer

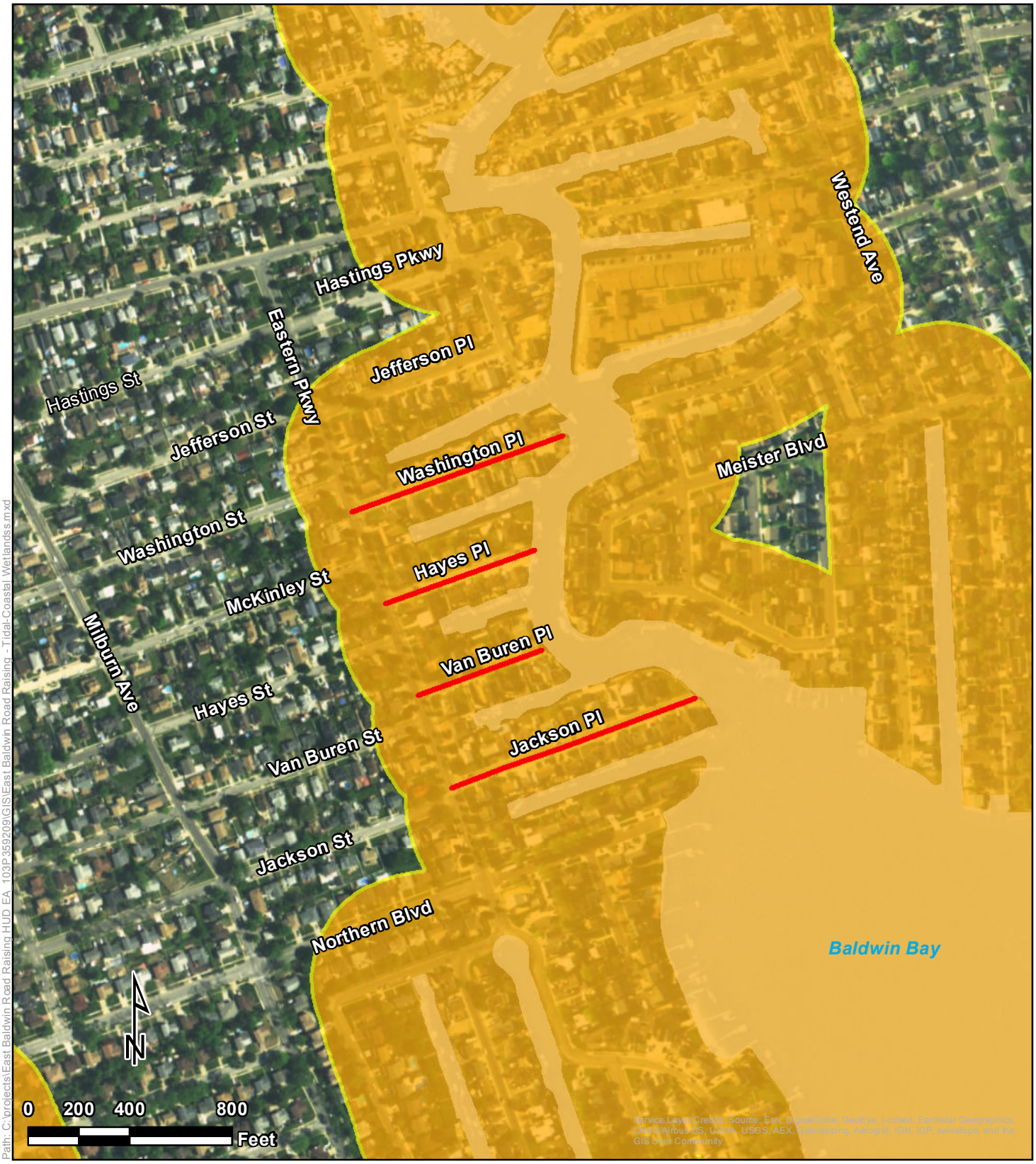
NWI Wetlands

- Estuarine and Marine Deepwater

Wetlands

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc



Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Tidal-Coastal Wetlands.mxd

Tidal-Coastal Wetlands

East Baldwin Road Raising
Baldwin, Nassau County, New York

Legend

- Project Area
- Tidal - Coastal Wetlands
- Tidal - Coastal Wetlands 300ft Buffer

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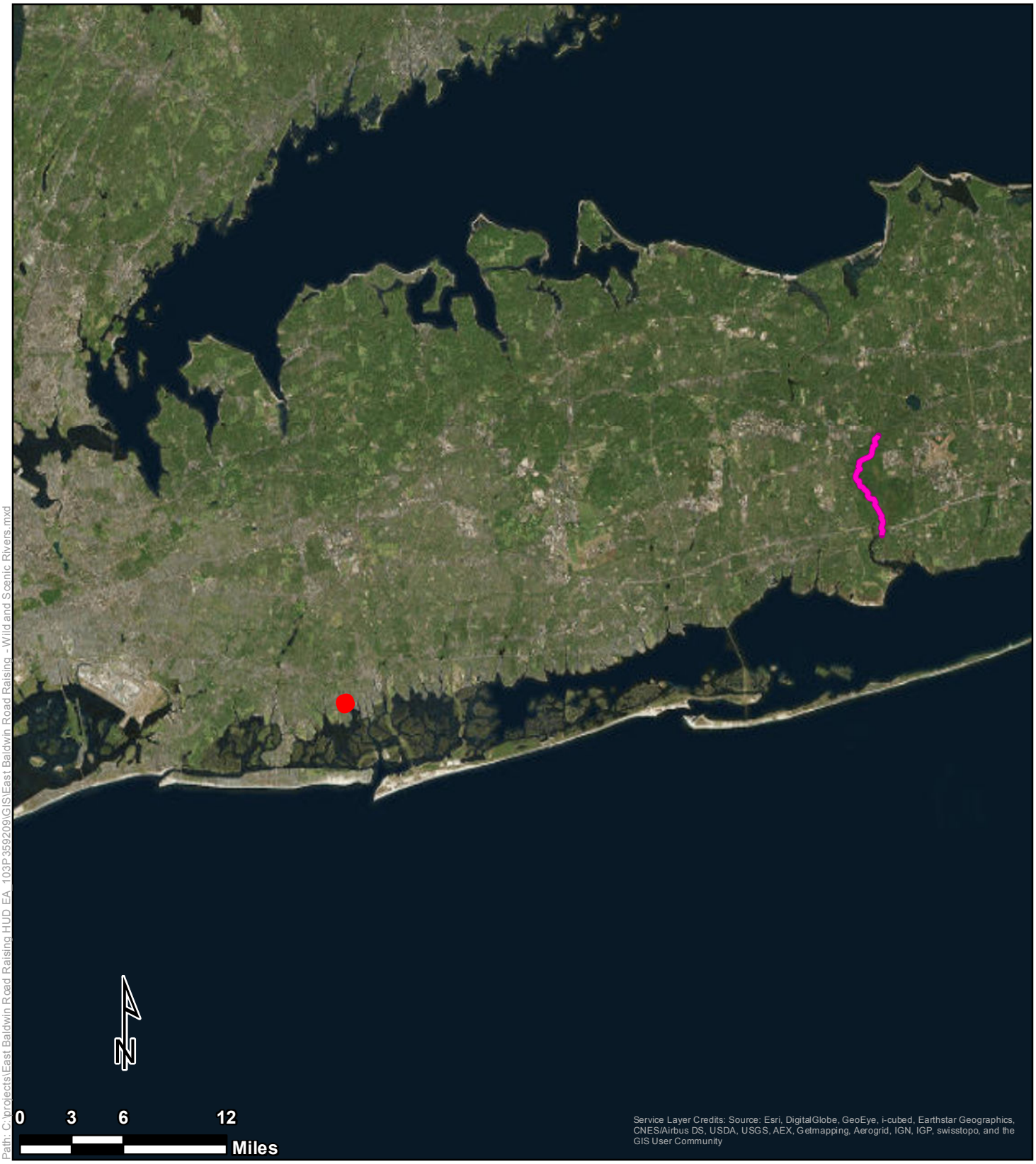

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Wild and Scenic Rivers

East Baldwin Road Raising
Baldwin, Nassau County, New York

Legend

- Project Area
- Wild and Scenic Rivers
- USDA Forest Service Wild and Scenic Rivers

Tetra Tech, Inc

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Environmental Justice Areas.mxd

Environmental Justice Areas

East Baldwin Road Raising
Baldwin, Nassau County, New York

Legend

- Project Area
- Environmental Justice Areas

Tetra Tech, Inc

APPENDIX B

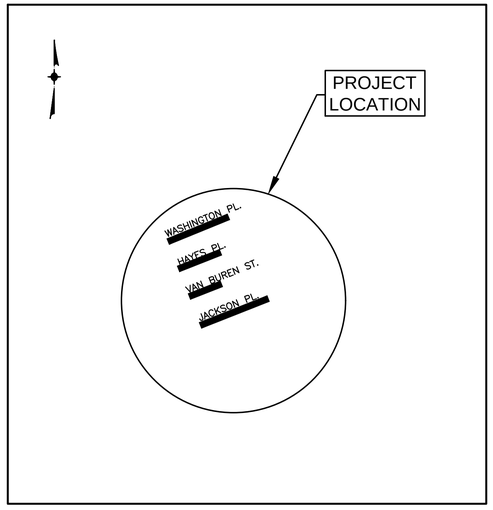
SITE PLANS

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING

NASSAU COUNTY **NEW YORK**

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

JUNE 2016



LOCATION MAP

N.T.S.

P.W. # _____

NASSAU COUNTY FILE NO. _____

NASSAU COUNTY APPROVALS

WILLIAM H. ROCKENSIES, P.E. DATE
Commissioner of Engineering

THOMAS TOSCANO DATE
Commissioner of Highways

D&B ENGINEERS AND ARCHITECTS, P.C.

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN ENGINEER'S FIELD OFFICE FOR THIS PROJECT. THE ENGINEER SHALL APPROVE THE LOCATION OF THE ENGINEER'S FIELD OFFICE.

2. ALL TRAFFIC SIGNAL EQUIPMENT WORK SHALL BE APPROVED BY THE NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS, DIVISION OF TRAFFIC ENGINEERING (TELEPHONE NUMBER 572–0465).

3. CONSTRUCTION SHALL BE RESTRICTED TO ONE SIDE OF ANY STREET OR INTERSECTION UNTIL THAT SIDE IS COMPLETED AND OPEN TO ALL TRAFFIC.

4. NO SIDEWALK SHALL BE REMOVED WITHIN ANY ONE BLOCK UNTIL COMPLETION OF NEW CURB CONSTRUCTION FOR THAT BLOCK. THE ENGINEER WILL THEN ESTABLISH REMOVAL LIMITS.

5. ALL DRIVEWAY APRONS ARE TO BE CONCRETE EXCEPT AS NOTED ON THE PLANS OR AS ORDERED BY THE ENGINEER.

6. RAMPS FOR THE HANDICAPPED OR DEPRESSED CURBS SHALL BE INSTALLED AT ALL ROADWAY INTERSECTION CORNER QUADRANTS, AT LOCATIONS OPPOSITE "T" INTERSECTIONS AND AS DIRECTED BY THE ENGINEER. RAMPS SHALL BE AS PER LATEST FEDERAL REQUIREMENTS.

7. ALL ELEVATIONS SHOWN ON THE PLANS REFER TO NAVD 88. ALL GRADES SHOWN ARE CURB GRADES, HOLD TOP OF CURB EVEN WITH CENTERLINE OF ROAD UNLESS OTHERWISE NOTED. IN CERTAIN CURB TRANSITION AREAS, THE NEW CURB MAY REQUIRE A REVEAL VARYING FROM THE STANDARD OF FIVE (5) INCHES IN ORDER TO MEET EXISTING CURBING, CATCH BASINS, ETC. SEE PLAN DRAWINGS FOR LOCATIONS AND NEW ELEVATIONS.

8. THE CONTRACTOR SHALL PROTECT ALL TREES ON THE PROJECT FROM DAMAGE CAUSED BY CONSTRUCTION OPERATIONS. ANY TREE DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. ALL TREE REPAIR AND REPLACEMENT WORK SHALL BE PROVIDED BY THE CONTRACTOR IN STRICT CONFORMANCE WITH HORTICULTURAL STANDARDS AND PRACTICES.

THERE IS NO GUARANTEE AS TO THE ACTUAL NUMBER OF TREES TO BE REMOVED UNDER THE APPLICABLE CONTRACT ITEMS. NO TREE SHALL BE REMOVED UNLESS DIRECTED BY THE ENGINEER ON THE PROJECT SITE. CURBS MAY BE INTERRUPTED TO SAVE TREES AS ORDERED BY THE ENGINEER.

COST FOR CUTTING, REMOVAL AND DISPOSAL OF TREE ROOTS FOR INSTALLATION OF CURBS AND PAVING TO BE INCLUDED IN PRICE BID FOR VARIOUS CONTRACT ITEMS.

ALL FALLEN TREE LEAVES AND DEBRIS WITHIN THE CONTRACT AREA SHALL BE REMOVED AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

9. ALL EXISTING CATCH BASIN APRONS WITHIN THE PROJECT LIMITS ARE TO BE DEMOLISHED AND REMOVED (ITEMS 4AX AND 2X) EXCEPT, AS NOTED. IF AN EXISTING CATCH BASIN APRON CANNOT BE REMOVED WITHOUT DAMAGE TO THE CATCH BASIN TOP SLAB, THEN IT SHALL REMAIN IN PLACE OR THE COMPLETE CATCH BASIN TOP SHALL BE REMOVED AND A NEW TOP SLAB POURED IN PLACE (ITEM 15X) AS DIRECTED BY THE ENGINEER.

10. BELGIAN BLOCK, STONE OR WOOD CURB, SLATE, BRICK, STONE OR CONCRETE BLOCK WALKS THAT ARE TO BE REPLACED BY WORK UNDER THIS CONTRACT SHALL BE CAREFULLY REMOVED, SALVAGED AND STORED, AT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

11. NOTIFY NASSAU COUNTY DIVISION OF SANITATION (571–7502) TWO (2) WORKING DAYS PRIOR TO ANY CONSTRUCTION WORK INVOLVING SANITARY SEWER FACILITIES. WORK INVOLVING SANITARY SEWER FACILITIES MUST BE DONE IN THE PRESENCE OF A NASSAU COUNTY SEWER INSPECTOR. SEWER FLOW MUST BE MAINTAINED DURING CONSTRUCTION, COST TO BE INCLUDED IN ALL ITEMS OF CONTRACT.

12. ALL EXISTING DRAINAGE APPURTENANCES TO BE SALVAGED AND STORED FOR THE TOWN OF HEMPSTEAD HIGHWAY DEPARTMENT FOR THEIR USE. DISPOSAL COSTS OF REJECTED APPURTENANCES TO BE INCLUDED IN VARIOUS ITEMS OF THE CONTRACT.

13. ALL CORNER RADII TO BE 10' UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

14. TWO (2) PROJECT SIGNS SHALL BE PLACED IN THE PROJECT AREA ACCORDING TO THE SPECIFICATIONS, COST TO BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SIGNS WITHIN THE PROJECT AREA FOR THE DURATION OF THE PROJECT. REGULATORY SIGNS MUST BE IN PLACE AT ALL TIMES. ALL STREET AND TRAFFIC CONTROL SIGNS PLACED IN CONCRETE SIDEWALK OR IMPERVIOUS SURFACES SHALL BE SET IN A 4" PVC SLEEVE, COST TO BE INCLUDED IN PRICE BID FOR VARIOUS CONCRETE ITEMS.

16. THE CONTRACTOR SHALL INSTITUTE SEDIMENT CONTROL METHODS TO PREVENT SEDIMENT, CEMENT, OR ANY OTHER MATERIALS OR CONSTRUCTION DEBRIS FROM ENTERING THE DRAINAGE SYSTEM OR ANY WATERWAYS DURING ALL PHASES OF CONSTRUCTION. THE SEDIMENT CONTROL DEVICES AND PROCEDURES TO BE EMPLOYED BY THE CONTRACTOR SHALL MEET ESTABLISHED STANDARDS. THE CONTRACTOR SHALL MAINTAIN POSITIVE SURFACE DRAINAGE FLOW AT ALL TIMES DURING CONSTRUCTION. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED UNDER THE VARIOUS CONTRACT ITEMS.

17. ALL EXISTING THROUGH CURB APPURTENANCES (E.G. ROOF DRAINS) SHALL BE MAINTAINED AND RESTORED BY THE CONTRACTOR, COST TO BE INCLUDED IN THE PRICE BID FOR ALL CURB AND INTEGRAL CURB AND GUTTER ITEMS.

18. UNDERGROUND STREET LIGHTING MAY EXIST IMMEDIATELY ADJACENT TO THE EXISTING CURB AT VARIOUS LOCATIONS THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL VERIFY LOCATIONS. THE CONTRACTOR SHALL INCLUDE THE COST OF PROTECTING, REMOVING, MODIFYING, RELOCATING, REPAIRING AND REPLACING ALL STREET LIGHTING AS REQUIRED IN ORDER TO PROVIDE THE NEW CURBING AND FLATWORK. COSTS TO BE INCLUDED IN PRICE BID FOR VARIOUS ITEMS.

19. THE CONTRACTOR SHALL LIMIT HIS HOURS OF OPERATION WITHIN THE PROJECT AREA TO REGULAR WORKING HOURS (8 HRS.) BETWEEN 8:30 A.M. TO 4:30 P.M. SEE GENERAL CONDITIONS FOR FURTHER RESTRICTIONS AND INSTRUCTIONS.

20. THE CONTRACTOR SHALL PROTECT ALL EXISTING DRAINAGE AND SANITARY STRUCTURES AND PIPES WHEN ADJUSTING INLETS, COVERS, OR FRAMES. NO SEPARATE PAYMENT SHALL BE MADE. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AT THE CONTRACTOR'S EXPENSE.

21. AT ALL APPROACHES TO THE CONSTRUCTION, THE CONTRACTOR SHALL ERECT, MAINTAIN, AND REMOVE CONSTRUCTION WARNING DEVICES, A.O.B.E. AND IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS CURRENTLY REVISED. COSTS TO BE INCLUDED IN ITEM (102).

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS SANITARY SEWER NOTES

1. THE CONTRACTOR SHALL NOTIFY THE DIVISION OF SANITATION & WATER SUPPLY A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO WORK INVOLVING ANY SANITARY SEWER FACILITIES. NOTIFICATION IS TO BE MADE BY CALLING (516)571–7502 OR 571–7505.

2. ALL WORK SHALL BE IN ACCORDANCE WITH NCDPW STANDARD SPECIFICATIONS AND DETAILS FOR THE CONSTRUCTION OF SANITARY SEWERS, LATEST EDITION 1993. ALL WORK MUST BE PERFORMED IN THE PRESENCE OF A NASSAU COUNTY INSPECTOR.

3. ALL SANITARY SEWER HOUSE CONNECTIONS AND LATERALS SHALL BE LOCATED PRIOR TO ANY EXCAVATION BY CONTRACTOR.

4. THE HORIZONTAL/VERTICAL SEPARATION OF SEWER AND DRAINAGE PIPE WATER MAINS/ SERVICES SHALL MEET OR EXCEED THE REQUIREMENTS OUTLINED IN THE RECOMMENDED STANDARDS FOR SEWAGE WORKS (TEN STATE STANDARDS), LATEST EDITION.

5. WHERE SANITARY OR HOUSE CONNECTION SEWERS CROSS OVER A DRAINAGE TRENCH AREA, THE SEWER SHALL BE REPLACED WITH DUCTILE IRON EXTENDING A MINIMUM OF FIVE (5) FEET EACH SIDE OF CROSSING TO UNDISTURBED SOIL. THE SAME REPLACEMENT SHALL APPLY FOR SEWERS UNDER A DRAINAGE TRENCH AREA WITHIN TWELVE (12) INCHES CLEARANCE, BOTTOM OF DRAIN TO TOP OF SEWER.

6. ALL PIPES, MANHOLES AND APPURTENANCES SHALL HAVE THE COUNTY APPROVAL STAMP THEREON OR WRITTEN CERTIFICATION ACCEPTABLE TO THE COUNTY BEFORE THE MATERIAL CAN BE INSTALLED.

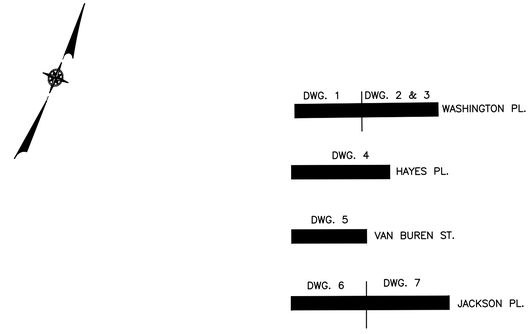
7. WHERE IT IS NECESSARY TO RAISE SANITARY SEWER MANHOLE CASTINGS TO GRADE FOR REPAVING, FIXED FRAME CASTINGS MUST BE RAISED EITHER BY ADJUSTING THE HEIGHT OF THE BRICK MASONRY OR USING AN APPROVED INSERT (METAL INSERTS ARE NOT PERMITTED). ADJUSTABLE FRAME TYPE MANHOLES MAY BE RAISED BY ADDING UP TO A MAXIMUM OF TWO (2), ONE (1) INCH ADJUSTMENT RINGS TO ACHIEVE FINAL GRADE.

8. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS FOR ENTRY INTO A CONFINED SPACE WHENEVER IT IS NECESSARY FOR A CONTRACTOR'S EMPLOYEE TO ENTER A NASSAU COUNTY SANITARY SEWER MANHOLE. THE MINIMUM REQUIREMENTS THE CONTRACTOR MUST COMPLY WITH ARE:

A. CONFINED SPACE ENTRY MONITOR TO TEST FOR TOXIC, EXPLOSIVE AND OXYGEN DEFICIENT ATMOSPHERE
B. CONTRACTOR ISSUED "ENTRY PERMIT"
C. CONFINED SPACE RESCUE AND RETRIEVAL EQUIPMENT

THE CONTRACTOR WILL NOT BE PERMITTED TO WORK IN A NASSAU COUNTY SANITARY SEWER MANHOLE UNLESS HE COMPLIES WITH ALL APPLICABLE OSHA REQUIREMENTS.

DRAWING INDEX DIAGRAM



LEGEND AND ABBREVIATIONS–EXISTING

	NAIL (PKS=PK Set)
	DRILL HOLE
	CROSS CUT
	SPOT ELEVATION
	CATCH BASIN (CB) (DROP INLET)
	UTILITY POLE
	LIGHT POLE
	TREE (UNSPECIFIED SIZE)
WV	WATER VALVE
WM	WATER METER
GV	GAS VALVE
D	DRAINAGE MANHOLE
S	SANITARY MANHOLE
T	TELEPHONE MANHOLE
	OTHER MANHOLE (UNKNOWN TYPE)
℄	CENTERLINE
	HYDRANT (HYD)
	SIGN
TS	TRAFFIC SIGNALS BOX
UB	UTILITY BOX
—X—	CHAIN LINK FENCE (C.L.F.)
—//—	WOOD FENCE
	DROP CURB (DC)
— G —	GAS MAIN
— W —	WATER MAIN
	VEGETATION LINE (HEDGES)
	GATE
TC	TOP OF CURB
BC	BOTTOM OF CURB
EP	EDGE OF PAVEMENT
FL	FLOW LINE
TW	TOP OF WALL
BW	BACK OF WALK (EDGE)
FW	FRONT OF WALK (EDGE)
TCB	TOP OF CATCH BASIN
BCB	BOTTOM OF CATCH BASIN
B.B.	BELGIAN BLOCK (CURB)
FFE	FIRST FLOOR ELEVATION
GFE	GARAGE FLOOR ELEVATION
LS	LANDSCAPING (PLANTINGS)
TIMB	TIMBER
BR	BRICK
CONC	CONCRETE
R.O.W.	RIGHT OF WAY
WD	WOOD
SPRK	SPRINKLER
—— G ——	GAS MAIN
—— W ——	WATER MAIN
—— S ——	SANITARY SEWER
——15"D——	STORM DRAIN
—— E ——	ELECTRIC
——FO——	FIBER OPTIC
——HC——	HC HOUSE CONNECTION
—— - - - ——	PROPERTY LINE

LEGEND–PROPOSED

	ITEM 28X CONCRETE DRIVEWAY AND APRON
	ITEM 27 CONCRETE SIDEWALK
	ITEM 28X CONCRETE HANDICAP RAMP
	ITEM 26SS COMBINED CONCRETE CURB AND GUTTER
	ITEM 26SS–FS CONCRETE COMBINATION CURB AND GUTTER W/2"X4" FORMED STEP
	ITEM 26 CONCRETE CURB
	ITEM 200SS–2 LAWN RESTORATION (TOPSOIL AND SOD)
	ITEM 29X MISCELLANEOUS DRIVEWAY RESTORATION
	ITEM 28SS–MD STONE OR BRICK DRIVEWAY AND DRIVEWAY APRON
	ITEM 36SS ASPHALT DRIVEWAY AND RESTORATION AREA
TYPE "A" PAVEMENT	**TYPE "A" PAVEMENT** ITEM 36E –1.5" ASPHALT CONCRETE TOP COURSE ITEM 36DX–M – 2" ASPHALT CONCRETE TOP COURSE ITEM 500SS AND 398 – MIXED IN PLACE RECYCLED SUB–BASE COURSE AND DENSE GRADED AGGREGATE BASE COURSE
E D S	**ITEM 16SS–1,2,3,4** ADJUST ELEVATION OF MANHOLE
	ITEM 13AXA CATCH BASIN TYPE A
	ITEM 13AX–1 CATCH BASIN TYPE 1
D	**ITEM 13BX3–4** 4' DIA. TYPE 3 MANHOLE
	ITEM 15X ALTERING CATCH BASIN
	ITEM 26SS–MSC RESTORE STONE CURB
BW 5.79	PROPOSED BACK OF WALK ELEVATION
TC 5.54	PROPOSED TOP OF CURB ELEVATION
BC 5.12	PROPOSED BOTTOM OF CURB ELEVATION

DRAWING INDEX

DWG. NO.	DWG. TITLE
	TITLE SHEET
G1	GENERAL NOTES, LEGEND AND ABBREVIATIONS
G2	BASELINE CONTROL POINT TIES
G3	STREET SIGNAGE PLAN
G4	EXISTING AND PROPOSED DRAINAGE PLAN
1	WASHINGTON PLACE - PLAN AND PROFILE - STA. 0+00 TO 3+50
2	WASHINGTON PLACE - PLAN - STA. 3+50 TO 7+00
3	WASHINGTON PLACE - PROFILE - STA. 3+50 TO 7+00
4	HAYES PLACE - PLAN AND PROFILE - STA. 1+00 TO 5+50
5	VAN BUREN PLACE - PLAN AND PROFILE - STA. 1+00 TO 4+75
6	JACKSON PLACE - PLAN AND PROFILE - STA. 1+00 TO 4+75
7	JACKSON PLACE - PLAN AND PROFILE - STA. 4+75 TO 8+50
8	DETAILS I MAINTENANCE AND PROTECTION OF TRAFFIC
9	SEDIMENT AND EROSION CONTROL DETAILS
10	DETAILS I
11	DETAILS II
12	DETAILS III
13	DETAILS IV

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: SP
DRAWN BY: JEZ/FF
DESIGNED BY: JC
CHECKED BY: WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

GENERAL NOTES, LEGENDS AND ABBREVIATIONS

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: AS NOTED
DRAWING NO. G1

Town of Hempstead
East Baldwin
Road Raising Improvements

Sign Inventory

Location	Station	Offset	Sign	Remark
Hayes Place				
1	0+25	20' North of CL	Hayes Place/Eastern Parkway	Utility Pole
2	0+37	20' South of CL	Dead End	
3	0+60	20' South of CL	Handicap Parking/Permit Required	
4	1+20	20' South of CL	Handicap Parking/Permit Required	
5	4+62	Center	Dead End	
Van Buren Place				
6	0+24	27' South of CL	Van Buren Place/Eastern Parkway	Utility Pole
7	0+27	21' South of CL	Dead End	
8	3+98	Center	Dead End	
Jackson Place				
9	0+35	19' North of CL	Stop Sign	Both Signs on same
10	0+35	19' North of CL	Jackson Place/Eastern Parkway	Post
11	0+24	31' South of CL	Stop Sign	
12	0+35	16' South of CL	Dead End	
13	7+76	Center	Dead End	
Washington Place				
14	0+25	21' South of CL	Washington Place/Eastern Parkway	Utility Pole
15	0+37	20' South of CL	Dead End/Children at play	
16	6+65		Dead End	

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: SP
DRAWN BY: JEZ/FF
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CHECKED BY: WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

GENERAL NOTES,
STREET SIGNAGE PLAN

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: 1" = 100'
DRAWING NO. G3

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
HAYES PLACE						
STA 0+24 / 28.0' L	1	MH (EX.)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.30		**Raise Ex. CB grate to 4.10**
STA 0+76 / 15.0' R	3	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.29		**Raise Ex. CB grate to 4.10**
STA 4+52 /15.0' L	4	CB (EX.)	GRATE (EX)	2.31		**Demolish Ex CB 4**
STA 4+52 /15.0' L	**4A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.15**		
STA 4+46 / 8.0' R	5	MH (EX.)	COVER / RIM	2.60		**Demolish Ex MH 5**
STA 4+46 / 7.0' R	**53**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.50**		
STA 4+47 / 15.0' R	6	CB (EX.)	GRATE (EX)	2.39		**Demolish Ex CB 6**
STA 4+52 / 15.0' R	**6A**	**Type A - CB**	**Type A Grate**	**4.15**		
STA 2+85 / 15.0' R	**50**	**Type A - CB**	**Type A Grate**	**4.10**		
STA 2+90 / 7.0' R	**51**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.55**		
STA 2+85 / 15.0' L	**52**	**Type A - CB**	**Type A Grate**	**4.10**		
VAN BUREN PLACE						
STA 0+29 / 9.0' R	8	MH (EX.)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX.)	INLET (EX)		3.50	**Alter CB / Raise Inlet to 4.13**
STA 0+80 / 15.0' R	10	CB (EX.)	GRATE (EX)	3.54		**Raise Ex. CB grate to 4.10**
STA 3+42 / 15.0' L	11	CB (EX.)	GRATE (EX)	2.68		**Demolish Ex CB 11**
STA 3+42 / 15.0' L	**11A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.12**		
STA 3+42 / 15.0' R	12	CB (EX.)	GRATE (EX)	2.78		**Demolish Ex CB 12**
STA 3+42 / 15.0' L	**12A**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+60 / 15.0' L	**84**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+67 / 6.0' R	**85**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
STA 2+60 / 15.0' R	**86**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 3+37 / 6.0' R	**87**	**Type A - MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
JACKSON PLACE						
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX.)	INLET (EX)		3.42	**Alter CB / Raise Inlet to 4.08**
STA 0+84 / 15.0' R	16	CB (EX.)	GRATE (EX)	3.57		**Raise Ex. CB grate to 4.08**
STA 4+37 / 15.0' L	17	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		**Demolish Ex MH 18**
STA 4+35 / 5.0' R	**18A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+36 / 15.0' R	19	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 7+44 / 15.0' L	21	CB (EX.)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	**21A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	**22A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.45**		
STA 7+45 / 15.0' R	23	CB (EX.)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	**23A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 5+90 / 15.0' R	**54**	**Type A CB**	**Type A Grate**	**4.00**		
STA 5+98 / 5.0' R	**55**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 5+90 / 15.0' L	**56**	**Type A - CB**	**Type A Grate**	**4.00**		
WASHINGTON PLACE						
STA 0+20 / 33.0' R	64	CB (EX.)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX.)	INLET (EX)		4.17	**Lower Inlet to 4.05**
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX.)	GRATE (EX)	3.28		**Raise Ex. CB grate to 4.00**
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		**Raise Ex. CB grate to 4.45**
STA 2+66 / 14.0' R	71	CB (EX.)	GRATE (EX)	3.27		**Raise Ex. CB grate to 4.00**
STA 2+66 / 4.5' L	72	CB (EX.)	GRATE (EX)	3.09		**Raise Ex. CB grate to 4.00**
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		**Raise Ex. CB grate to 4.42**
STA 2+69 / 14.0' L	74	CB (EX.)	GRATE (EX)	3.14		**Raise Ex. CB grate to 4.00**
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		**Raise MH Rim to 4.60**
STA 6+26 / 5.0' R	76	CB (EX.)	GRATE (EX)	3.12		**Demolish Ex CB 76**
STA 6+26 / 14.0' L	**76A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		**Raise Ex. MH Rim to 4.45**
STA 6+24 / 4.5' R	78	CB (EX.)	GRATE (EX)	2.81		**Demolish Ex CB 78**
STA 6+22 / 14.0' R	**78A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		**Raise Ex. MH Rim to 4.60**
STA 4+25 / 14.0' L	**81**	**Type A - CB**	**Type A Grate**	**4.00**		
STA 4+25 / 5.0' R	**82**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+17 / 14.0' R	**83**	**Type A - CB**	**Type A Grate**	**4.00**		
DRIVEWAY AND YARD DRAINS						
HAYES PLACE						
RES # 3139 E. Pkwy	**DDH1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDH2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.10**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1125	**DDH3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.50**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1133	**DDH4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1130	**DDH5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH6**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH7**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VAN BUREN PLACE						
RES # 1111	**DDV1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDV2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES #1126	**DDV3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1104	**DDV6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.30**		**Inv. 1.2 (N/S) - 8" PVC**
JACKSON PLACE						
RES # 3199 E. Pkwy	**DDJ1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ3**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1131	**DDJ4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 19	**DDJ5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ9**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1132	**DDJ10**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1106	**DDJ11**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1094	**DDJ12**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
WASHINGTON PLACE						
RES # 1107	**DDW1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1115	**DDW2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDW3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1127	**DDW4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 9	**DDW5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 7	**DDW6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 5	**DDW7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 12	**DDW8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1134	**DDW9**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1124	**DDW10**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VACANT	**DDW11**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Pipe Length	Pipe Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX)	20'	18" Dia		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX)	50'	18" Dia		
MH 1				0.15	(EX)
CB 50				**0.70**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 51				**0.55**	
CB 52				**0.70**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 51				**0.55**	
MH 51				**0.50**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 53				**0.10**	
CB 6A				**0.60**	
TO	**Class 5 - RCP**	**9'**	**15" Dia.**		
MH 53				**0.40**	
MH 53				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 4A				**-0.10**	
CB 4A				**-0.10**	
TO	**HDPE PIPE**	**30'**	**18" Dia.**		
OUTFALL 7A				**-0.30**	**AT BULKHEAD**
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX)	48'	18" Dia		
MH 8				-0.61	(EX)
CB 84				**0.60**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 85				**0.40**	
CB 86				**0.60**	
TO	**HDPE PIPE**	**7'**	**15" Dia.**		
MH 85				**0.40**	
MH 85				**0.30**	
TO	**HDPE PIPE**	**72'**	**18" Dia.**		
MH 87				**0.10**	
CB 12A				**0.40**	
TO	**HDPE PIPE**	**6'**	**15" Dia.**		
MH 87				**0.20**	
MH 87				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 11A				**-0.15**	
CB 11A				**-0.20**	
TO	**HDPE PIPE**	**58'**	**18" Dia.**		
OUTFALL 13A				**-0.40**	**AT BULKHEAD**
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX)	54'	18" Dia		
MH 14				-1.23	(EX)
CB 88				**0.50**	
TO	**HDPE PIPE**	**21'**	**15" Dia.**		
MH 89				**0.45**	
CB 90				**0.60**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 89				**0.45**	
MH 89				**0.40**	
TO	**HDPE PIPE**	**102'**	**18" Dia.**		
MH 18				**0.10**	
CB 19				0.70	(EX)
TO	**HDPE PIPE**	**5'**	**15" Dia.**		
MH 18A				**0.50**	
CB 17				0.70	
TO	**HDPE PIPE**	**16'**	**15" Dia.**		
MH 18A				**0.50**	
MH 18A				**0.00**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 55				**-0.40**	
CB 54				**0.40**	
TO	**HDPE PIPE**	**10'**	**15" Dia.**		
MH 55				**0.20**	
CB 56				**0.40**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 55				**0.20**	
MH 55				**-0.45**	
TO	**HDPE PIPE**	**142'**	**18" Dia.**		
MH 22A				**-0.80**	
CB 23A				**0.40**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 22A				**0.20**	
CB 21A				**0.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 22A				**0.20**	
MH 22A				**-0.85**	
TO	**HDPE PIPE**	**42'**	**18" Dia.**		
OUTFALL 24A				**-1.00**	**AT BULKHEAD**
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX)	38'	18" Dia.		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX)	16'	18" Dia.		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX)	6'	18" Dia.		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX)	200'	30" Dia		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX)	15'	18" Dia.		
MH 73				0.05	
CB 74				-0.40	
TO	RCP (EX)	4'	18" Dia.		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX)	52'	30" Dia.		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX)	105'	30" Dia.		
MH 82				-2.75	
CB 81				**0.30**	
TO	**HDPE PIPE**	**18'**	**15" Dia.**		
MH 82				**0.10**	
CB 83				**0.30**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 82				**0.10**	
MH 82				-2.75	
TO	RCP (EX)	198'	30" Dia.		
MH 77				-3.80	(EX)
CB 76A				**-1.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 77				**-1.60**	
CB 78A				**-1.40**	
TO	**HDPE PIPE**	**6'**	**18" Dia.**		
MH 77				**-1.60**	
MH 77				-3.80	
TO	RCP (EX)	8'	30" Dia.		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX)	38'	30" Dia.		
OUTFALL 80				-3.35	**At bulkhead**

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER:	DRAWN BY:
SP	JEZ/FF
DESIGNED BY:	CHECKED BY:
JC	WDM

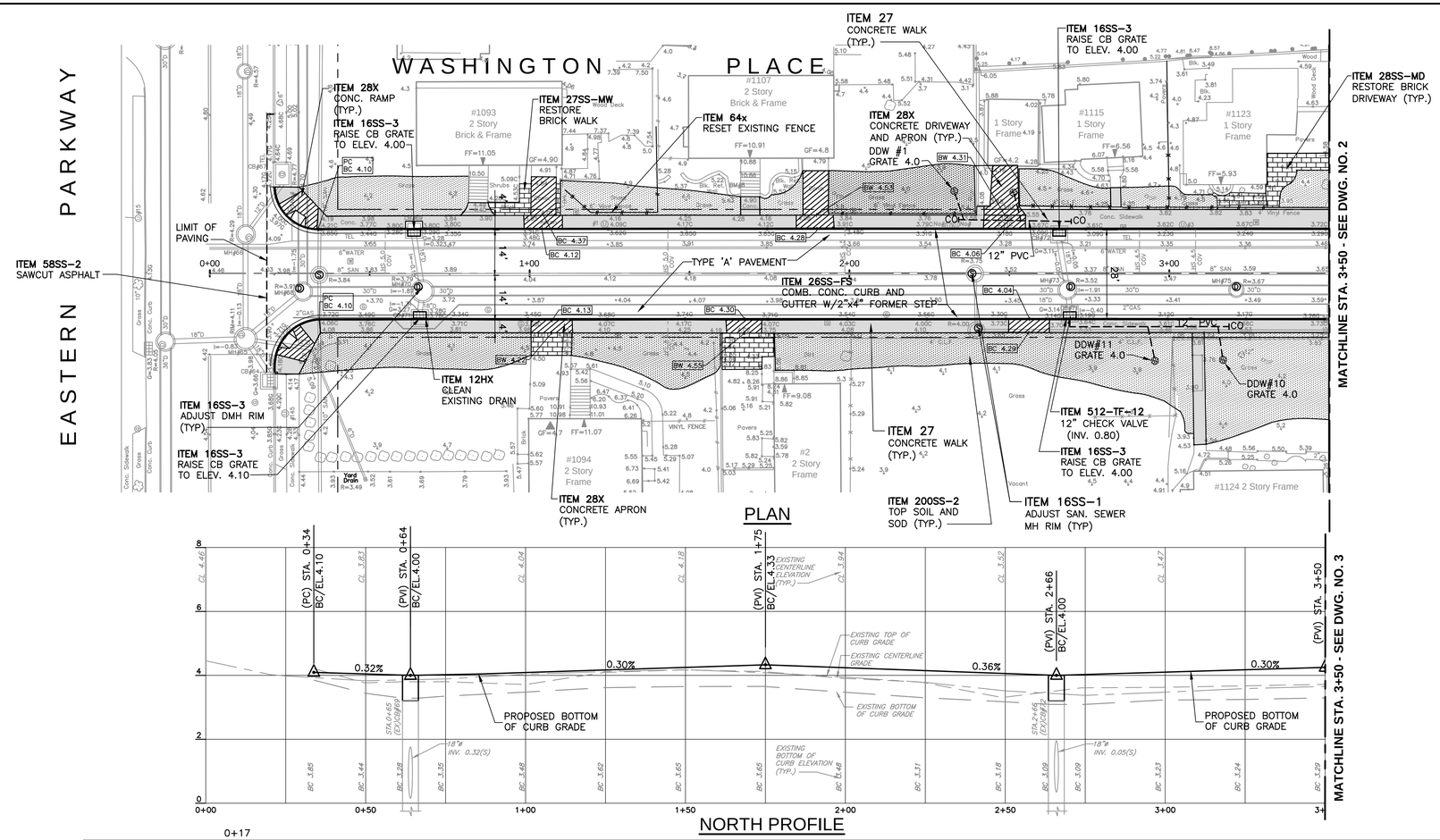
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO. **3760**
DATE: **JUNE 2016**
SCALE: **1"=100'**
DRAWING NO. **G4**

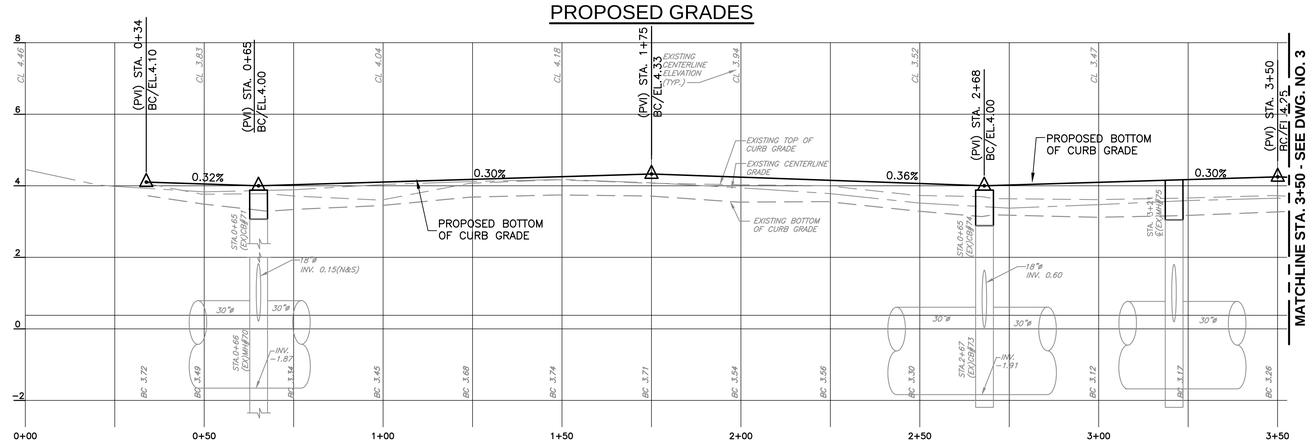


PLAN

NORTH PROFILE

		0+17																		
NORTHSIDE	TC		4.52	4.47	4.42	4.45	4.53	4.62	4.68	4.75	4.66	4.57	4.48	4.42	4.45	4.52	4.60	4.67	TC	NORTHSIDE
	BC		(PC)4.10	4.05	(CB)4.00	4.03	4.11	4.18	4.26	(PVI)4.33	4.24	4.15	4.06	(CB)4.00	4.03	4.10	4.18	(PVI)4.25	BC	
CENTERLINE	℄	(EX)℄ 4.03	℄4.25	℄4.47	℄4.42	℄4.45	℄4.53	℄4.62	℄4.68	℄4.75	℄4.66	℄4.57	℄4.48	℄4.42		℄4.52	℄4.60	℄4.67	℄	CENTERLINE
SOUTHSIDE	BC		(PC)4.10	4.05	(CB)4.00	4.03	4.11	4.18	4.26	(PVI)4.33	4.24	4.15	4.06	(CB)4.00	4.03	4.10	4.18	(PVI)4.25	BC	SOUTHSIDE
	TC		4.52	4.47	4.42	4.45	4.53	4.62	4.68	4.75	4.66	4.57	4.48	4.42	4.45	4.52	4.60	4.67	TC	
		0+00	0+34	0+50	0+65	0+75	1+00	1+25	1+50	1+75	2+00	2+25	2+50	2+68	2+75	3+00	3+25	3+50		

PROPOSED GRADES



SOUTH PROFILE

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: SP	DRAWN BY: JEZ/FF
DESIGNED BY: JC	CHECKED BY: WDM

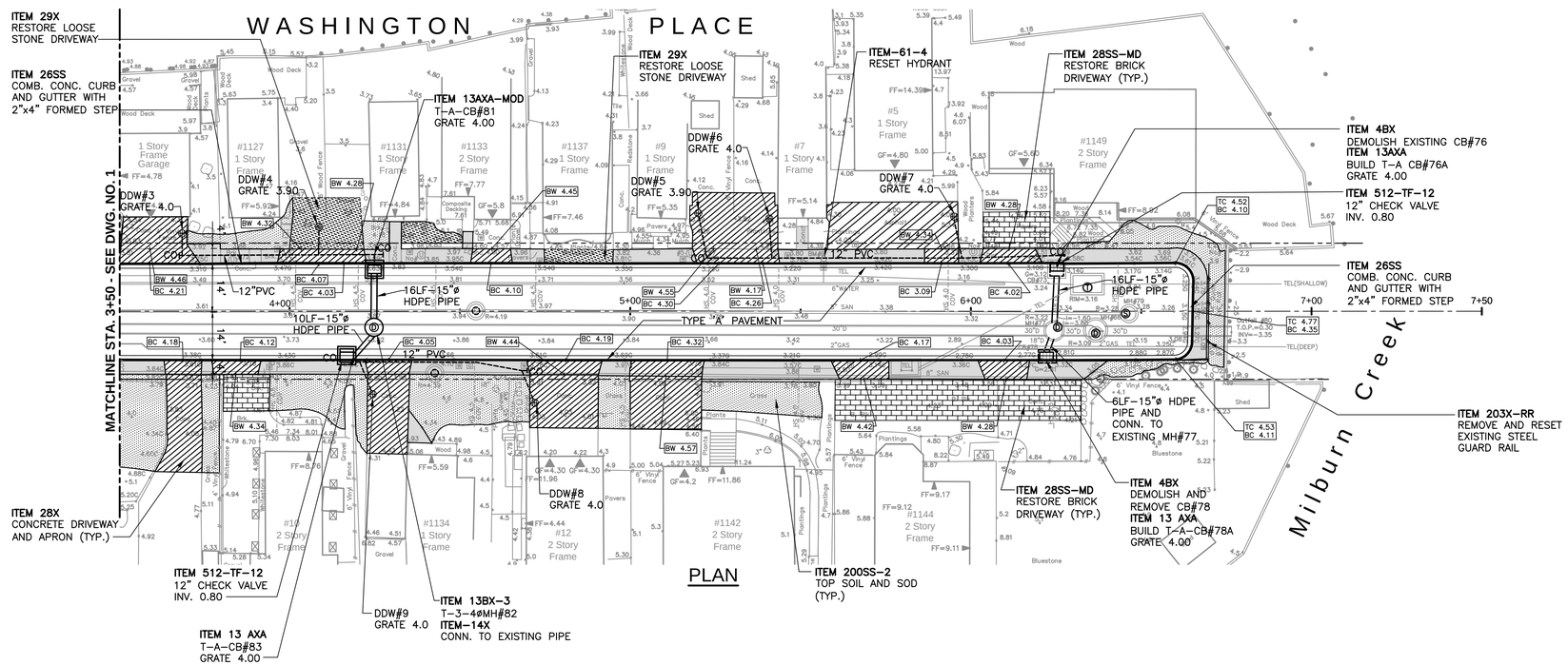
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

WASHINGTON PLACE
PLAN AND PROFILE STA. 0+00 TO 3+50

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: HORIZ: 1"=20' VERT: 1"=2'
DRAWING NO. 1



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DESIGNED BY: JC	CHECKED BY: WDM

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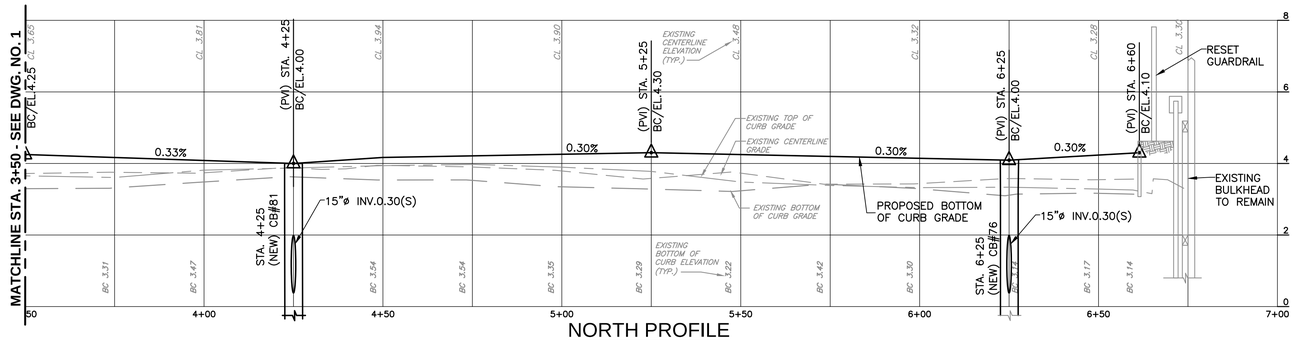
TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

WASHINGTON PLACE
STA. 3+50 TO 7+00

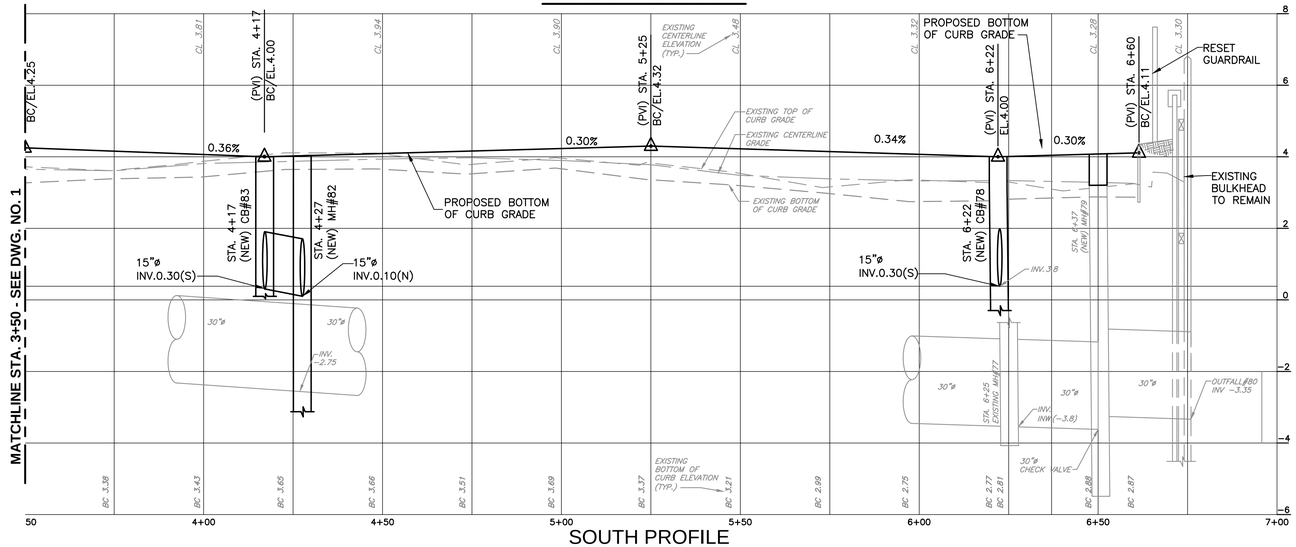
PROJECT NO. 3760
DATE: JUNE 2016
SCALE: HORIZ: 1"=20'
DRAWING NO. 2



NORTH PROFILE

NORTHSIDE	TC	4.67	4.59	4.51		4.42	4.49	4.57	4.64	4.72	4.64	4.57	4.49	4.42	4.50	4.52	TC	NORTHSIDE
	BC	(PVI)4.25	4.17	4.09		4.00	4.07	4.15	4.22	(PVI)4.30	4.22	4.15	4.07	(CB)4.00	4.08	4.10	BC	
CENTERLINE	℄	℄4.67	℄4.59	℄4.51		℄4.42	℄4.49	℄4.57	℄4.64	℄4.72	℄4.64	℄4.57	℄4.49	℄4.42	℄4.50	℄4.42	℄	CENTERLINE
SOUTHSIDE	BC	(PVI)4.25	4.17	4.07	(CB)4.00		4.10	4.17	4.24	(PVI)4.32	4.23	4.15	4.07	(CB)4.00	4.08	4.11	BC	SOUTHSIDE
	TC	4.67	4.59	4.49	4.42		4.52	4.59	4.66	4.66	4.65	4.57	4.49	4.42	4.50	4.53	TC	
		3+50	3+75	4+00	4+17	4+25	4+50	4+75	5+00	5+25	5+50	5+75	6+00	6+22	6+50	6+60		

PROPOSED GRADES



SOUTH PROFILE

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PROJECT ENGINEER:	DRAWN BY:
SP	JEZ/FF
DESIGNED BY:	CHECKED BY:
JC	WDM

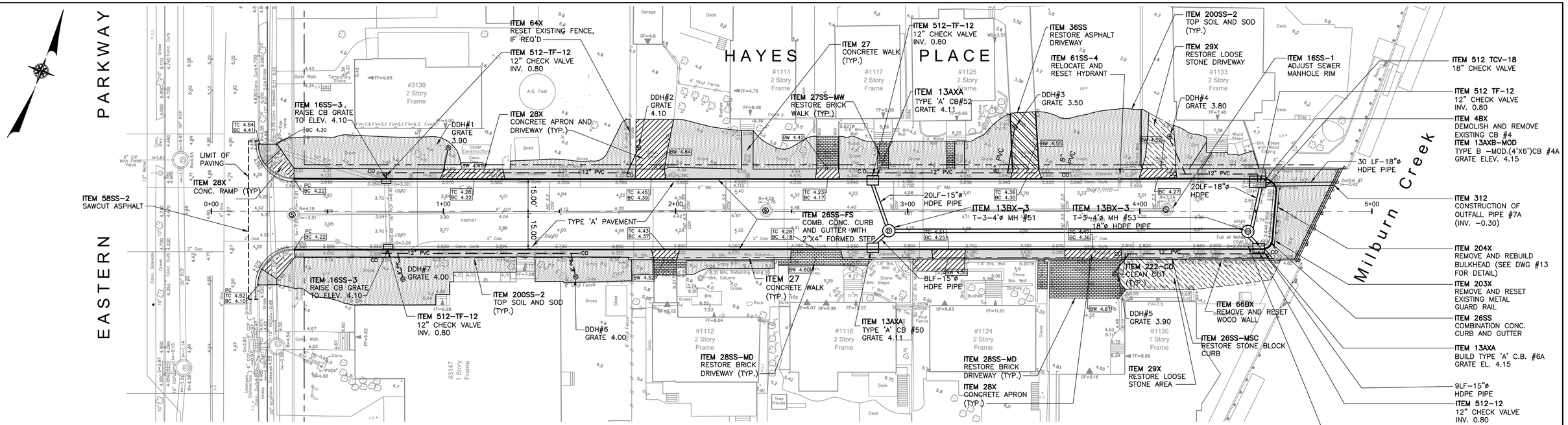
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

WASHINGTON PLACE
PROFILE STA. 3+50 TO 7+00

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: HORIZ: 1"=20' VERT: 1"=2'
DRAWING NO. 3



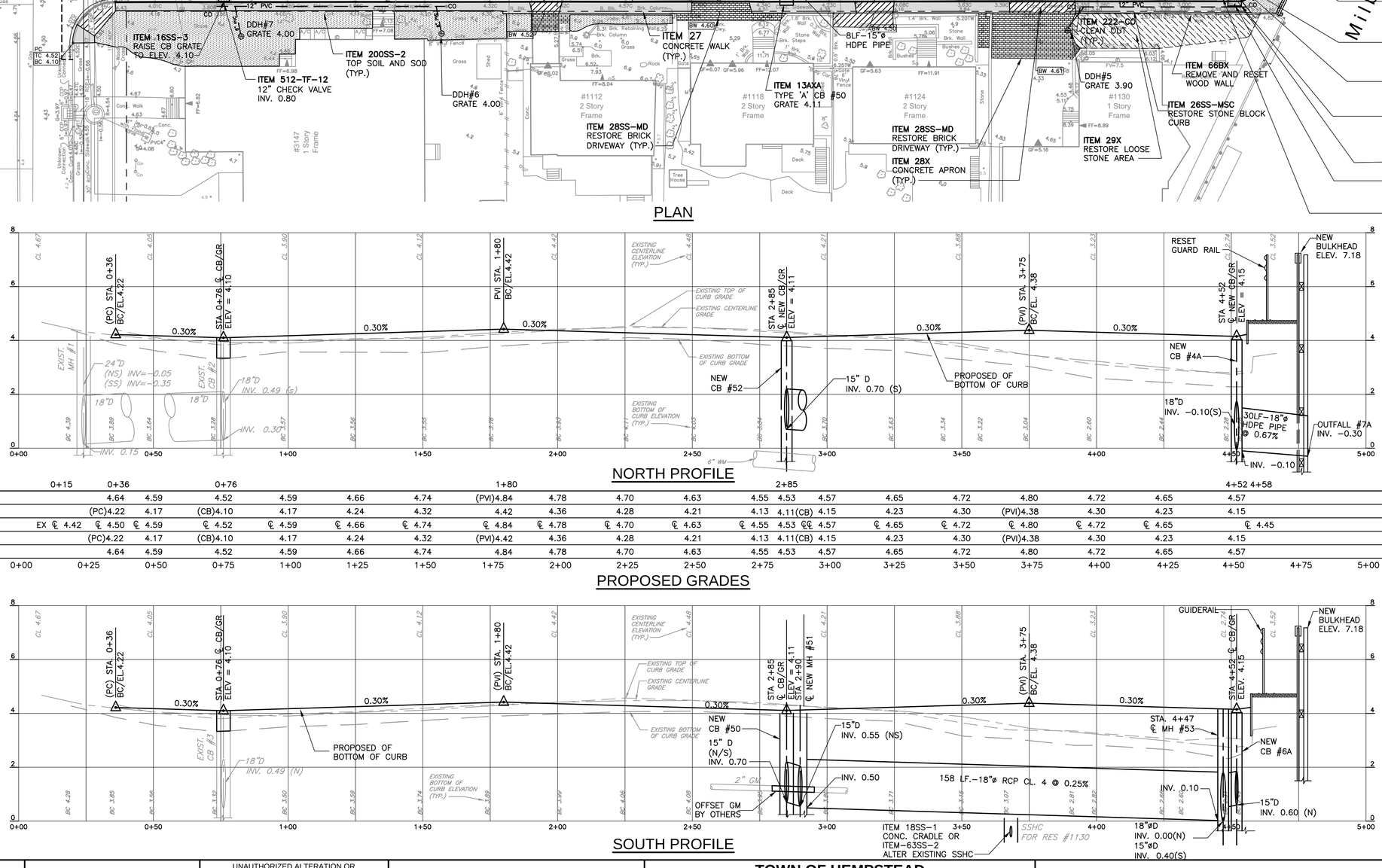
PLAN

NORTH PROFILE

			0+15	0+36	0+76				1+80			2+85						4+52 4+58					
0.00	NORTHSIDE	TC		4.64	4.59	4.52	4.59	4.66	4.74	(PVI)4.84	4.78	4.70	4.63	4.55	4.53	4.57	4.65	4.72	4.80	4.72	4.65	4.57	TC	NORTHSIDE
0.00		BC		(PC)4.22	4.17	(CB)4.10	4.17	4.24	4.32	4.42	4.36	4.28	4.21	4.13	4.11(CB)	4.15	4.23	4.30	(PVI)4.38	4.30	4.23	4.15	BC	
℄ 0.00	CENTERLINE	℄	EX ℄ 4.42	℄ 4.50	℄ 4.59	℄ 4.52	℄ 4.59	℄ 4.66	℄ 4.74	℄ 4.84	℄ 4.78	℄ 4.70	℄ 4.63	℄ 4.55	4.53 ℄℄	4.57	℄ 4.65	℄ 4.72	℄ 4.80	℄ 4.72	℄ 4.65	℄ 4.45	℄	CENTERLINE
0.00	SOUTHSIDE	BC		(PC)4.22	4.17	(CB)4.10	4.17	4.24	4.32	(PVI)4.42	4.36	4.28	4.21	4.13	4.11(CB)	4.15	4.23	4.30	(PVI)4.38	4.30	4.23	4.15	BC	SOUTHSIDE
0.00		TC		4.64	4.59	4.52	4.59	4.66	4.74	4.84	4.78	4.70	4.63	4.55	4.53	4.57	4.65	4.72	4.80	4.72	4.65	4.57	TC	

0+00 0+25 0+50 0+75 1+00 1+25 1+50 1+75 2+00 2+25 2+50 2+75 3+00 3+25 3+50 3+75 4+00 4+25 4+50 4+75 5+00

PROPOSED GRADES



SOUTH PROFILE

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER: SP	DRAWN BY: JEZ/FF
DESIGNED BY: JC	CHECKED BY: WDM

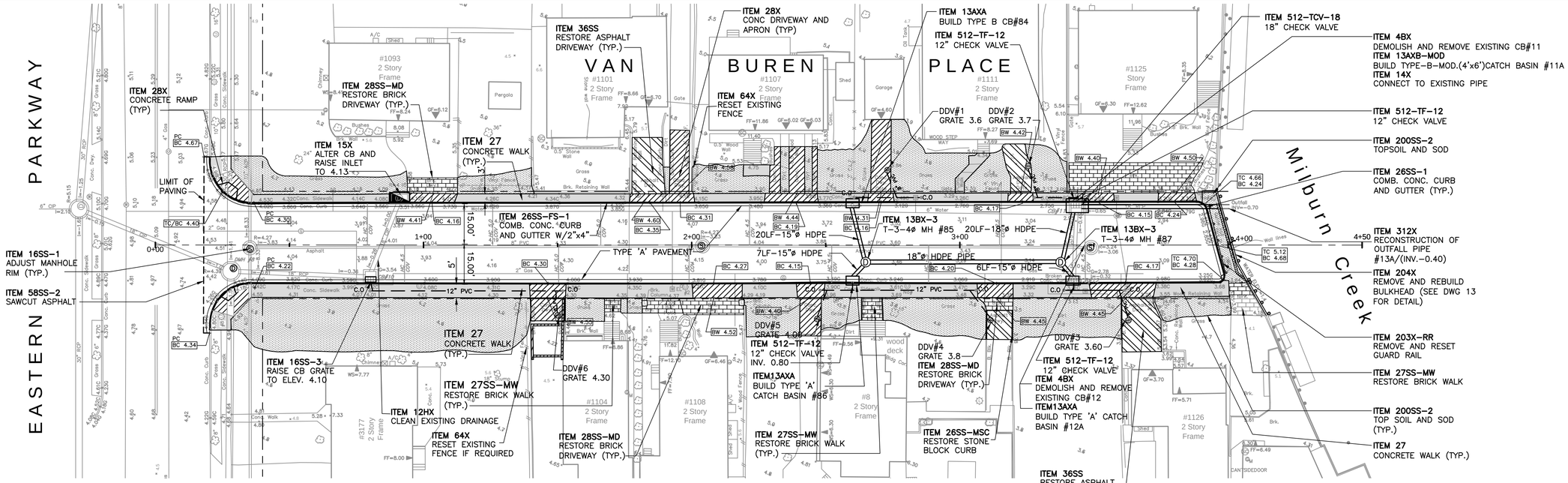
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

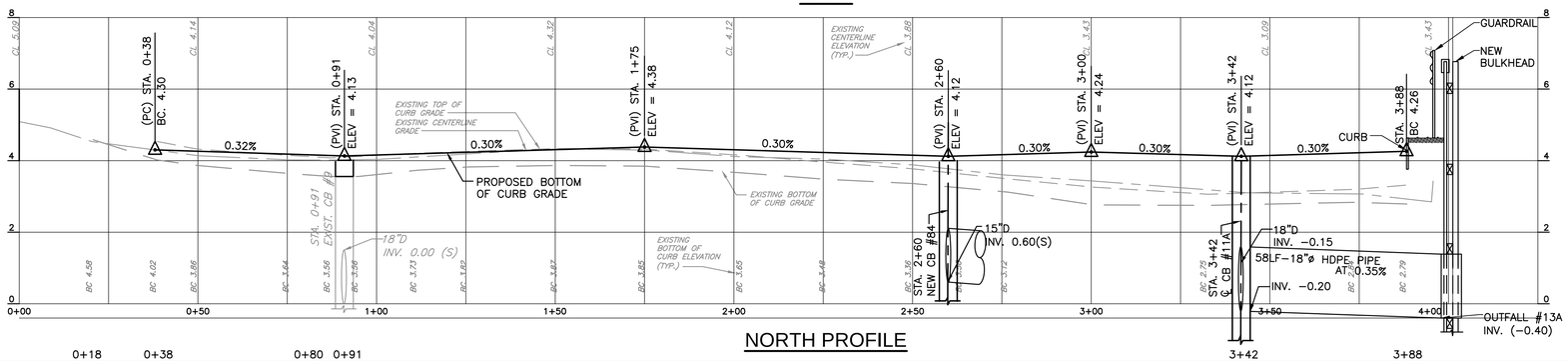
EAST BALDWIN
ROAD RAISING IMPROVEMENTS

HAYES PLACE
PLAN AND PROFILE STA. 0+00 TO 5+00

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: HORIZ: 1"=20' VERT: 1"=2'
DRAWING NO. 4



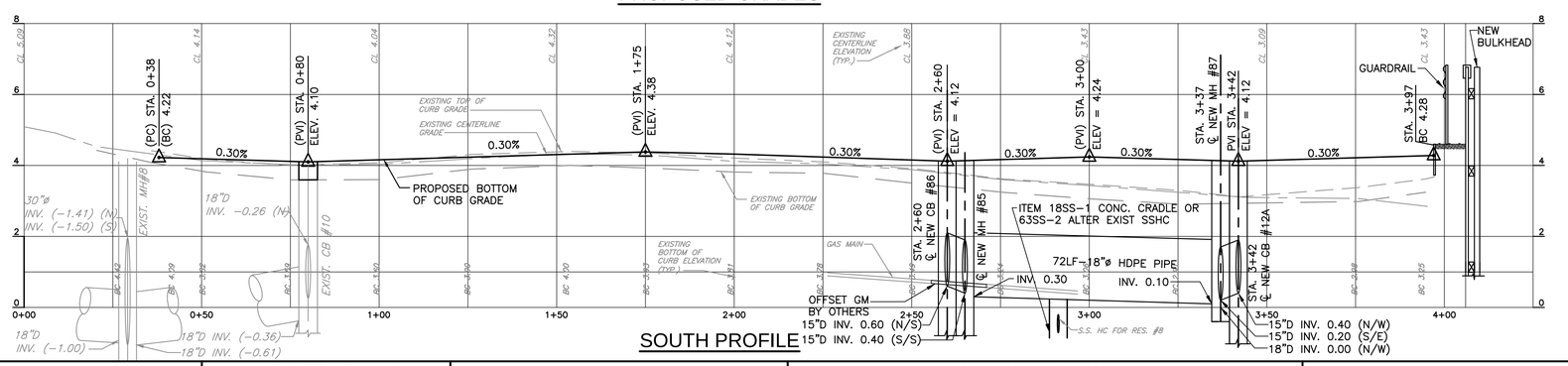
PLAN



NORTH PROFILE

		0+18		0+38			0+80	0+91																																							
NORTHSIDE	TC			4.72	4.68		4.60	4.55	4.58		4.65		4.73		4.82		4.72		4.65		4.57	4.54	4.59		4.66		4.59		4.54	4.56		4.63		4.68												TC	NORTHSIDE
	BC			(PC)4.30	4.26		4.18	(CB)4.13	4.16		4.23		4.31		(PVI) 4.38		4.30		4.23		4.15	4.12(CB)	4.17		(PVI) 4.24		4.17		(CB)4.12	4.14		4.21		4.26												BC	
CENTERLINE	℄		4.55	(EX)℄		4.65	℄		4.60	℄		4.58	℄	4.65	℄	4.73	℄	4.82	℄	4.72	℄	4.65	℄	4.57	℄	4.54	℄	4.59	℄	4.66	℄	4.59	℄	4.54	℄		4.63		℄	4.50							℄	CENTERLINE
SOUTHSIDE	BC			(PC)4.22	4.19		(CB)4.10		4.16		4.23		4.31		(PVI) 4.38		4.30		4.23		4.15	4.12(CB)	4.17		(PVI) 4.24		4.17		(CB)4.12	4.14		4.21		4.28												BC	SOUTHSIDE
	TC			4.64	4.61		4.52		4.58		4.65		4.73		4.82		4.72		4.65		4.57	4.54	4.59		4.66		4.59		4.54	4.56		4.63		4.70												TC	
		0+00	0+25	0+38	0+50	0+75			1+00	1+25		1+50		1+75		2+00		2+25		2+50	2+60		2+75		3+00		3+25		3+42	3+50		3+75		3+97		4+25										

PROPOSED GRADES



SOUTH PROFILE

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: SP	DRAWN BY: JEZ/FF
DESIGNED BY: JC	CHECKED BY: WDM

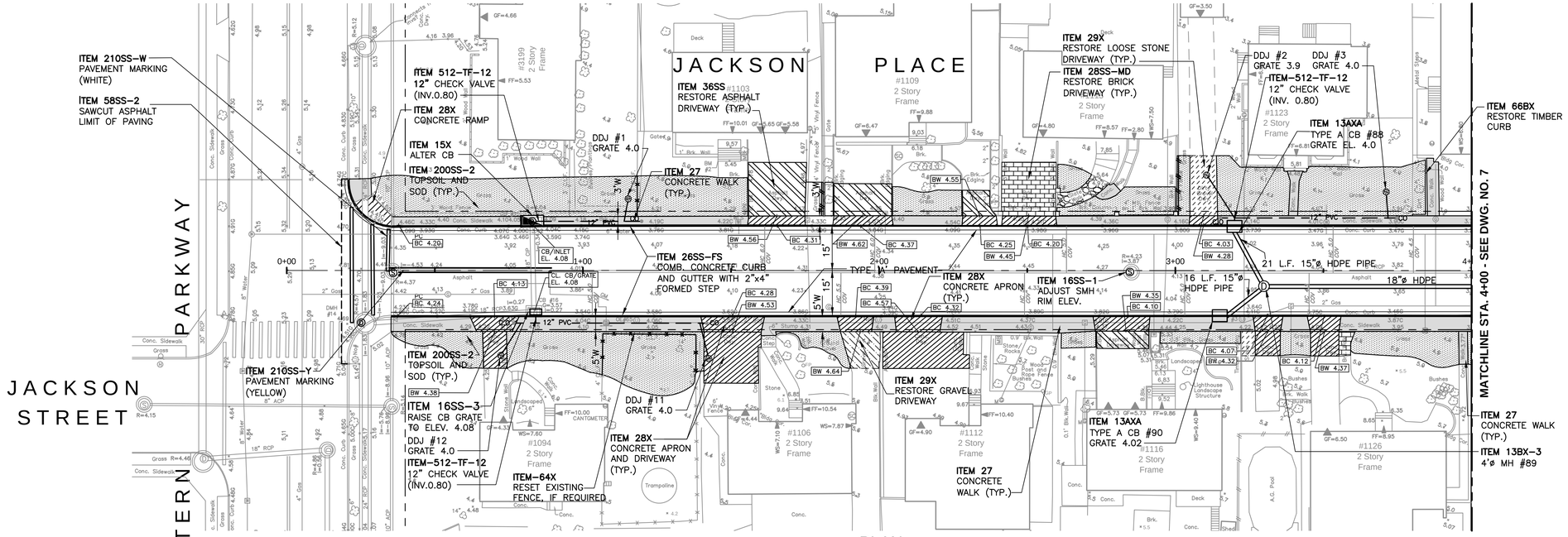
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

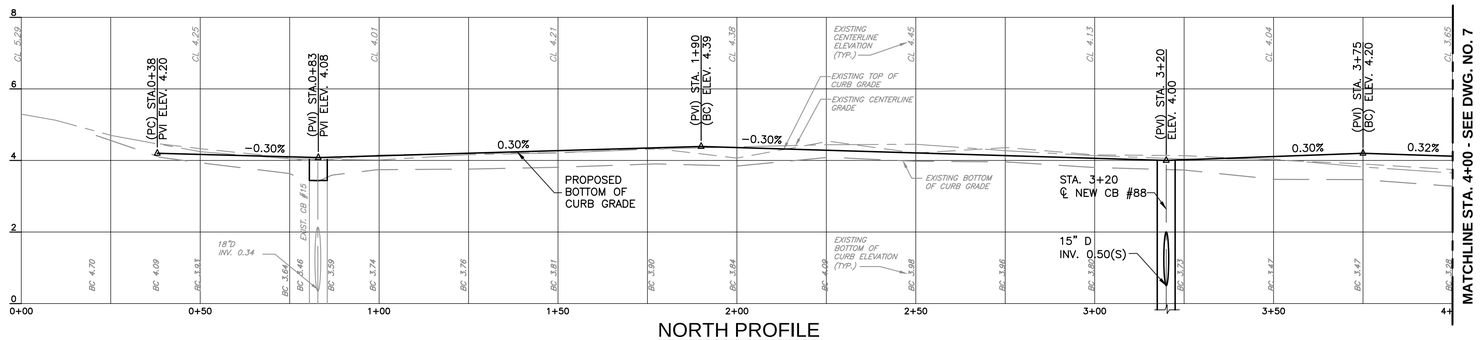
EAST BALDWIN
ROAD RAISING IMPROVEMENTS

VAN BUREN PLACE
PLAN AND PROFILE STA. 0+00 TO 4+50

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: HORIZ: 1"=20' VERT: 1"=2'
DRAWING NO. 5



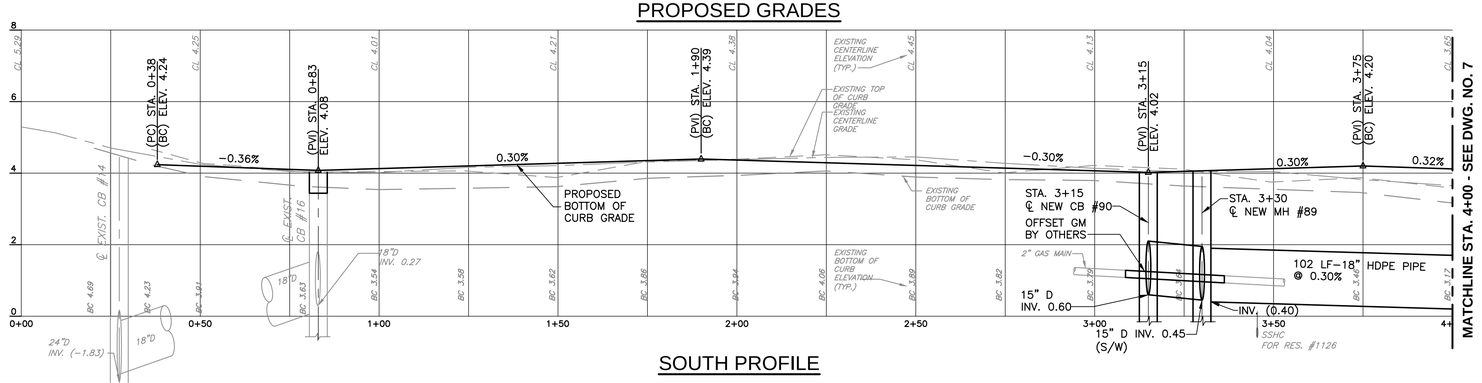
PLAN



NORTH PROFILE

						0+83												3+20							
NORTHSIDE	TC					4.60		4.52	4.50	4.54	4.61	4.69	4.76	4.81	4.78	4.70	4.63	4.55	4.48	4.42	4.44	4.52	4.62	4.54	TC
	BC			(PC)4.20	4.18	4.10	4.08	4.12	4.19	4.27	4.34	(PVI)4.39	4.36	4.28	4.21	4.13	4.06	(CB)4.04	4.02	4.10	(PVI)4.20	4.12	BC	NORTHSIDE
CENTERLINE	℄	4.70	℄	4.60	℄	℄4.52	4.50	℄ 4.54	℄ 4.61	℄ 4.69	℄ 4.76	℄ 4.81	℄ 4.78	℄ 4.70	℄ 4.63	℄ 4.55	℄ 4.48	℄	℄4.43	4.52	℄ 4.62	℄ 4.54	℄	℄	CENTERLINE
SOUTHSIDE	BC			(PC)4.24	4.20	4.11	4.10	4.12	4.19	4.27	4.34	(PVI)4.39	4.36	4.28	4.21	4.13	4.06	(CB)4.02	4.05	4.12	(PVI)4.20	4.10	BC	SOUTHSIDE
	TC			4.66	4.62	4.53	4.50	4.54	4.61	4.69	4.76	4.81	4.78	4.70	4.63	4.55	4.48	4.44	4.47	4.52	4.62	4.54	TC	
		0+00	0+25	0+38	0+50	0+75		1+00	1+25	1+50	1+75		2+00	2+25	2+50	2+75	3+00	3+15	3+25	3+50	3+75	4+00			

PROPOSED GRADES



SOUTH PROFILE

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: SP	DRAWN BY: JEZ/FF
DESIGNED BY: JC	CHECKED BY: WDM

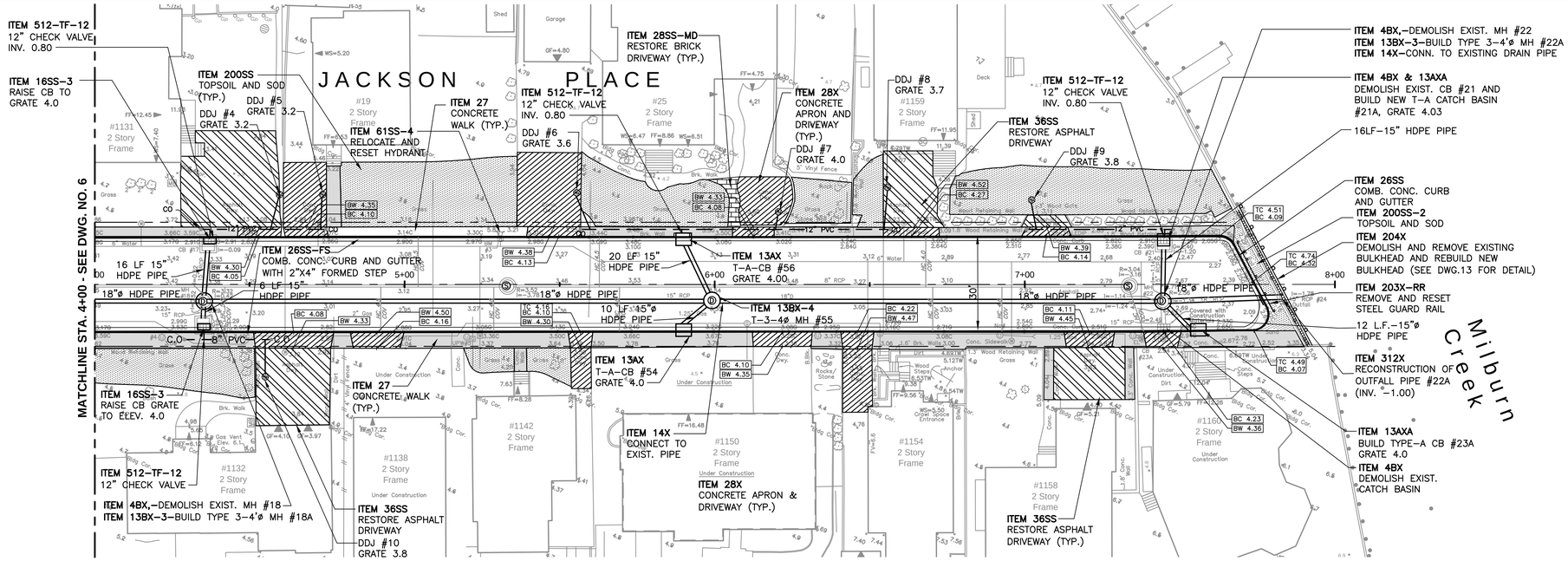
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

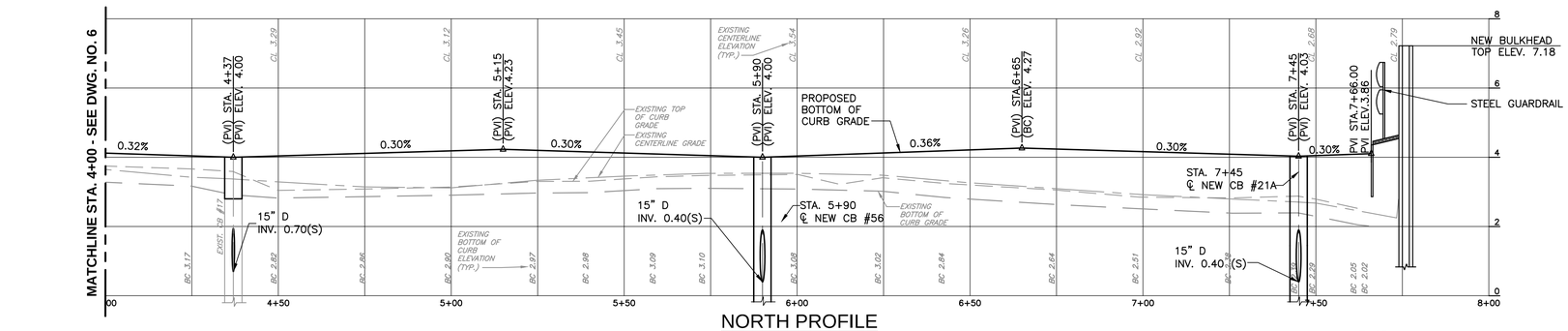
EAST BALDWIN ROAD RAISING IMPROVEMENTS

JACKSON PLACE
PLAN AND PROFILE STA. 0+00 TO 4+00

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: HORIZ: 1"=20' VERT: 1"=2'
DRAWING NO. 6



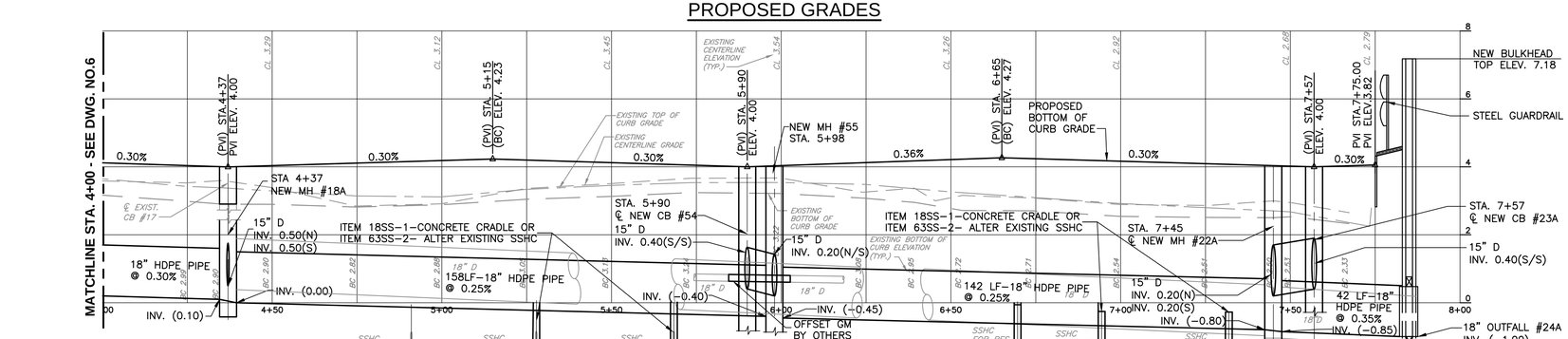
PLAN



NORTH PROFILE

NORTHSIDE	TC	4.54	4.46	4.42	4.46	4.53	4.61	4.65	4.62	4.55	4.47	4.42	4.46	4.54	4.64	4.69	4.66	4.58	4.51	4.45	7+65 4.51		TC	NORTHSIDE
	BC	4.12	4.04	4.00	4.04	4.11	4.19 (PVI)	4.23	4.20	4.13	4.05 (CB)	4.00	4.04	4.12	4.22	4.27	4.24	4.16	4.09	(CB)4.03	4.09		BC	
CENTERLINE	℄	4.54 ℄	4.46 ℄	4.42 ℄	4.46 ℄	4.53 ℄	4.61 ℄	4.65℄	4.62 ℄	4.55 ℄	4.47 ℄	4.42℄	4.46 ℄	4.54 ℄	4.64 ℄	4.69℄	4.66 ℄	4.58 ℄	4.51 ℄	4.45 ℄			℄	CENTERLINE
SOUTHSIDE	BC	4.10	4.04	4.00	4.04	4.11	4.19 (PVI)	4.23	4.20	4.13	4.05 (CB)	4.00	4.04	4.12	4.22	4.27	4.24	4.16	4.09	4.03	4.00(CB)	4.07	BC	SOUTHSIDE
	TC	4.54	4.46	4.42	4.46	4.53	4.61	4.65	4.62	4.53	4.47	4.42	4.46	4.54	4.64	4.69	4.66	4.58	4.51	4.45	4.42	4.49	TC	
		4+00	4+25	4+37	4+50	4+75	5+00	5+15	5+25	5+50	5+75	5+90	6+00	6+25	6+50	6+65	6+75	7+00	7+20	7+45	7+57	7+75		

PROPOSED GRADES



SOUTH PROFILE

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER:	DRAWN BY:
SP	JEZ/FF
DESIGNED BY:	CHECKED BY:
JC	WDM

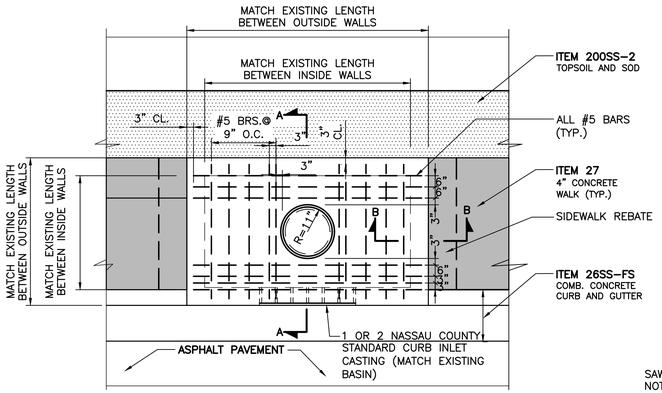
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

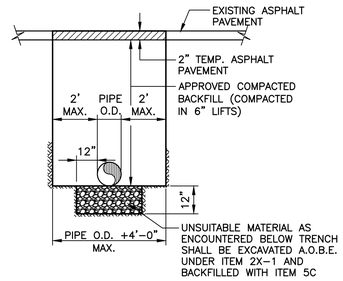
EAST BALDWIN
ROAD RAISING IMPROVEMENTS

JACKSON PLACE
PLAN AND PROFILE STA. 4+00 TO 8+00

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: HORIZ: 1"=20' VERT: 1"=2'
DRAWING NO. 7

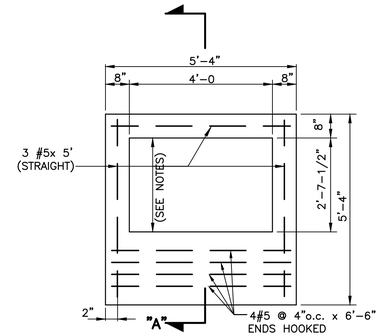


PLAN

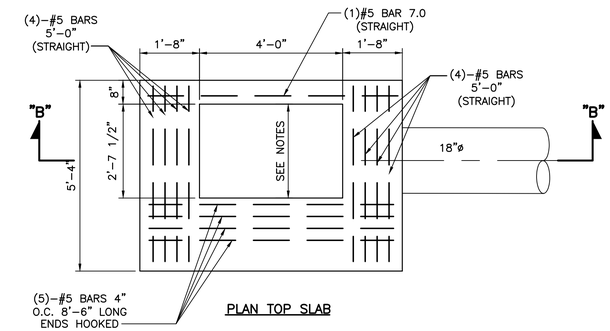


PIPE TRENCH DETAIL

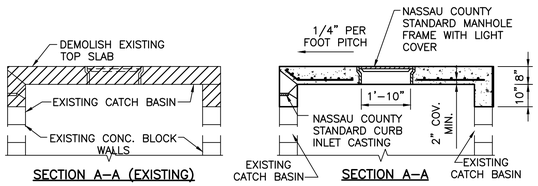
N.T.S.



PLAN TOP SLAB

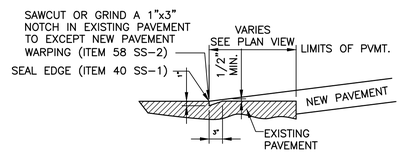


PLAN TOP SLAB



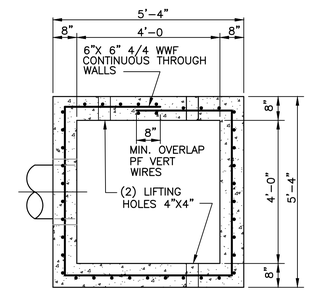
SECTION A-A (EXISTING)

SECTION A-A

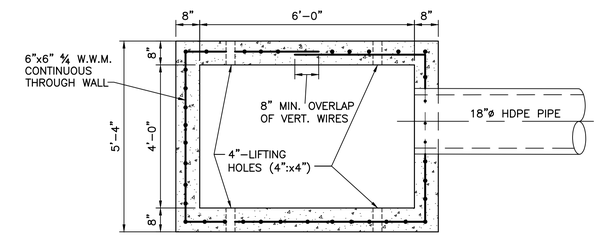


DETAIL OF WARPING NEW PAVEMENT TO MEET EXISTING PAVEMENT

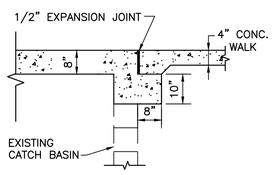
N.T.S.



SECTIONAL PLAN



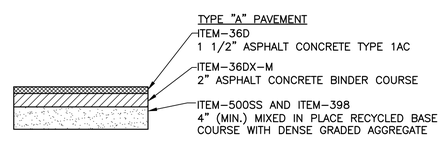
SECTIONAL PLAN



SECTION B-B

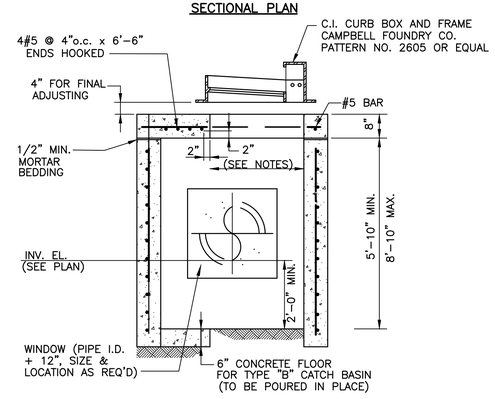
ALTER CATCH BASIN TOP SLAB DETAIL
ITEM 15X

N.T.S.



PAVEMENT TREATMENT

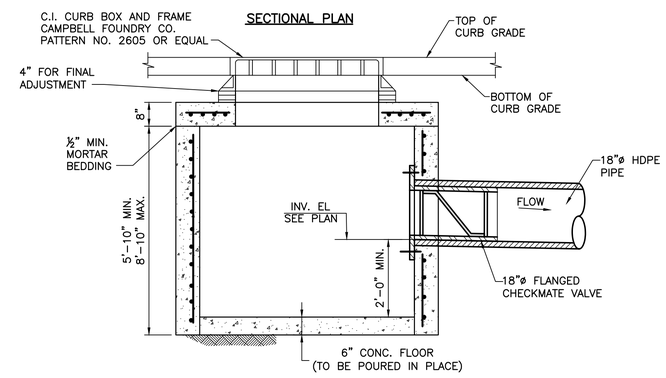
N.T.S.



SECTION "A-A"
ITEM-13AXA

CATCH BASIN-TYPE A

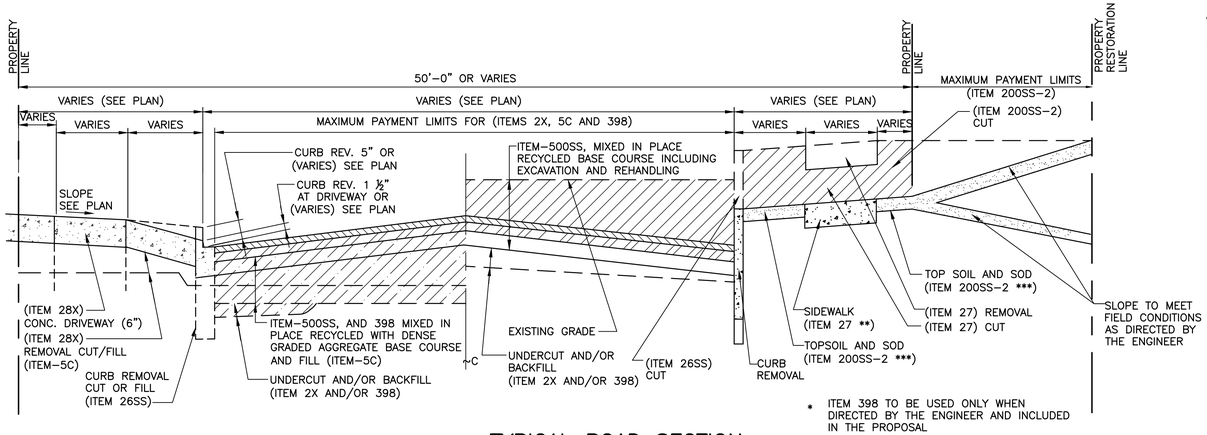
SCALE: 1/2"=1'-0"



SECTION "B-B"
(ITEM-13AXB MOD)

CATCH BASIN-TYPE B-MOD (4'x6')

SCALE: 1/2"=1'-0"



TYPICAL ROAD SECTION

N.T.S.

* ITEM 398 TO BE USED ONLY WHEN DIRECTED BY THE ENGINEER AND INCLUDED IN THE PROPOSAL

** SUBSTITUTE ITEM 28X FOR ITEM 27 WHEN APPROPRIATE

*** SUBSTITUTE ITEM 200SS-1 FOR ITEM 200SS-2 WHEN AUTHORIZED

NOTES

1. REBARS: FS = 40,000PSI A.S.T.M A-615
2. W.W.M:6" X 6" = 4/4 FS = 60,000 PSI A.S.T.M A-185 PROVIDE 1 ½ " COVER AT ENDS OF VERTICAL WIRE, 1" RADIUS BENS AT CORNERS.
3. CONCRETE: CLASS "A" AS PER NASSAU COUNTY SPECS.
4. WINDOW TO BE CAST IN STRUCTURE AS REQUIRED. KNOCK-OUT PANEL WILL NOT BE PERMITTED.

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER:	DRAWN BY:
SP	JEZ/FF
DESIGNED BY:	CHECKED BY:
JC	WDM

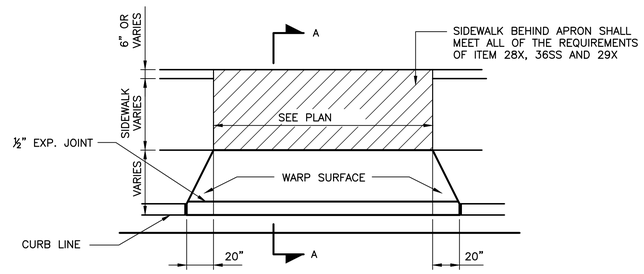
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

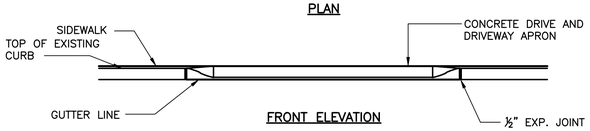
EAST BALDWIN
ROAD RAISING IMPROVEMENTS

DETAILS I

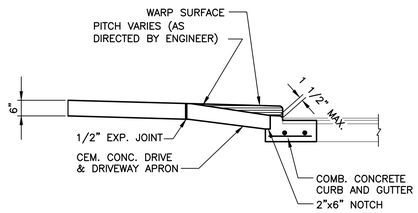
PROJECT NO. 3760
DATE: JUNE 2016
SCALE: AS NOTED
DRAWING NO. 10



PLAN



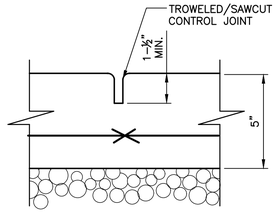
FRONT ELEVATION



SECTION A–A

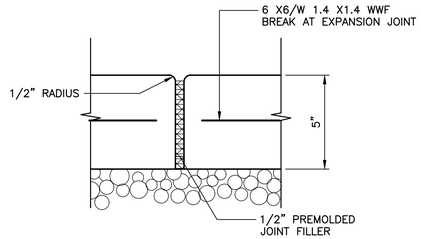
TYPICAL DETAILS FOR DROP CURB AND DRIVEWAY APRON ITEM 28X

N.T.S.



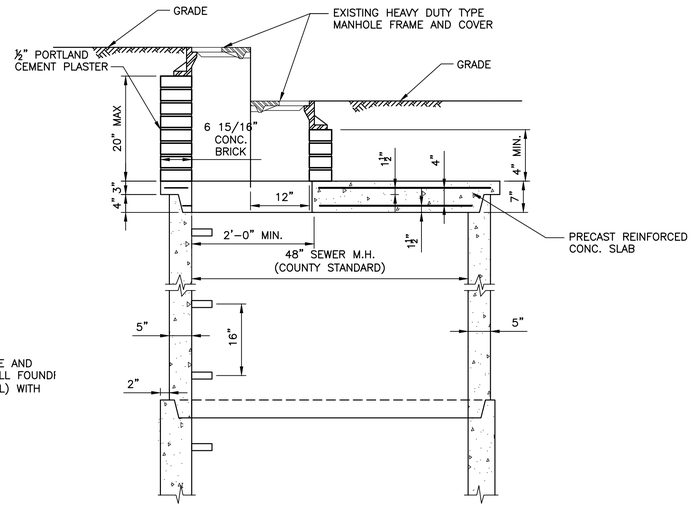
CONSTRUCTION CONTROL JOINT DETAIL

N.T.S.



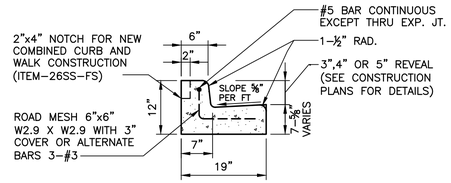
EXPANSION JOINT DETAIL

N.T.S.



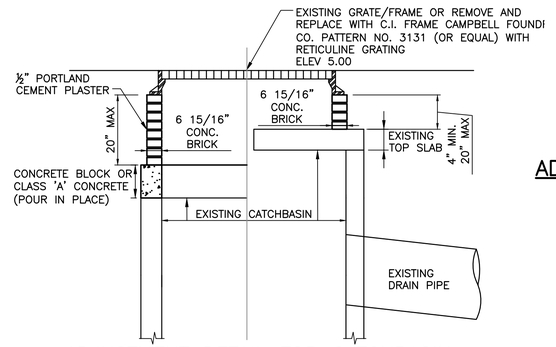
ADJUSTMENT DETAIL FOR SANITARY SEWER MANHOLE ITEM 16SS – 1 OR 2

N.T.S.



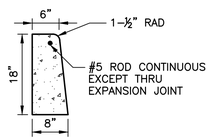
COMBINED CONCRETE CURB AND GUTTER DETAIL ITEM 26SS & 26SS-FS

N.T.S.



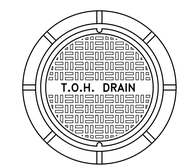
ADJUSTMENT DETAIL FOR CATCHBASIN ITEM 16SS–3

N.T.S.

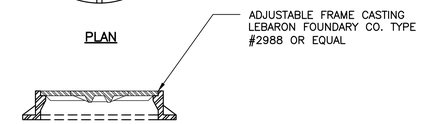


CONCRETE CURB DETAIL ITEM 26C

N.T.S.



PLAN

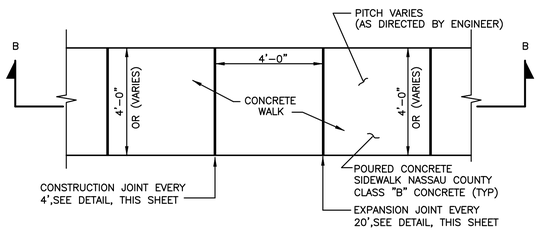


SECTION

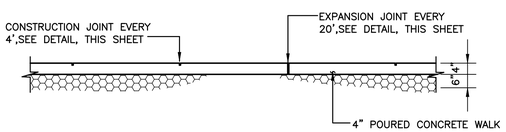
NOTE:
MANHOLE CASTING SHALL BE SUPPLIED WITH 1–#2, 2–#1 SHIMS INCLUDED IN MANHOLE ITEM, CASTING SHALL NOT BE PREPAINTED AT FACTORY OR AT SUPPLIERS YARD.

TYPICAL DRAINAGE MANHOLE CASTING

N.T.S.



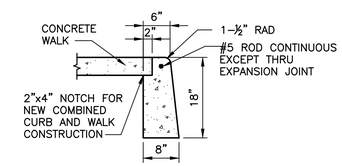
PLAN



SECTION B–B

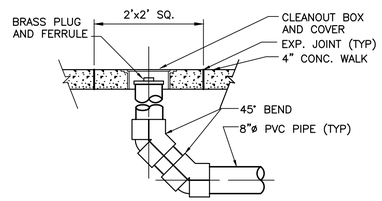
CONCRETE SIDEWALK DETAIL ITEM 27

N.T.S.



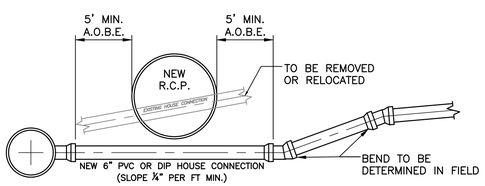
COMBINED CONCRETE CURB AND WALK DETAIL ITEM 26SS-FS

N.T.S.



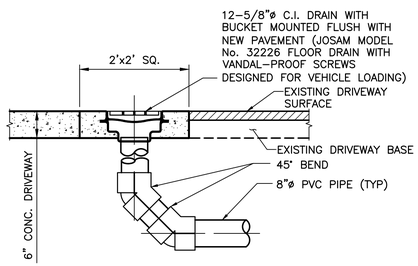
TYPICAL CLEANOUT DETAIL ITEM-222C0

N.T.S.



ADJUSTMENT DETAIL OF HOUSE SERVICE CONNECTION UNDER R.C.P. ITEM 63SS-2

N.T.S.



TYPICAL DRIVEWAY DRAIN DETAIL ITEM-13BXS

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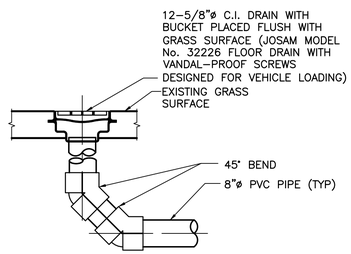
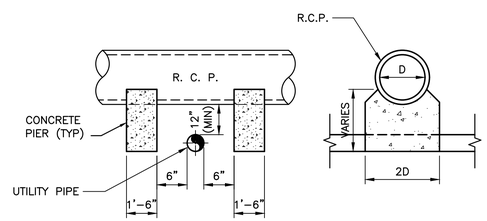


TYPICAL YARD DRAIN DETAIL ITEM-313A

N.T.S.



DETAIL OF PIPE CRADLES ITEM 18SS–1

N.T.S.

NOTE:
FOR ALL UTILITIES EXCEPT SANITARY SEWER

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: SP	DRAWN BY: JEZ/FF
DESIGNED BY: JC	CHECKED BY: WDM

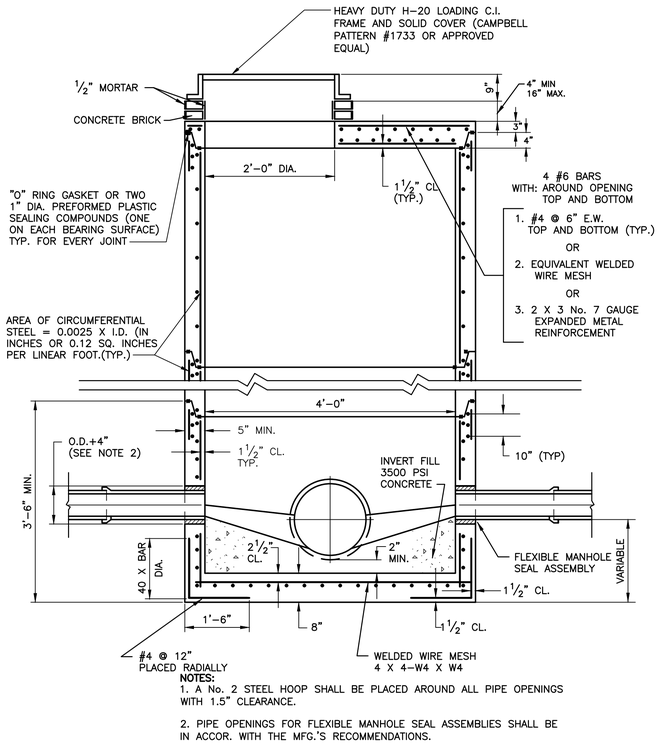
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

DETAILS II

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: AS NOTED
DRAWING NO. 11



NOTES:

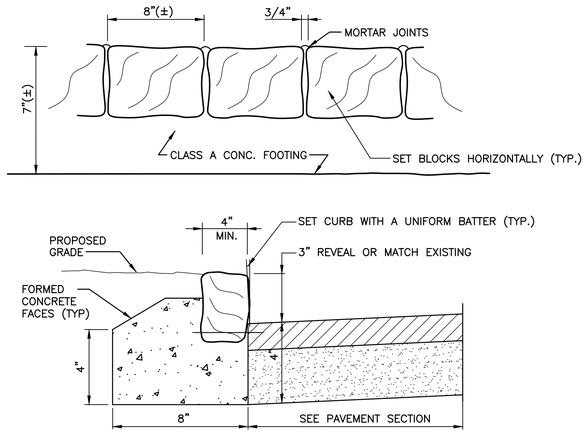
1. A No. 2 STEEL HOOP SHALL BE PLACED AROUND ALL PIPE OPENINGS WITH 1.5" CLEARANCE.

2. PIPE OPENINGS FOR FLEXIBLE MANHOLE SEAL ASSEMBLIES SHALL BE IN ACCOR. WITH THE MFG.'S RECOMMENDATIONS.

ITEM 13BX

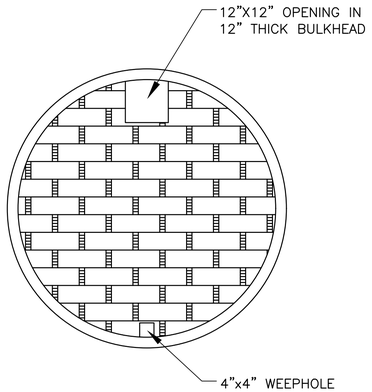
4'-0" DIAMETER PRECAST MANHOLE

N.T.S.



ITEM 26SS-MSC STONE OR BRICK CURB DETAIL

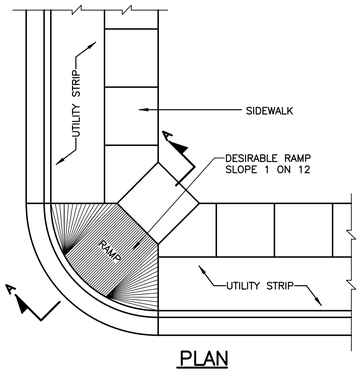
N.T.S.



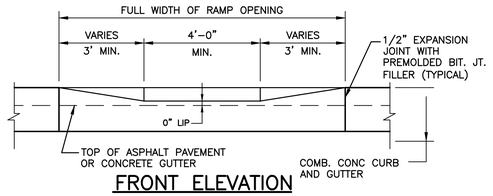
NOTE; FOR STANDARD BRICK BULKHEAD DELETE 12"x12" OPENING AND 4"x4" WEEPHOLE

DETAIL OF BRICK SEEPAGE BULKHEAD - ITEM 18SS-2

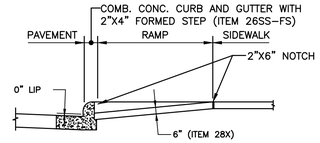
N.T.S.



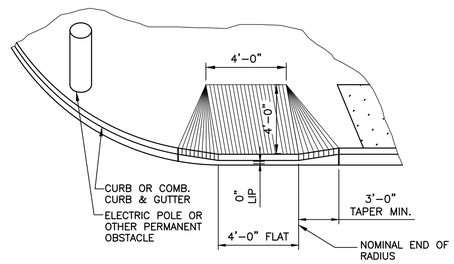
PLAN



FRONT ELEVATION

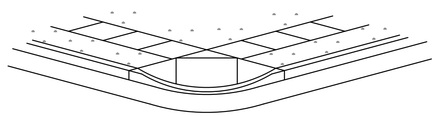


SECTION A-A



HANDICAP RAMP ITEM 28X

CENTERED IN CORNER QUADRANT
(FOR ALL CORNERS WITHOUT OBSTRUCTIONS)
N.T.S.



ISOMETRIC

HANDICAP RAMP NOTES:

1. CURB CUT RAMPS TYPE AND LOCATION ARE TO BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER
2. SURFACE TEXTURE OF THE RAMP SHALL BE TRANSVERSELY DEEP GROOVED 1/2" WIDE x 1/4" DEEP ON 1" CENTERS.
3. THE NORMAL PAVEMENT EDGE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
4. WHEN AN INTERSECTION CONTAINS PEDESTRIAN ACTIVATED SIGNALS, MAKE PROVISIONS FOR A PERSON IN A WHEELCHAIR TO ACTIVATE THE SIGNAL WITHOUT STOPPING ON RAMP.

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: SP	DRAWN BY: JEZ/FF
DESIGNED BY: JC	CHECKED BY: WDM

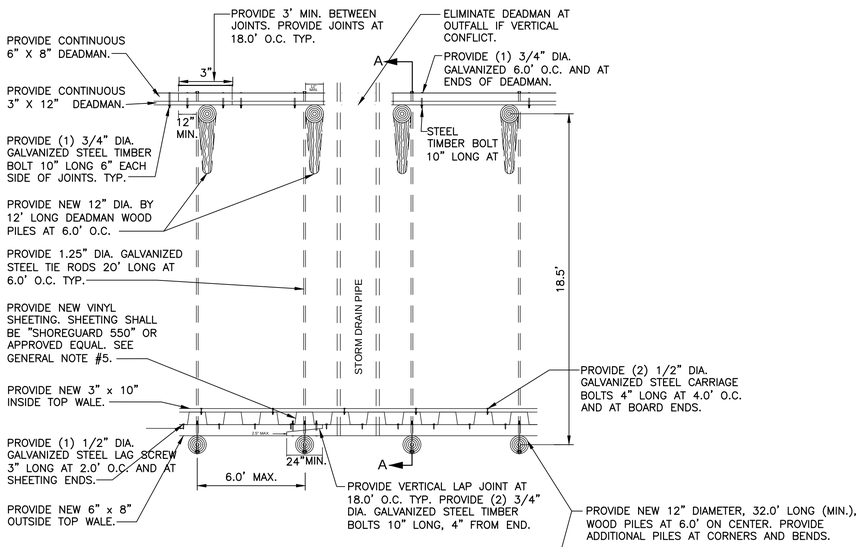
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

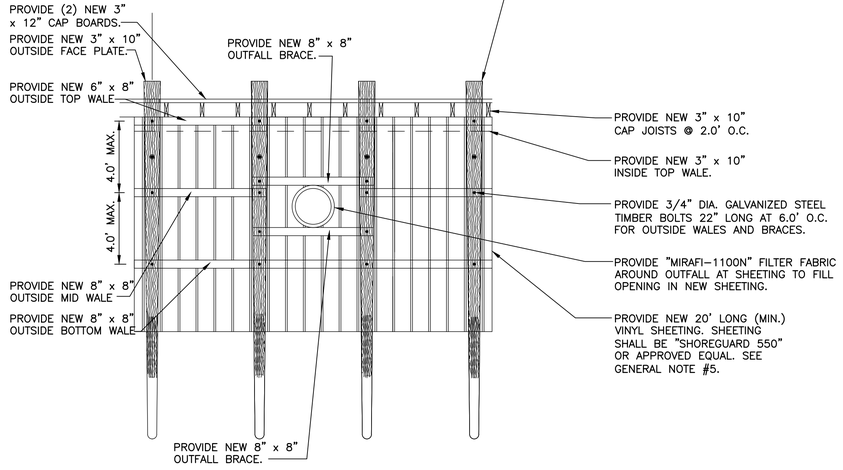
EAST BALDWIN
ROAD RAISING IMPROVEMENTS

DETAILS III

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: AS NOTED
DRAWING NO. 12



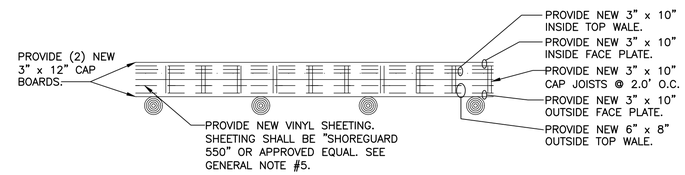
PLAN VIEW AT TOP OF SHEETING



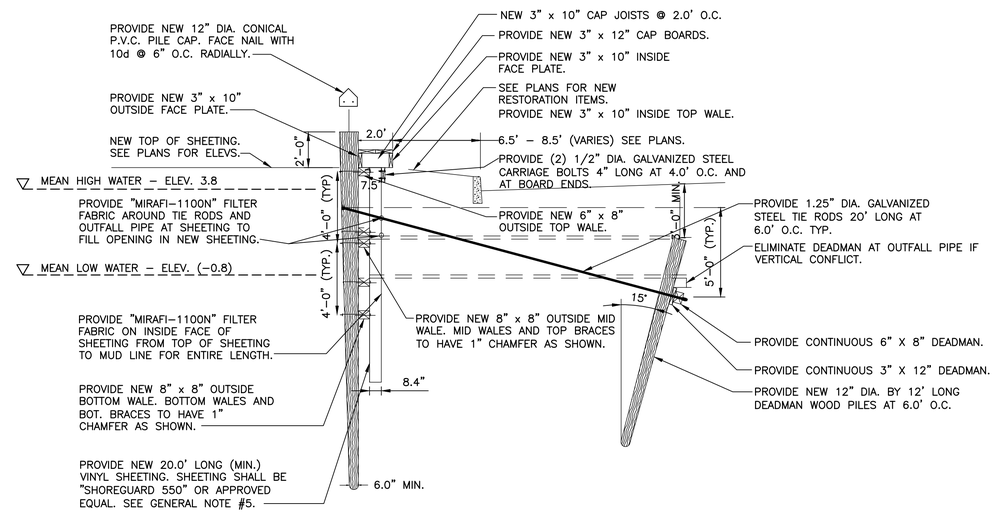
FRONT ELEVATION

NAILING SCHEDULE:

1. FACE NAIL 3"x10" OUTSIDE FACE PLATE TO 12" PILINGS WITH (2) 60d PER PILING.
2. FACE NAIL 3"x10" OUTSIDE FACE PLATE TO 3"x10" CAP JOIST WITH (2) 40d AT JOIST END.
3. TOE NAIL 3"x10" CAP JOIST TO 6"x8" OUTSIDE TOP WALE WITH (2) 16d AT JOIST END.
4. TOE NAIL 3"x10" CAP JOIST TO 3"x10" INSIDE TOP WALE WITH (1) 16d AT JOIST END.
5. FACE NAIL 3"x10" INSIDE FACE PLATE TO 3"x10" CAP JOIST WITH (2) 40d PER JOIST END.
6. FACE NAIL 3"x12" CAP BOARD TO 3"x10" CAP JOISTS WITH (3) 40d PER JOIST.



BULKHEAD CAP DETAIL



SECTION A-A

GENERAL NOTES:

1. ALL LUMBER AND TIMBER SIZES INDICATED ARE NOMINAL. ALL LUMBER AND TIMBER SHALL BE CCA AS SPECIFIED.
2. ALL DIMENSIONS INDICATED ARE FINISHED
3. BULKHEAD CONNECTIONS AT LIMITS OF NEW BULKHEAD SHALL BE DETERMINED IN FIELD A.O.B.E.
4. EXISTING BULKHEAD AND EXISTING BULKHEA ANCHORING COMPONENTS SHALL BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR THE ITEM 204X.
5. SEE PLANS FOR NEW TOP OF SHEETING ELEVATIONS.
6. ALL TIMBER AND CARRIAGE BOLTS SHALL BE PROVIDED WITH ONE N.Y.D.D. WASHER AT HEAD END.
7. ALL LAG SCREWS SHALL BE PROVIDED WITH ONE N.Y.D.D. WASHER AT HEAD END.
8. ALL TIE RODS SHALL BE PROVIDED WITH TWO N.Y.D.D. WHASHERS AND NUTS AT EACH END.
9. ALL BOLTS AND TIE RODS SHALL BE CUT FLUSH AT NUT END WHERE SHOWN AND WHERE NECESSARY TO INSTALL NEW BULKHEAD COMPONENTS.
10. ALL TIE RODS SHALL BE CUT FLUSH AT FRONT OF PILES, NUTS AND WASHERS SHALL BE COUNTERSUNK.
11. ALL HARDWARE AND FASTENERS SHALL BE GALVANIZED STEEL UNLESS OTHERWISE SHOWN AND MEET N.C.D.P.W. SPECIFICATIONS.
12. ALL OPENINGS IN NEW SHEETING FPR THE TIE RODS AND OUTFALL PIPES SHALL BE LIMITED IN SIZE AS FOLLOWS THRU WALL DIMENSION PLUS ONE INCH.

NEW BULKHEAD DETAILS
ITEM 204X
N.T.S.

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: SP	DRAWN BY: JEZ/FF
DESIGNED BY: JC	CHECKED BY: WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

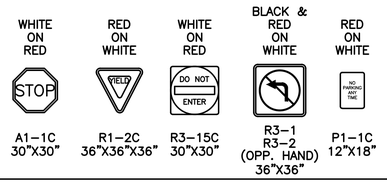
TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

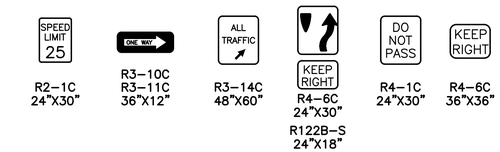
DETAILS IV

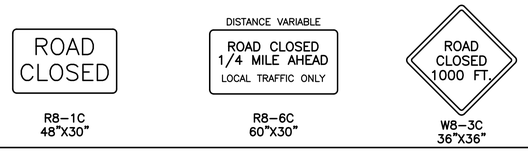
PROJECT NO. 3760
DATE: JUNE 2016
SCALE: AS NOTED
DRAWING NO. 13

COMMONLY USED REGULATORY SIGNS



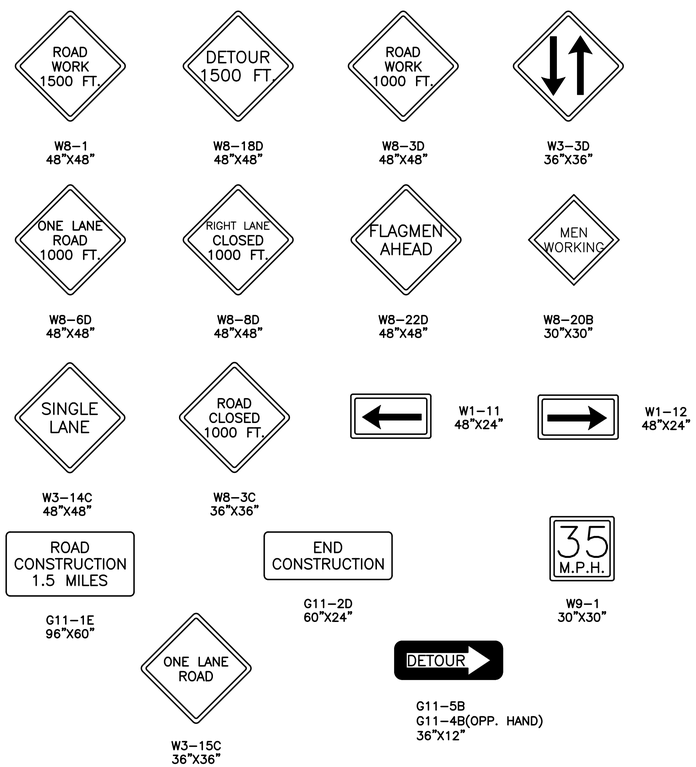
BLACK ON WHITE SERIES



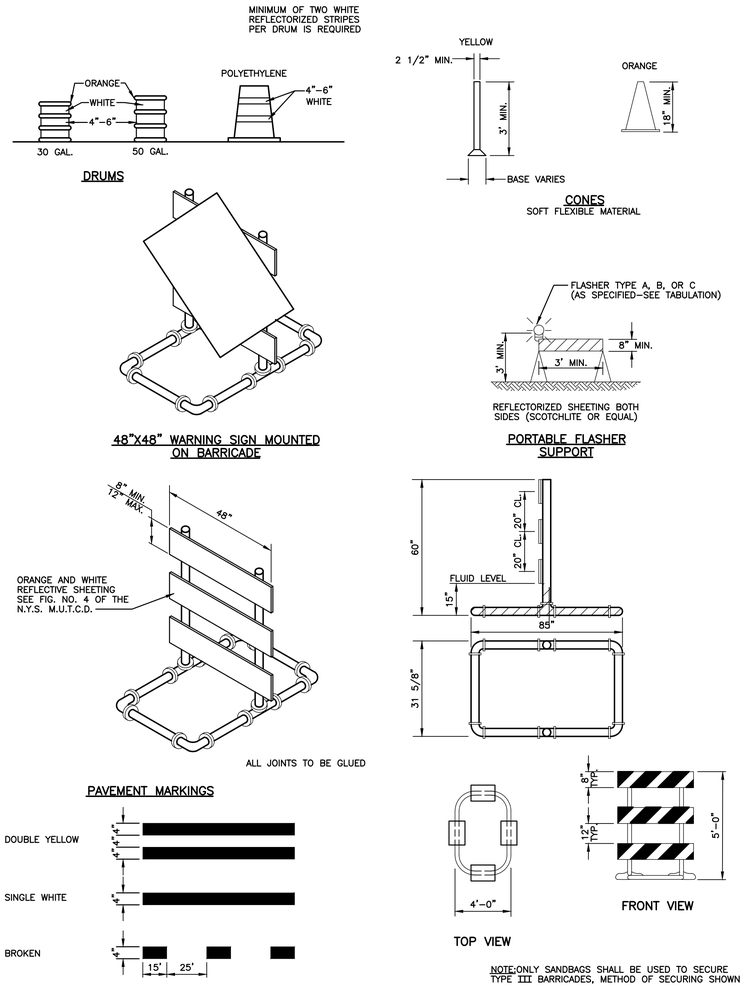


COMMONLY USED CONSTRUCTION WARNING SIGNS

BLACK ON ORANGE SERIES



BARRICADE AND BARRICADE DEVICES



NOTE: ONLY SANDBAGS SHALL BE USED TO SECURE TYPE III BARRICADES, METHOD OF SECURING SHOWN ABOVE.

GENERAL NOTES

ALL SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) OR AS SHOWN IN THE CONTRACT PLANS.

SIGN PANEL – SIGN PANELS MAY BE MADE OF STEEL, ALUMINUM, OR PLYWOOD.

SIGN PANEL SUPPORTS – THE CONTRACTOR SHALL SUPPLY ADEQUATE SUPPORTS SO THAT THE SIGNS ARE IN PROPER POSITION AND ALIGNMENT AS SHOWN ON THE CONTRACT PLANS. TYPE III BREAKAWAY BARRICADES ARE ADEQUATE AS SIGN SUPPORTS.

SIGN FACE – BACKGROUND THE SIGN FACE BACKGROUND SHALL BE MADE OF FLATTOP HIGH INTENSITY REFLECTORIZED SHEETING MATERIAL, N.Y.S. SPECIFICATION No. 730-0502 (CLASS B).

COLOR – COLORS SHALL CONFORM TO THE MANUAL.

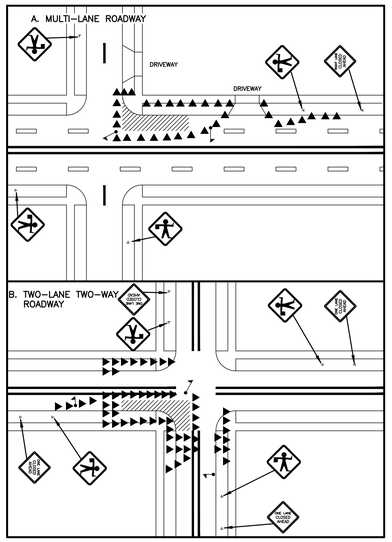
UNAUTHORIZED SIGNS – NO SIGNS SHALL BE ERECTED UNLESS AUTHORIZED BY THE ENGINEER OR SHOWN IN THE CONTRACT PLANS.

LOCATION – ALL SIGNS SHALL BE LOCATED SO AS TO GIVE MAXIMUM VISIBILITY FOR THE APPROACHING MOTORIST, BOTH DAY AND NIGHT.

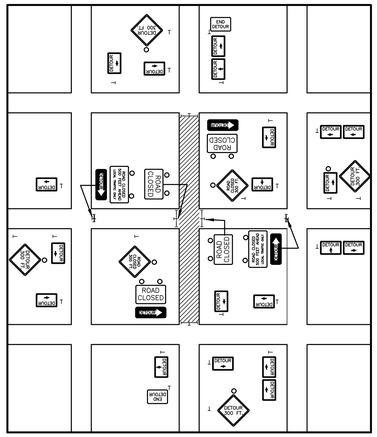
MAINTENANCE – THE CONTRACTOR SHALL KEEP THE SIGNS CLEANED AT ALL TIMES. ALL SIGNS SHALL BE THE PROPERTY OF THE CONTRACTER AND SHALL BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONTRACT AND REMOVED FROM THE WORKSITE WHEN THE CONTRACT IS ACCEPTED.

BARRACADES – ALL TYPE III BARRACADE UNITS SHALL BE MADE OF ONE OF THE FOLLOWING: EITHER POLYVINYL CLORIDE (P.V.C.) PRESSURE TREATED PIPE SDR 21 OR 26 ASTM# D2241. JOINT FITTINGS SHALL BE P.V.C. ASTM# D2655. ALL PIPE SHALL BE WHITE. WHITE FITTINGS ARE PREFFERED, BLACK MAY BE USED. THE SOLVANT CEMENT SHALL BE ASTM# D2564 TYPE T. ALUMINUM FACE PANELS N.Y.S. D.O.T. 730-01. THE SCREWS SHALL BE PAN HEAD METAL N.Y.S. D.O.T. 715.04. REFLECTIVE SHEETING METAL SHALL BE N.Y.S. D.O.T. 730-05-01 TTT OR 730-05-02. TYPE III BARRICADES MAY ALSO BE ROTATIONALLY MOLDED, MEDIUM DENSITY POLYTHYLENE 3 1/2" TUBING, ASTM# D746. THIS TYPE IS SHATTERPROOF. TYPE III BARRICADES USED AT NIGHT SHALL BE LIGHTED, AOBE (SEE WARNING LIGHT TABULATION AND NOTES CONCERNING STEADY BURN LIGHTS).

TYPICAL TRAFFIC CONTROL AT WORK AREAS IN INTERSECTIONS



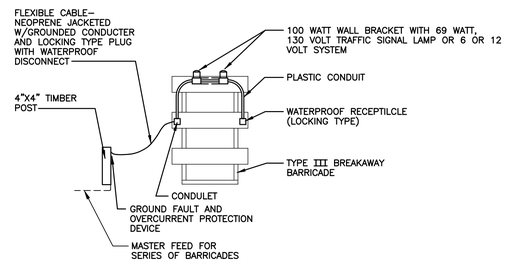
TYPICAL LOCAL STREET CLOSURE WITH DETOURS



LEGEND

SIGN
BARRICADE
CONE
FLASHING WARNING LIGHT
FLAGGER
WORK ZONE

WARNING LIGHTS TABULATION			
TYPE	TYPE A LOW INTENSITY	TYPE B HIGH INTENSITY	TYPE C STEADY BURN
LENS DIRECTIONAL FACES	1 OR 2	1	1 OR 2
FLASH RATE PER MINUTE	55-75	55-75	CONSTANT
FLASH DURATION	10%	8%	CONSTANT
MINIMUM EFFECTIVE INTENSITY	40 CANDELAS	35 CANDELAS	———
MIMIMUM BEAM CANDLE POWER	———	———	2 CANDLES
HOURS OF OPERATION	DUSK TO DAWN	24 HRS./DAY	DUSK TO DAWN



NOTES:
1. WALL BRACKET-VAPOR PROOF, NEOPRENE GASKET WITH YELLOW SHATTERPROOF PLASTIC GLOBE AND METAL GUARD
2. TWO CIRCUITS, BOTH FOR STEADY BURNING LIGHTS SHALL BE USED.
3. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER SHOWING ALL NECESSARY DETAILS FOR THE ILLUMINATION OF BARRICADES INCLUDING ELECTRICAL CIRCUITS, SIZES, TYPE AND LENGTH OF CONDUCTERS, TYPE OF INSULATION, AND TYPES OF OVERCURRENT AND GROUND FAULT PROTECTION DEVICES EMPLOYED. ALL SUCH PROPOSED WORK SHALL CONFORM TO THE MATIONAL ELECTRIC CODE.

WARNING LIGHTS DETAIL

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: SP
DRAWN BY: JEZ/FF
DESIGNED BY: JC
CHECKED BY: WDM

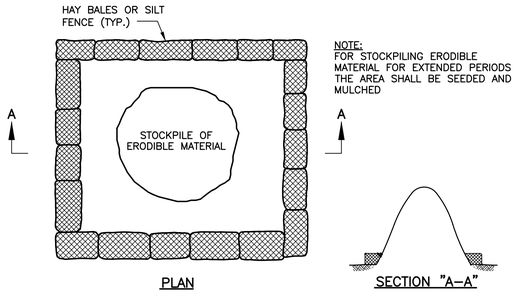
D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

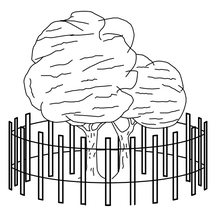
MAINTENANCE AND PROTECTION OF TRAFFIC

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: AS NOTED
DRAWING NO. 8



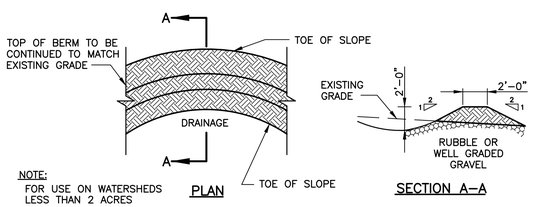
SEDIMENT CONTROL DETAIL FOR STOCKPILING OF ERODIBLE MATERIAL

N.T.S.



FENCING FOR TREE PROTECTION

N.T.S.



FILTER BERM/PERIMETER DIKE SWALE DETAIL

N.T.S.

SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.

2. ANY DISTURBED AREAS THAT WILL NOT RECEIVE PERMANENT RESTORATION WITHIN TEN (10) DAYS AFTER FINAL GRADING, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY COVER. THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.

3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.

4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW YORK.

5. A SUB–BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE ROADS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB–BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING.

6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E.; STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY COVER OF STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.

7. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E.; SLOPES GREATER THAN 3:1)

8. NEW GRAVEL PAD SHALL BE INSTALLED WITH 1–1/2" TO 2–1/2" STONE, AS PER TRAFFIC CONTROL STANDARD REQUIREMENTS, IMMEDIATELY AFTER INITIAL SITE DISTURBANCE. SAID PAD SHALL BE UNDERLAIN WITH A SUITABLE SYNTHETIC FILTER FABRIC. THE PAD SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT–OF–WAYS AND PRIVATE PROPERTY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT–OF–WAY OR PRIVATE PROPERTY SHALL BE REMOVED IMMEDIATELY. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, THE AREA USED FOR TRACKING PAD SHALL BE RETURNED TO ELEVATIONS AND CONDITIONS WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.

9. IN ACCORDANCE WITH THE STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, ANY SOIL HAVING A pH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A pH OF 5 OR MORE PRIOR TO SEEDBED PREPARATION.

10. THE ENGINEER, SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.

11. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATED VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON–VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.

12. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO MAINTAIN DUST CONTROL. DIRT HAUL ROADS SHALL BE SPRINKLED WITH WATER OR GIVEN A SURFACE OF CRUSHED STONES OR WOODCHIPS AS REQUIRED. VEHICLES SHALL BE CLEANED, AS NECESSARY, PRIOR TO USING PUBLIC STREETS. PAVED ROADS SHALL BE SPRINKLED WITH WATER.

13. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE LOCATED IN THE FIELD AS REQUIRED OR AT THE DIRECTION OF THE ENGINEER. THE CONTRACT DRAWINGS ARE NOT INTENDED TO SHOW THE LOCATION AND DETAILS FOR ALL SUCH DEVICES BUT ARE TO BE USED AS A REASONABLE GUIDE.

14. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE TOWN AND THE ENGINEER. THE REVISED PLANS MUST BE PREPARED BY THE CONTRACTOR AND MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL PRACTICES.

15. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS.

16. UPON COMPLETION OF CONSTRUCTION WORK AND AFTER FINAL GRADING AND WHEN PERMANENT STABILIZATION HAS BEEN ESTABLISHED, HAY BALES, SILT FENCES AND ALL OTHER SOIL PLAN APPURTENANCES WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, UNLESS ORDERED TO REMAIN BY THE ENGINEER.

17. ALL EXCESS EXCAVATED MATERIAL, EXCEPT FOR TOP SOIL, WILL BE REMOVED FROM THE SITE BY THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

18. CONDUIT OUTLETS AND CATCH BASIN INLETS MUST BE PROTECTED PRIOR TO START OF CONSTRUCTION.

19. THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION OPERATIONS FOR REVIEW AND SUBMITTAL TO THE ENGINEER.

20. THE CONTRACTOR SHALL MEET ENGINEER ON–SITE TO DEFINE THOSE AREAS WHICH WILL REQUIRE SOIL EROSION AND SEDIMENT CONTROL FACILITIES, DISCUSS THEIR CONSTRUCTION AND THEREAFTER PROVIDE DETAILED PLANS FOR REVIEW OF SUCH FACILITIES BY THE TOWN OF NORTH HEMPSTEAD AND THE ENGINEER.

21. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE WHERE POSSIBLE PRIOR TO, OR IMMEDIATELY FOLLOWING SITE AND ACCESS CLEARING.

22. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE AND MAINTAINED; INCLUDING SILT AND SEDIMENT REMOVAL, UNTIL CONSTRUCTION IS COMPLETED, AREA STABILIZED AND THE ENGINEER SO DIRECTS.

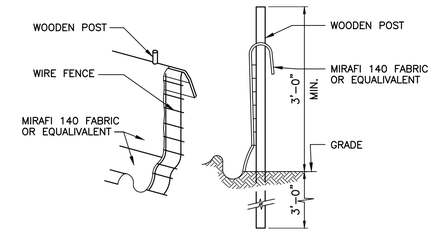
23. THE CONTRACTOR SHALL CONFINE SOIL DISTURBANCE ACTIVITY TO THE AREAS CONTAINED WITHIN THE " LIMIT OF DISTURBANCE " LINES EXCEPT AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE AND COORDINATION WITH ADJACENT CONTRACTS. SUCH ACTIVITY SHALL ESSENTIALLY CONSIST OF CLEARING, GRUBBING, GRADING AND CONSTRUCTION IN AREAS DEFINED AS BUILDINGS, TANKS, PIPELINE, PARKING AREAS, DRIVES AND WALKWAYS OR AS MAY BE REQUIRED DUE TO GRADE CHANGES OR RETAINING WALLS.

24. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. SEDIMENT FILTER SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE DETAILS OF DESIGN AND CONSTRUCTION SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR TO THE ENGINEER, AND ALL OTHER PERTINENT AGENCIES FOR REVIEW.

25. THE PROJECT IS ANTICIPATED TO BE COMPLETED WITHIN THE TIME ALLOTMENT AS SPECIFICALLY DESCRIBED IN THE CONTRACT DOCUMENTS.

26. SOIL STABILIZATION METHODS SHALL BE UNDERTAKEN COINCIDENTALLY WITH ALL MAJOR SITE IMPROVEMENTS AND CONTINUE DURING THE ENTIRE CONSTRUCTION ACTIVITY PERIOD.

27. THE LIMITS OF FENCING FOR TREE PROTECTION WILL BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION.

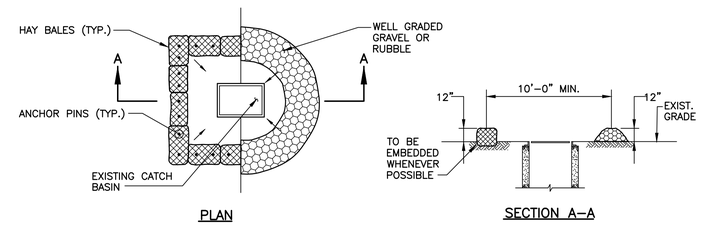


TYPICAL SILT FENCE DETAIL

N.T.S.

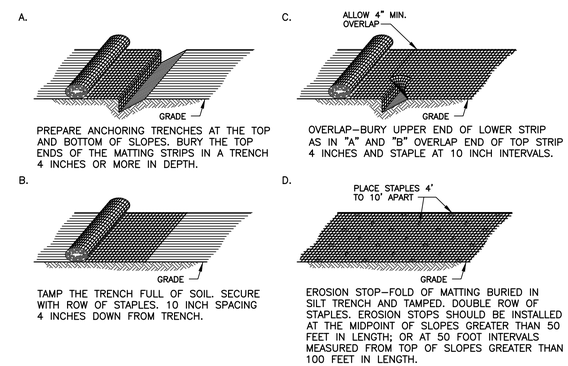
NOTE:

A SILT FENCE LIKE THIS TRAPS THE SEDIMENT IN RUNOFF WATER ON SITE WHILE PASSING RELATIVELY CLEAR WATER. TYPICALLY IT IS MADE UP OF LIVESTOCK WIRE FENCE FASTENED ONTO WOODEN FENCE POSTS. A FILTER FABRIC, SUCH AS CELANSE'S MIRAFI 140 OR CARTHAGE MILL'S POLLYFILTER–X, IS FASTENED TO THE FENCE. THE BOTTOM END OF THE FABRIC IS BURIED IN A 6 INCH DEEP TRENCH IN IT AND THE TRENCH BACKFILLED. THE SILT FENCE IS A TEMPORARY SILT CONTROL MEASURE. IT IS REMOVED ONCE VEGETABLE COVER IS ESTABLISHED. EVENTUALLY, THE SUN'S RAYS WILL DEGRADE THE PLASTIC FILTER FABRIC.



CATCH BASIN FILTER DETAIL

N.T.S.



EROSION PROTECTION WITH SOIL STABILIZATION MATTING

N.T.S.

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER: SP	DRAWN BY: JEZ/FF
DESIGNED BY: JC	CHECKED BY: WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

SEDIMENT AND EROSION CONTROL DETAILS

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: AS NOTED
DRAWING NO. 9

APPENDIX C

FLOODPLAINS AND WETLANDS

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Data of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations and Transect Data tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations and Transect Data tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York State Plane FIPSZONE 3104. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the New York State Office of Cyber Security and Critical Infrastructure Coordination. This information was derived from digital orthophotography produced at a 1.0-foot pixel resolution from photography dated 2007.

Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for the Northeast Branch Nissequogue River in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map showing the layout of map panels for this jurisdiction.

The AE Zone category has been divided by a **Limit of Moderate Wave Action (LiMWA)**. The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LiMWA (or between the shoreline and the LiMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) LEGEND

11-16-1990 CBRS Area

FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER NOVEMBER 16, 1990, IN DESIGNATED CBRS AREAS.

11-16-1991 Otherwise Protected Area (OPA)

FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER NOVEMBER 16, 1991, IN DESIGNATED OPAs WITHIN THE CBRS.

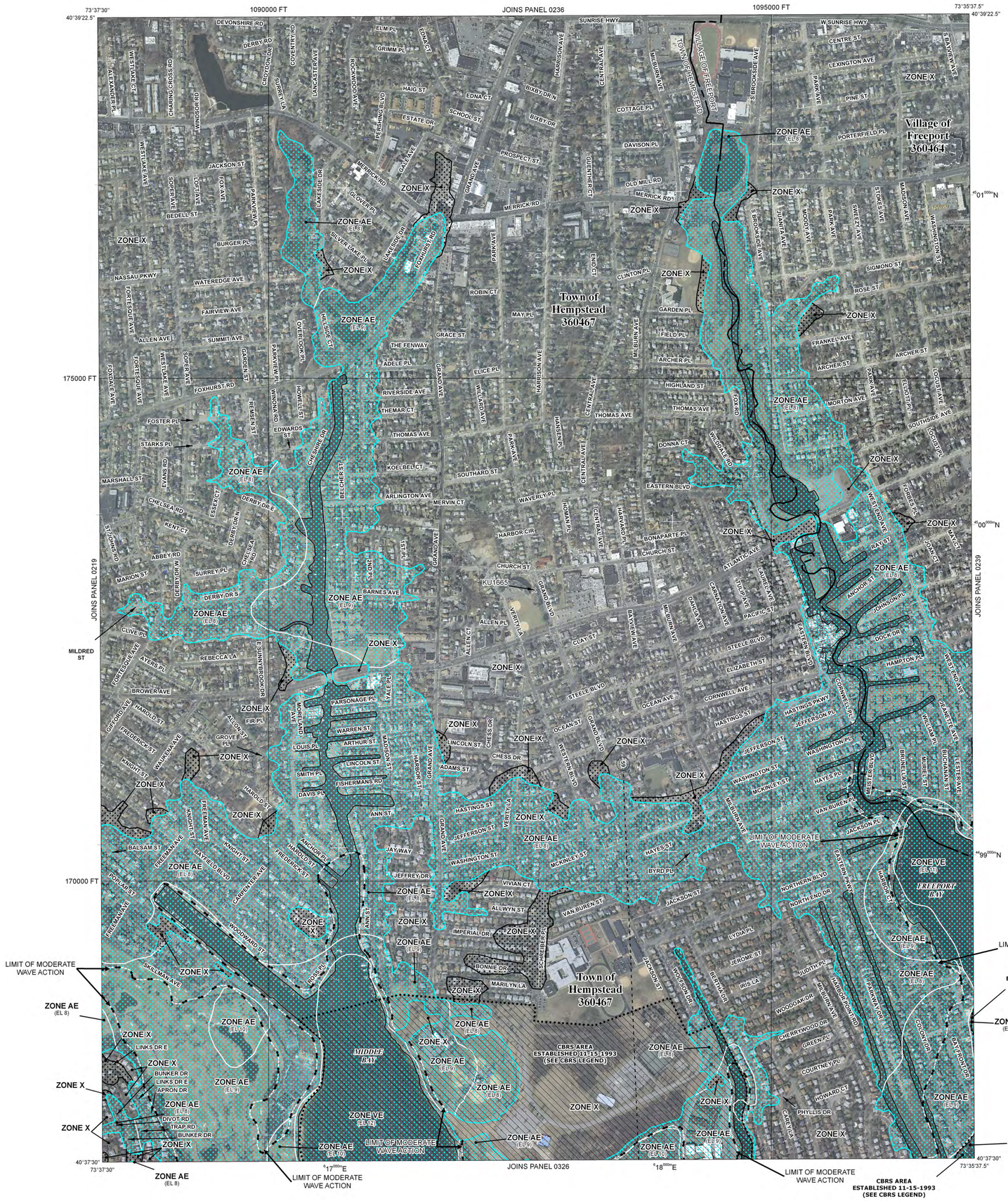
11-15-1993 CBRS Area

FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER NOVEMBER 15, 1993, IN DESIGNATED CBRS AREAS.

2-24-1997 Otherwise Protected Area (OPA)

FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER FEBRUARY 24, 1997, IN DESIGNATED OPAs WITHIN THE CBRS.

Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this FIRM were transferred from the official CBRS source map(s) for this area and are depicted on this FIRM for informational purposes only. The official CBRS maps are enacted by Congress via the Coastal Barrier Resources Act, as amended, and maintained by the U.S. Fish and Wildlife Service (FWS). The official CBRS maps used to determine whether or not an area is located within the CBRS are available for download at http://www.fws.gov. For an official determination of whether or not an area is located within the CBRS, or for any questions regarding the CBRS, please contact the FWS field office for this area at (631) 776-1401.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Limit of Moderate Wave Action

513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

A — A	Cross section line
3 — 3	Limited detail cross section line
23 - - - - - 23	Transect line
87°07'45", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4376000m N	1000-meter Universal Transverse Mercator grid values, zone 18
600000 FT	5000-foot grid values: statename State Plane coordinate system, spzone (FIPSZONE fipszone), spherename projection
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
● M1.5	River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
April 2, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
September 11, 2009 - to change Base Flood Elevations, to change Special Flood Hazard Areas, to update map format, to change zone designations, to update the effects of wave action, to incorporate Primary Frontal Dune analysis, to reflect revised shoreline, to reflect the effects of coastal erosion, and to reflect updated topographic information

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

NFIP

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0238G

FIRM

FLOOD INSURANCE RATE MAP

for NASSAU COUNTY, NEW YORK
(ALL JURISDICTIONS)

CONTAINS:

COMMUNITY	NUMBER
FREEPORT, VILLAGE OF	360464
HEMPSTEAD, TOWN OF	360467

- NOTE -
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

PANEL 238 OF 366
MAP SUFFIX: G
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
36059C0238G

MAP REVISED
SEPTEMBER 11, 2009

Federal Emergency Management Agency

SUMMARY OF 5-STEP FLOODPLAIN AND WETLAND ANALYSIS FOR THE EAST BALDWIN ROAD RAISING HAMLET OF BALDWIN, TOWN OF HEMPSTEAD NASSAU COUNTY, NEW YORK

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

Below is a summary of the analysis conducted in accordance with 24 CFR Part 55 (Floodplain Management and Protection of Wetlands) and Executive Orders 11988 (Floodplain Management).

Pursuant to 24 CFR §55.12(a)(4), steps 2, 3, and 7 of the 8-step process for floodplain management do not apply to projects involving the improvement of existing nonresidential buildings and structures, in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and are in good standing, provided that the action does not meet the thresholds for "substantial improvement" under §55.2(b)(10) and that the footprint of the structure and paved areas is not significantly increased. The project involves the raising and reconstruction of four local roads, Washington Place, Hayes Place, Van Buren Place and Jackson Place on the west side of the Milburn Creek and Baldwin Bay in the Hamlet of Baldwin, Town of Hempstead, Nassau County, New York, to a level that would provide sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA's) 10-year still water level. (See attached **Figure 1**). The project would include replacement of concrete curbs and sidewalks, improvements to the stormwater drainage system, installation of check valves at outfalls, and the reconstruction of street end bulkheads to minimum elevations of 7.5 feet NGVD to prevent flooding. To prevent the road raising from having negative impacts on adjacent private properties, the improved roads would have new storm drain inlets installed at property frontages. The front yards and driveways of the individual properties along each street would be sloped up to the new level of the roads.

Step 1: Determine if the proposed action is in a 100-year floodplain or wetland.

The Project site is within the 100-year Special Flood Hazard Area (SFHA), as indicated on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Community Panel Number 36059C0238G, dated September 11, 2011 (attached to this document). See the attached **Figure 2**. The Project site is adjacent to tidal-coastal wetlands, as identified by NYSDEC, and is within the 300 feet regulatory boundary of these tidal-coastal wetlands. The Project site is adjacent to an NWI riverine wetland to the west, and an NWI estuarine and marine deepwater wetland (Milburn Creek and Baldwin Bay). See the attached **Figures 3 and 4**. This 5-step analysis is provided for this project site as an improvement of existing nonresidential buildings and structures that does not meet the thresholds for "substantial improvement" under §55.2(b)(10) and where the footprint of the structure and paved areas is not significantly increased.

Step 4: Identify and describe the proposed action's direct and indirect effects associated with occupying or modifying the floodplain or wetland.

A total of approximately 3.1 acres of previously disturbed floodplain would be disturbed by the Project. There would be a negligible change in the existing impermeable surface (approximately two acres), which would be the only long-term effect on the floodplain. The Project would not disturb the NYSDEC tidal-coastal wetlands or the NWI wetland, but Project-related construction would disturb approximately two acres of the 300-foot buffer area around the NYSDEC wetlands.

Both the floodplain area and the wetland buffer on the Project site are previously disturbed by the existing roads (Washington Place, Hayes Place, Van Buren Place, and Jackson Place) and residential development along these roads. The existing impermeable surfaces associated with the Project include roads, sidewalks, drainage structures, and bulkheads. Surface disturbance associated with the Project includes the 2,215 linear feet of street, curbs and sidewalks along the roads, improvements to the stormwater drainage system, installation of check valves at outfalls, the reconstruction of street end bulkheads, and modification of front yards and existing driveways of the individual properties along each street. (See the attached **East Baldwin Road Raising Plant Site Plans**.) The limited area of disturbance would not adversely affect the natural and beneficial values of the floodplain and wetland buffer or lives and property.

The Project would reduce damage to homes, lawns and landscaping; reduce disruption of public services such as sanitary garbage collection and mail services; and allow better fire protection, rescue and police responses in times of storms and high tides. The project would directly contribute to the rebuilding and recovery of the area with a focus on resiliency and mitigation.

Step 5: Identify methods to minimize the potential adverse impacts within a floodplain and wetland and to restore and preserve the natural and beneficial values.

Because the roads that would be raised and reconstructed are already in the floodplain and must remain there to provide service to the existing neighborhood, which is also in the floodplain, the Project must be located in the floodplain. The Project design would minimize permanent disturbance of the floodplain. (See the attached **East Baldwin Road Raising Plant Site Plans**.) There would be a negligible change in the existing impermeable surface (approximately two acres), which would be the only long-term effect on the floodplain.

The Project would not disturb the NYSDEC tidal-coastal wetlands or the NWI wetland, but Project-related construction would disturb approximately two acres of the 300-foot buffer area around the NYSDEC wetlands. Prior to construction, the appropriate permits would be obtained in accordance with 6NYCRR PART 608, Protection of Waters Program; 6NYCRR PART 661, Tidal Wetlands Permit Program, NYSDEC stormwater discharge from construction activities regulations; and Section 401 of the Clean Water Act. A stormwater pollution prevention plan (SWPPP) would be prepared for the Project. It will describe the use of best management practices to control runoff during construction, which would mitigate any temporary effects on these wetland areas. No changes in land use or impervious surface would occur as a result of the Project that would affect these wetlands in the long term.

Step 6: Reevaluate the proposed action to determine if it is still practicable given its floodplain effects.

The elevation of the existing impermeable surfaces of the roads, sidewalks, drainage structures, and bulkheads would be the only long-term effect on the floodplain. The potential effect on the floodplain from the small increase in impervious surface would be minor and would not

adversely affect the natural and beneficial floodplain values of the floodplain or lives and property, particularly with the respect to the beneficial increase in the community's resiliency. No changes in land use or impervious surface would occur as a result of the Project that would affect NYSDEC tidal-coastal wetlands or the nearby NWI wetland in the long term. As a result, the proposed action is still practicable.

Step 8: The proposed action can be implemented after the above steps have been completed.

Implementation of the proposed action may require additional local and state permits, which could place additional design modifications or mitigation requirements on the project.

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Project Area.mxd

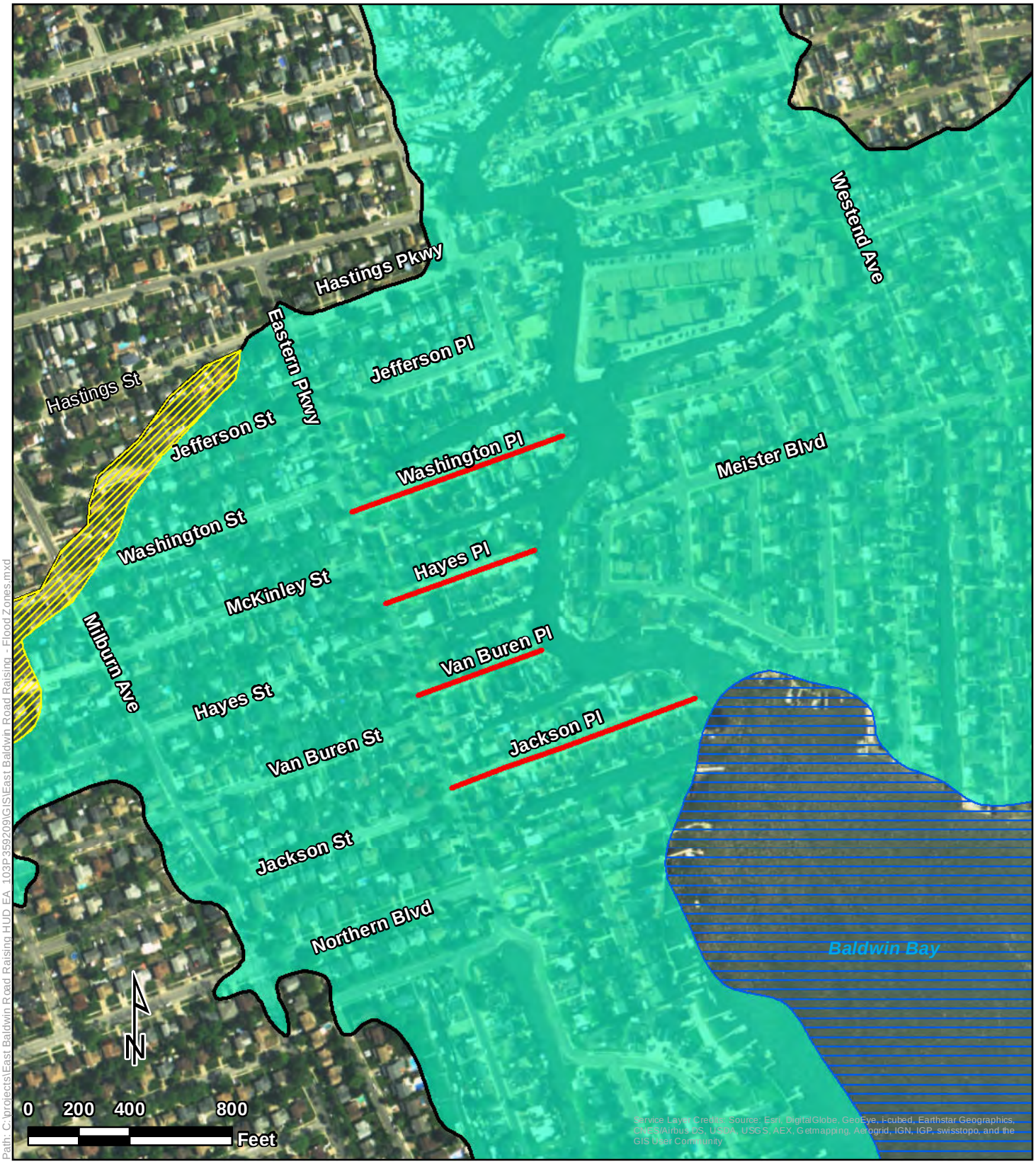
Project Area

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc



Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Flood Zones.mxd

Legend

Project Area

Flood Zones

- Zone AE- within the 1% annual chance flood
- Zone AE - floodway
- Zone VE - coastal flood zone with velocity hazard
- Zone X - within the 0.2% annual chance of flood
- Zone X - area of minimal flood hazard

Flood Zones

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Data of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations and Transect Data tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations and Transect Data tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York State Plane FIPSZONE 3104. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the New York State Office of Cyber Security and Critical Infrastructure Coordination. This information was derived from digital orthophotography produced at a 1.0-foot pixel resolution from photography dated 2007.

Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for the Northeast Branch Nissequogue River in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map showing the layout of map panels for this jurisdiction.

The AE Zone category has been divided by a **Limit of Moderate Wave Action (LiMWA)**. The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LiMWA (or between the shoreline and the LiMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) LEGEND

11-16-1990 CBRS Area

FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER NOVEMBER 16, 1990, IN DESIGNATED CBRS AREAS.

11-16-1991 Otherwise Protected Area (OPA)

FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER NOVEMBER 16, 1991, IN DESIGNATED OPAs WITHIN THE CBRS.

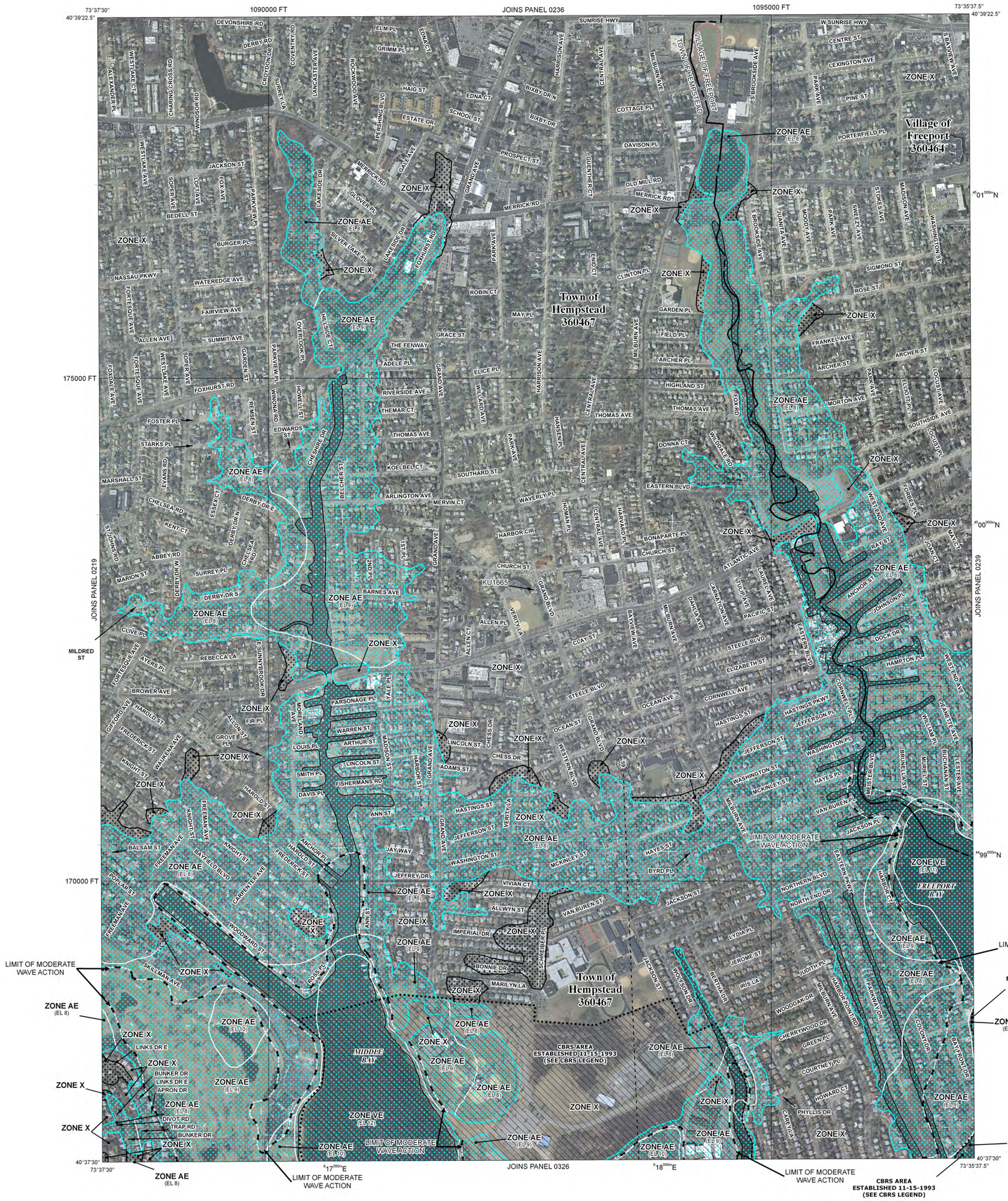
11-15-1993 CBRS Area

FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER NOVEMBER 15, 1993, IN DESIGNATED CBRS AREAS.

2-24-1997 Otherwise Protected Area (OPA)

FLOOD INSURANCE NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER FEBRUARY 24, 1997, IN DESIGNATED OPAs WITHIN THE CBRS.

Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this FIRM were transferred from the official CBRS source map(s) for this area and are depicted on this FIRM for informational purposes only. The official CBRS maps are enacted by Congress via the Coastal Barrier Resources Act, as amended, and maintained by the U.S. Fish and Wildlife Service (FWS). The official CBRS maps used to determine whether or not an area is located within the CBRS are available for download at http://www.fws.gov. For an official determination of whether or not an area is located within the CBRS, or for any questions regarding the CBRS, please contact the FWS field office for this area at (631) 776-1401.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Limit of Moderate Wave Action

513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

A — A	Cross section line
3 — 3	Limited detail cross section line
23 - - - - - 23	Transect line
87°07'45", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4376000m N	1000-meter Universal Transverse Mercator grid values, zone 18
600000 FT	5000-foot grid values: statename State Plane coordinate system, spzone (FIPSZONE fipszone), spherename projection
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
● M1.5	River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
April 2, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
September 11, 2009 - to change Base Flood Elevations, to change Special Flood Hazard Areas, to update map format, to change zone designations, to update the effects of wave action, to incorporate Primary Frontal Dune analysis, to reflect revised shoreline, to reflect the effects of coastal erosion, and to reflect updated topographic information

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

NFIP

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0238G

FIRM

FLOOD INSURANCE RATE MAP

for NASSAU COUNTY, NEW YORK
(ALL JURISDICTIONS)

CONTAINS:

COMMUNITY	NUMBER
FREEPORT, VILLAGE OF	360464
HEMPSTEAD, TOWN OF	360467

- NOTE -
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

PANEL 238 OF 366
MAP SUFFIX: G
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
36059C0238G

MAP REVISED
SEPTEMBER 11, 2009

Federal Emergency Management Agency

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Wetlands.mxd

Legend

- Project Area
- NYS Freshwater Wetlands
- NYS Freshwater Wetlands Buffer

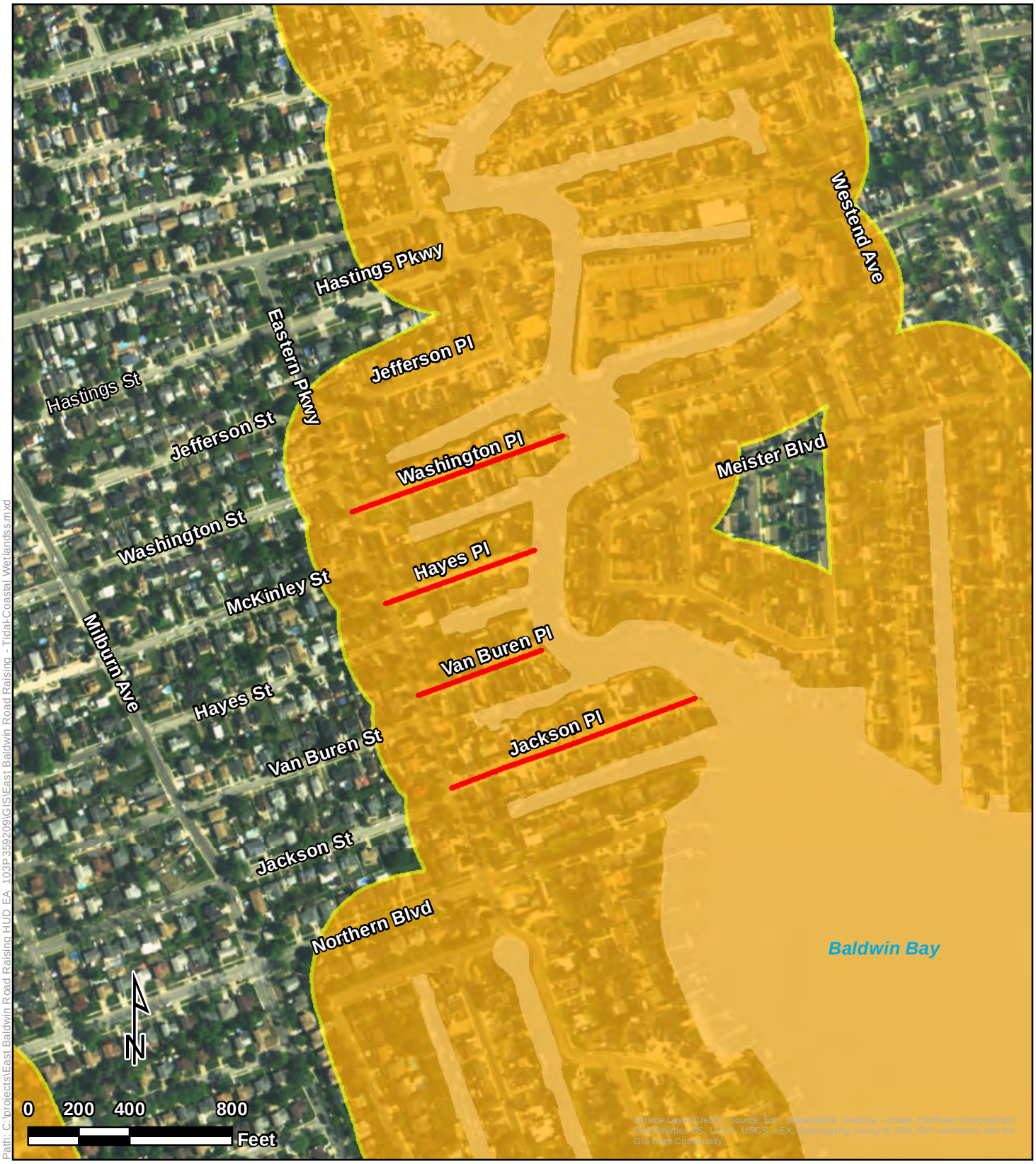
NWI Wetlands

- Estuarine and Marine Deepwater

Wetlands

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc



Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Tidal-Coastal Wetlands.mxd

Tidal-Coastal Wetlands

East Baldwin Road Raising
Baldwin, Nassau County, New York

Legend

- Project Area
- Tidal - Coastal Wetlands
- Tidal - Coastal Wetlands 300ft Buffer

Tetra Tech, Inc

APPENDIX D
COASTAL CONSISTENCY

STATE OF NEW YORK
DEPARTMENT OF STATE
ONE COMMERCE PLAZA
99 WASHINGTON AVENUE
ALBANY, NY 12231-0001
WWW.DOS.NY.GOV

ANDREW M. CUOMO
GOVERNOR

ROSSANA ROSADO
SECRETARY OF STATE

March 23, 2017

Matt Accardi
Bureau of Environmental Review and Assessment
Assistant General Counsel
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, New York 10004

Re: F-2017-0025(FA)
GOSR - East Baldwin Road Raising
Raise and reconstruct four local roads—Washington Place, Hayes Place, Van Buren Place and Jackson Place—on the west side of the Milburn Creek and Baldwin Bay in the Hamlet of Baldwin.
Town of Hempstead, Nassau County
General Concurrence - No Objection To Funding

Dear Mr. Accardi:

The Department of State received the information you submitted regarding the above matter on 1/3/2017.

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 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-2017-0025(FA).

Sincerely,

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

JZ/dc

NEW YORK STATE OF OPPORTUNITY. | Department of State

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

January 3, 2016

Jeffery Zappieri
Supervisor, Consistency Review Unit
Division of Coastal Resources
New York State Department of State
One Commercial Plaza-Suite 1010
99 Washington Avenue
Albany, NY 12231-0001

Re: General Consistency Request for Concurrence
East Baldwin Road Raising Project – Town of Hempstead
Nassau County, New York

Dear Mr. Zappieri:

The Governor's Office of Storm Recovery (GOSR), acting under the auspices of New York State Homes and Community Renewal's (HCR) Housing Trust Fund Corporation (HTFC), on behalf of the United States Department of Housing & Urban Development (HUD), is currently preparing and Environmental Assessment (EA) for the East Baldwin Road Raising Project (the "Proposed Action") located in the Town of Hempstead, Nassau County, New York (See Project Location Figures 1 and 2). GOSR is acting as HUD's non-federal representative for the purposes of compliance with the National Environmental Policy Act (NEPA).

The purpose of this letter is to provide the New York State Department of State (DOS) notice of the Proposed Action and to obtain written confirmation from DOS that the proposed activities will be in compliance with general consistency concurrence criteria.

Project Overview

In the community of East Baldwin within the Town of Hempstead, the streets of Washington Place, Hayes Place, Van Buren Place, and Jackson Place experienced severe tidal flooding during Hurricane Irene and Superstorm Sandy. Large sections of these streets are less than 1.5 feet of elevation above the National Geodetic Vertical Datum, making them susceptible to tidal flooding from the adjacent Milburn Creek and Baldwin Bay. Such tidal flooding occurs on weekly and monthly bases, along with significant flooding when major rainstorms coincide with a high tide period. During the NY Rising Community Planning process, East Baldwin residents advocated for improvements to stormwater management and drainage systems to improve the resiliency of the community.

The Proposed Action would be take place on the four local roads: Washington Place, Hayes Place, Van Buren Place and Jackson Place on the west side of the Milburn Creek and Baldwin Bay within Village of Baldwin, Nassau County, New York (**Figure 1**).

Across the four local roadways, approximately 2,215 linear feet of residential street would be elevated. The intent of the proposed project is to elevate each roadway with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA's) 10-year still water level. At their western ends, the roadways would be sloped down to the level of Eastern Parkway; no construction is expected to take place within Eastern Parkway (See **Figure 2**).

Compliance

GOSR is requesting a response letter from DOS that can be included in the EA to document that coordination with DOS is being completed, and general consistency concurrence criteria will be met. Attached to this letter is a Federal Consistency Assessment Form, including an addendum analyzing the consistency of the Proposed Project with the relevant policies from the State's Coastal Management Plan.

If you have questions or require additional information regarding this request, please contact me at (212) 480-6265 or Matt.Accardi@stormrecovery.ny.gov. Thank you for your time and consideration.

Sincerely,

Matt Accardi
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor, New York, NY 10004

Attachments:
Federal Consistency Assessment Form
Figure 1 – Project Location
Figure 2 – Preliminary Site Plan
Figure 3 – Areas of Potential Disturbance

NEW YORK STATE DEPARTMENT OF STATE
COASTAL MANAGEMENT PROGRAM

Federal Consistency Assessment Form

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: Matt Accardi
2. Address: 25 Beaver Street, 5th Floor, New York, New York 10004
3. Telephone: Area Code ( ) 212-480-6265

B. **PROPOSED ACTIVITY:**

1. Brief description of activity:

Approximately 2,2125 linear feet of streets of Washington Place, Hayes Place, Van Buren Place, and Jackson Place, along with bulkheads and drainage system would be raised to meet the FEMA 10-year still water level.

2. Purpose of activity:

Reduce flooding damage to homes, reduce disruption of public services, and allow better access to emergency services in times of storms and high tides.

3. Location of activity:

Nassau County	Town of Hempstead	Jackson Place + 3 more
County	City, Town, or Village	Street or Site Description

4. Type of federal permit/license required: CDBG-DR Funding

5. Federal application number, if known: _____

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:

_____

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: Matt Accardi

Address: 25 Beaver Street, 5th Floor, New York, NY 10004

Telephone: Area Code ( ) 212-480-6265

Applicant/Agent's Signature: _____ Date: January 3, 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.

FCAF Addendum: East Baldwin Road Raising

This document is the addendum to the Federal Consistency Assessment Form (FCAF) for the East Baldwin Road Raising Project. After describing the Proposed Project in more detail, this document analyzes the consistency of the Proposed Project with the State's Costal Management Plan (CMP), specifically those policies that were identified as potentially applicable to this Project in the FCAF.

PROJECT DESCRIPTION

The Town of Hempstead is proposing the raising and reconstruction of four local roads—Washington Place, Hayes Place, Van Buren Place and Jackson Place—on the west side of the Milburn Creek and Baldwin Bay in the Hamlet of Baldwin, Town of Hempstead, Nassau County, New York (**Figures 1 and 2**).

Large sections of the neighborhood roadways are less than 1.5 feet of elevation above the National Geodetic Vertical Datum (NGVD), making them susceptible to varying levels of tidal flooding from the adjacent Milburn Creek and Baldwin Bay. The entire neighborhood lies within the 100-year floodplain.

The streets are paved with asphalt and have concrete gutters and sidewalks. There are stormwater inlets in the gutters. The stormwater drainage for each street outfalls to the Wilburn Creek and Baldwin Bay. The properties on either side of the streets are fully developed residences with yards and driveways (mix of brick, concrete, and asphalt). The streets lie within the 100-year floodplain and are located over the Nassau-Suffolk Sole Source Aquifer.

Across the four local roadways, approximately 2,215 linear feet of residential street would be elevated. The intent of the proposed project is to elevate each roadway with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA's) 10-year still water level. At their western ends, the streets would be sloped down to the level of Eastern Parkway. There would be no construction in Eastern Parkway.

The Project would also include the replacement of concrete curbs and sidewalks, improvements to the stormwater drainage system, installation of check valves at outfalls, and the reconstruction of street end bulkheads to minimum elevations of 7.5 feet NGVD to prevent flooding. To prevent the road raising from having negative impacts on adjacent private properties, the improved roads would have new storm drain inlets installed at property frontages. The front yards and driveways of the individual properties along each street would be sloped up to the new level of the roads. **Figures 3a through 3d** show the area of potential disturbance, each property would be affected to a different degree depending on the slope required.

The project site is within the bounds of the Nassau-Suffolk Sole Source Aquifer, which underlies all of Nassau County.

The existing sanitary sewer connections and collection system along these roads would not be changed.

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 processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis.

CONSISTENCY WITH THE NYS COASTAL MANAGEMENT PLAN

Policy 11: *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.*

Response: The Proposed Project area is located within the 100-year floodzone. The area is completely developed as a residential neighborhood. The end of each street is protected by a bulkhead. These bulkheads will be replaced with higher bulkheads to protect the raised streets. The proposed construction would reduce the damage to the homes along the four streets from flooding, and allow better access for public services (e.g., mail, garbage collection) and emergency access during times of storms and high tides. The Proposed Project would be consistent with this policy.

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

Response: Each of the four streets in the Proposed Project area is protected by a bulkhead at the eastern end of the street. These bulkheads will be replaced with higher bulkheads to protect the raised streets. The new bulkheads will meet current design standards and are expected to prevent erosion for at least 30 years. The Proposed Project would be consistent with this policy.

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

Response: The intent of the Proposed Project is to elevate each roadway with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA's) 10-year still water level. The Proposed Project is limited to the repair and improvement of existing structures. The Proposed Project would be consistent with this policy.

Policy 33: *Best management practices will be used to ensure the control of stormwater runoff and combined sewer overflows draining into coastal waters.*

Response: The Proposed Project would elevate roadways that have existing concrete gutters with stormwater inlets in the gutters. The stormwater for each of the four streets

drains to outfalls to the Wilburn Creek and Baldwin Bay. The Proposed Project would include the raising and replacement of the streets and gutters and inlets. In addition, checkvalves would be installed at each outfall. During construction, best management practices would be implemented to control erosion of sediments. There would be no changes to the existing sanitary sewer system on these streets. As proposed, the Proposed Project is consistent with this policy.

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

Response: The Project area is outside the designated tidal-coastal wetlands area for Wilburn Creek and Baldwin Bay, but is within the 300 foot buffer area. The area is currently 100 percent developed with paved streets residences and residential landscaping. There would be no impact to the tidal coastal wetlands. Within the 300 foot buffer zone, change would be within currently developed land on existing asphalt streets; concrete sidewalks, curbs, and gutters; and residential front yards and driveways. The Proposed Project would be consistent with this policy.

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Project Area.mxd

Project Area

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
HAYES PLACE						
STA 0+24 / 28.0' L	1	MH (EX.)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.30		**Raise Ex. CB grate to 4.10**
STA 0+76 / 15.0' R	3	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.29		**Raise Ex. CB grate to 4.10**
STA 4+52 /15.0' L	4	CB (EX.)	GRATE (EX)	2.31		**Demolish Ex CB 4**
STA 4+52 /15.0' L	**4A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.15**		
STA 4+46 / 8.0' R	5	MH (EX.)	COVER / RIM	2.60		**Demolish Ex MH 5**
STA 4+46 / 7.0' R	**53**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.50**		
STA 4+47 / 15.0' R	6	CB (EX.)	GRATE (EX)	2.39		**Demolish Ex CB 6**
STA 4+52 / 15.0' R	**6A**	**Type A - CB**	**Type A Grate**	**4.15**		
STA 2+85 / 15.0' R	**50**	**Type A - CB**	**Type A Grate**	**4.10**		
STA 2+90 / 7.0' R	**51**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.55**		
STA 2+85 / 15.0' L	**52**	**Type A - CB**	**Type A Grate**	**4.10**		
VAN BUREN PLACE						
STA 0+29 / 9.0' R	8	MH (EX.)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX.)	INLET (EX)		3.50	**Alter CB / Raise Inlet to 4.13**
STA 0+80 / 15.0' R	10	CB (EX.)	GRATE (EX)	3.54		**Raise Ex. CB grate to 4.10**
STA 3+42 / 15.0' L	11	CB (EX.)	GRATE (EX)	2.68		**Demolish Ex CB 11**
STA 3+42 / 15.0' L	**11A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.12**		
STA 3+42 / 15.0' R	12	CB (EX.)	GRATE (EX)	2.78		**Demolish Ex CB 12**
STA 3+42 / 15.0' L	**12A**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+60 / 15.0' L	**84**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+67 / 6.0' R	**85**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
STA 2+60 / 15.0' R	**86**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 3+37 / 6.0' R	**87**	**Type A - MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
JACKSON PLACE						
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX.)	INLET (EX)		3.42	**Alter CB / Raise Inlet to 4.08**
STA 0+84 / 15.0' R	16	CB (EX.)	GRATE (EX)	3.57		**Raise Ex. CB grate to 4.08**
STA 4+37 / 15.0' L	17	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		**Demolish Ex MH 18**
STA 4+35 / 5.0' R	**18A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+36 / 15.0' R	19	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 7+44 / 15.0' L	21	CB (EX.)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	**21A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	**22A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.45**		
STA 7+45 / 15.0' R	23	CB (EX.)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	**23A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 5+90 / 15.0' R	**54**	**Type A CB**	**Type A Grate**	**4.00**		
STA 5+98 / 5.0' R	**55**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 5+90 / 15.0' L	**56**	**Type A - CB**	**Type A Grate**	**4.00**		
WASHINGTON PLACE						
STA 0+20 / 33.0' R	64	CB (EX.)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX.)	INLET (EX)		4.17	**Lower Inlet to 4.05**
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX.)	GRATE (EX)	3.28		**Raise Ex. CB grate to 4.00**
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		**Raise Ex. CB grate to 4.45**
STA 2+66 / 14.0' R	71	CB (EX.)	GRATE (EX)	3.27		**Raise Ex. CB grate to 4.00**
STA 2+66 / 4.5' L	72	CB (EX.)	GRATE (EX)	3.09		**Raise Ex. CB grate to 4.00**
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		**Raise Ex. CB grate to 4.42**
STA 2+69 / 14.0' L	74	CB (EX.)	GRATE (EX)	3.14		**Raise Ex. CB grate to 4.00**
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		**Raise MH Rim to 4.60**
STA 6+26 / 5.0' R	76	CB (EX.)	GRATE (EX)	3.12		**Demolish Ex CB 76**
STA 6+26 / 14.0' L	**76A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		**Raise Ex. MH Rim to 4.45**
STA 6+24 / 4.5' R	78	CB (EX.)	GRATE (EX)	2.81		**Demolish Ex CB 78**
STA 6+22 / 14.0' R	**78A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		**Raise Ex. MH Rim to 4.60**
STA 4+25 / 14.0' L	**81**	**Type A - CB**	**Type A Grate**	**4.00**		
STA 4+25 / 5.0' R	**82**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+17 / 14.0' R	**83**	**Type A - CB**	**Type A Grate**	**4.00**		
DRIVEWAY AND YARD DRAINS						
HAYES PLACE						
RES # 3139 E. Pkwy	**DDH1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDH2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.10**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1125	**DDH3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.50**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1133	**DDH4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1130	**DDH5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH6**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH7**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VAN BUREN PLACE						
RES # 1111	**DDV1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDV2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES #1126	**DDV3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1104	**DDV6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.30**		**Inv. 1.2 (N/S) - 8" PVC**
JACKSON PLACE						
RES # 3199 E. Pkwy	**DDJ1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ3**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1131	**DDJ4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 19	**DDJ5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ9**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1132	**DDJ10**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1106	**DDJ11**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1094	**DDJ12**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
WASHINGTON PLACE						
RES # 1107	**DDW1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1115	**DDW2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDW3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1127	**DDW4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 9	**DDW5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 7	**DDW6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 5	**DDW7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 12	**DDW8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1134	**DDW9**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1124	**DDW10**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VACANT	**DDW11**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Pipe Length	Pipe Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX)	20'	18" Dia		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX)	50'	18" Dia		
MH 1				0.15	(EX)
CB 50				**0.70**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 51				**0.55**	
CB 52				**0.70**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 51				**0.55**	
MH 51				**0.50**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 53				**0.10**	
CB 6A				**0.60**	
TO	**Class 5 - RCP**	**9'**	**15" Dia.**		
MH 53				**0.40**	
MH 53				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 4A				**-0.10**	
CB 4A				**-0.10**	
TO	**HDPE PIPE**	**30'**	**18" Dia.**		
OUTFALL 7A				**-0.30**	**AT BULKHEAD**
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX)	48'	18" Dia		
MH 8				-0.61	(EX)
CB 84				**0.60**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 85				**0.40**	
CB 86				**0.60**	
TO	**HDPE PIPE**	**7'**	**15" Dia.**		
MH 85				**0.40**	
MH 85				**0.30**	
TO	**HDPE PIPE**	**72'**	**18" Dia.**		
MH 87				**0.10**	
CB 12A				**0.40**	
TO	**HDPE PIPE**	**6'**	**15" Dia.**		
MH 87				**0.20**	
MH 87				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 11A				**-0.15**	
CB 11A				**-0.20**	
TO	**HDPE PIPE**	**58'**	**18" Dia.**		
OUTFALL 13A				**-0.40**	**AT BULKHEAD**
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX)	28'	18" Dia.		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX)	54'	18" Dia		
MH 14				-1.23	(EX)
CB 88				**0.50**	
TO	**HDPE PIPE**	**21'**	**15" Dia.**		
MH 89				**0.45**	
CB 90				**0.60**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 89				**0.45**	
MH 89				**0.40**	
TO	**HDPE PIPE**	**102'**	**18" Dia.**		
MH 18				**0.10**	
CB 19				0.70	(EX)
TO	**HDPE PIPE**	**5'**	**15" Dia.**		
MH 18A				**0.50**	
CB 17				**0.70**	
TO	**HDPE PIPE**	**16'**	**15" Dia.**		
MH 18A				**0.50**	
MH 18A				**0.00**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 55				**-0.40**	
CB 54				**0.40**	
TO	**HDPE PIPE**	**10'**	**15" Dia.**		
MH 55				**0.20**	
CB 56				**0.40**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 55				**0.20**	
MH 55				**-0.45**	
TO	**HDPE PIPE**	**142'**	**18" Dia.**		
MH 22A				**-0.80**	
CB 23A				**0.40**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 22A				**0.20**	
CB 21A				**0.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 22A				**0.20**	
MH 22A				**-0.85**	
TO	**HDPE PIPE**	**42'**	**18" Dia.**		
OUTFALL 24A				**-1.00**	**AT BULKHEAD**
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX)	38'	18" Dia.		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX)	16'	18" Dia.		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX)	6'	18" Dia.		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX)	200'	30" Dia		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX)	15'	18" Dia.		
MH 73				0.05	
CB 74				-0.40	
TO	RCP (EX)	4'	18" Dia.		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX)	52'	30" Dia		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX)	105'	30" Dia		
MH 82				-2.75	
CB 81				**0.30**	
TO	**HDPE PIPE**	**18'**	**15" Dia.**		
MH 82				**0.10**	
CB 83				**0.30**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 82				**0.10**	
MH 82				-2.75	
TO	RCP (EX)	198'	30" Dia		
MH 77				-3.80	(EX)
CB 76A				**-1.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 77				**-1.60**	
CB 78A				**-1.40**	
TO	**HDPE PIPE**	**6'**	**18" Dia.**		
MH 77				**-1.60**	
MH 77				-3.80	
TO	RCP (EX)	8'	30" Dia		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX)	38'	30" Dia		
OUTFALL 80				-3.35	**At bulkhead**

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER:	DRAWN BY:
SP	JEZ/FF
DESIGNED BY:	CHECKED BY:
JC	WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO. **3760**
DATE: **JUNE 2016**
SCALE: **1"=100'**
DRAWING NO. **G4**

Figure 3a. Areas of Potential Disturbance along Washington Place.

Figure 3b. Areas of Potential Disturbance along Hayes Place.

Figure 3c. Areas of Potential Disturbance along Van Buren Place.

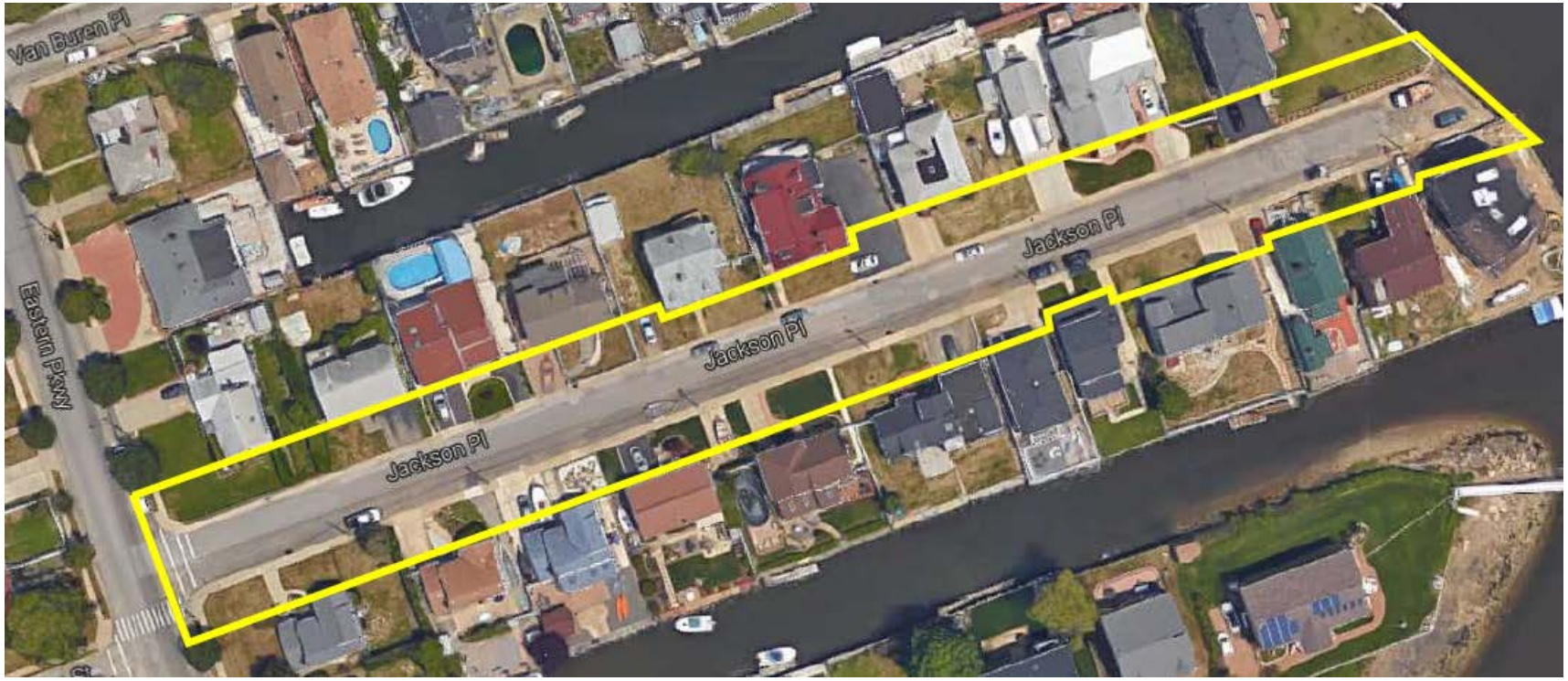


Figure 3d. Areas of Potential Disturbance along Jackson Place.

APPENDIX E
USFWS AND NYNHP
CORRESPONDENCE

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Long Island Field Office
340 Smith Road
Shirley, NY 11967
Phone: (631) 286-0485 Fax: (631) 286-4003
http://www.fws.gov/northeast/nyfo

To: Alicia Schultz Date: 3/21/2017

USFWS File No:

Regarding your: ☒ letter ☐ FAX ☒ E-mail dated: 12/27/2016

For project: East Baldwin Road Raising Project

Located:

In Town/County: Town of Hempstead, Nassau County

Pursuant to the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*), the U.S. Fish and Wildlife Service:

☒ Acknowledges receipt of your "no effect" determination. No further ESA coordination or consultation is required.

☐ Acknowledges receipt of your determination. Please provide copy of your determination and supporting materials to any involved Federal agency for their final ESA determination.

☐ Is taking no action pursuant to ESA or any other legislation at this time but would like to be kept informed of project developments.

As a reminder, until the proposed project is complete, we recommend that you check our website (http://www.fws.gov/northeast/nyfo/es/section7.htm) every 90 days from the date of this letter to ensure that listed species presence/absence information for the proposed project area is current. Should project plans change or additional information on listed or proposed species or critical habitat become available, this determination may be reconsidered.

Pursuant to the Fish and Wildlife Coordination Act (FWCA) (48 Stat. 401, as amended; 16 U.S.C. 661 *et seq.*),

☐ Requests additional time for review.

☐ Is providing FWCA comments (see attached).

☐ Will provide FWCA comments separately.

☐ Is taking no action pursuant to FWCA due to lack of funding.

☐ Has no objection pursuant to the FWCA.

☐ Is taking no action pursuant to the FWCA at this time but would like to be kept informed of project developments.

USFWS Contact(s): Date 3/21/2017

Supervisor: Date

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

December 27, 2016

Mr. Steven T. Papa
U.S. Fish and Wildlife Service
Long Island Field Office
340 Smith Road
Shirley, NY 11967

Re: Section 7 Project Review – No Effect Determination
East Baldwin Road Raising Project
Town of Hempstead, Nassau County, New York

Dear Mr. Papa:

The Governor's Office of Storm Recovery (GOSR), acting under the auspices of New York State Homes and Community Renewal's (HCR) Housing Trust Fund Corporation (HTFC), on behalf of the Department of Housing & Urban Development (HUD), is conducting an environmental review under HUD's environmental review regulations (24 CFR Part 58) and New York State's Environmental Quality Review Act (SEQRA) for the East Baldwin Road Raising Project, located in the Town of Hempstead, Nassau County, New York (see **Figure 1**). GOSR is acting as HUD's non-federal representative for the purposes of conducting consultation pursuant to Section 7 of the Endangered Species Act.

The purpose of this letter is to provide the U.S. Fish and Wildlife Service – Long Island 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 will 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 proposed project provided in this letter.

Program Overview:
In the community of East Baldwin within the Town of Hempstead, the streets of Washington Place, Hayes Place, Van Buren Place, and Jackson Place experienced severe tidal flooding during Hurricane Irene and Superstorm Sandy. Large sections of these streets are less than 1.5 feet of elevation above the National Geodetic Vertical Datum, making them susceptible to tidal flooding from the adjacent Milburn Creek and Baldwin Bay. Such tidal

flooding occurs on weekly and monthly bases, along with significant flooding when major rainstorms coincide with a high tide period. During the NY Rising Community Planning process, East Baldwin residents advocated for improvements to stormwater management and drainage systems to improve the resiliency of the community.

Area of Potential Effect:
The project will take place on four local roads: Washington Place, Hayes Place, Van Buren Place and Jackson Place located on the west side of the Milburn Creek and Baldwin Bay (see **Figure 1**).

Proposed Project Description:
Across the four local roadways, approximately 2,215 linear feet of residential street would be elevated. The intent of the proposed project is to elevate each roadway with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA's) 10-year still water level. At their western ends, the roadways would be sloped down to the level of Eastern Parkway; no construction is expected to take place within Eastern Parkway (See attached **Preliminary Site Plan**).

Compliance:
According to the USFWS IPaC Trust Resource Report and Official Species List, there are two endangered and four threatened species that have the potent to occur within the proposed project area: the endangered roseate tern (*Sterna dougallii dougallii*) and sandplain gerardia (*Agalinis acuta*); and the threatened piping plover (*Charadrius melodus*), red knot (*Calidris canutus rufa*), seabeach amaranth (*Amaranthus pumilus*), and northern long-eared bat (NLEB) (*Myotis septentrionalis*) (see attached **Official Species List** and **IPaC Trust Report**). In addition, there are several migratory birds of concern that could potentially occur within the proposed project area. The official species list for the proposed project indicated that there is no critical habitat in the project area.

A request for species records within the project area was sent to the New York State Natural Heritage Program (NYSNHP). A response was received on December 2, 2016 indicating that there are no records of rare or state-listed animals or plants, or significant natural communities at the project site or in its immediate vicinity (see attached **NYSNHP Response**).

Nassau County is listed as one of the U.S. counties within 150 miles of positive counties/districts experiencing White-Nose Syndrome per the Final 4(d) Rule. In addition, the site is not within 0.25 miles of known or assumed hibernacula for the NLEB, nor are there documented maternity roosts within 150 feet of the project site (see **Figure 2**). The project site is not within 5 miles of NLEB hibernacula. As the proposed project would not result in the removal of trees and the sites have been extensively disturbed, GOSR has determined that the proposed action will have No Effect on the roseate tern, sandplain gerardia, piping plover, red knot, seabeach amaranth, NLEB, or migratory birds.

Conclusion:
Project implementation would be conditioned upon issuance of applicable federal and state permits and would be constructed in accordance with federal and state permit conditions. The proposed project would not jeopardize the continued existence of ESA species or destroy or adversely modify their critical habitat. GOSR is submitting the above information as notification of its No Effect determination and requests acknowledgement from USFWS

that they have received this determination that the proposed project would have **No Effect** on endangered/threatened species, migratory birds, or critical habitat for species under USFWS jurisdiction.

If you have questions or require additional information regarding this request, please contact me at (212) 480-6265 or Matt.Accardi@stormrecovery.ny.gov.

Thank you for your time and consideration.

Sincerely,

Matt Accardi
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor, New York, NY 10004

Attachments:
Figure 1
Figure 2
Preliminary Site Plan
USFWS Official Species List
IPaC Trust Resources Report
NYSNHP Response

Figure 1

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Project Area.mxd

Project Area

Legend

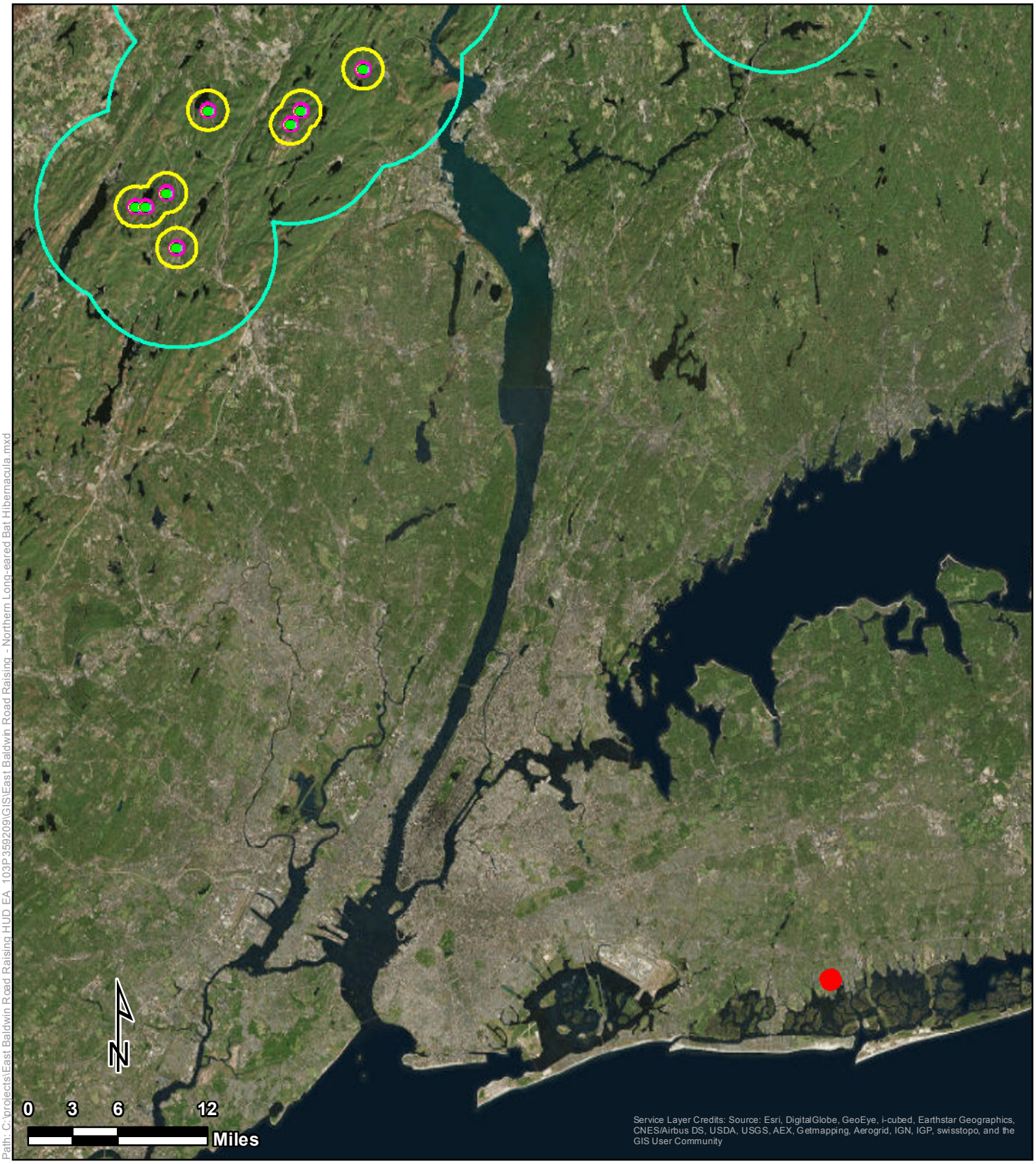
Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 1

Figure 2



Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Northern Long-eared Bat Hibernacula.mxd

Legend

- Project Area
- NLEB Hibernacula
- NLEB Hibernacula 0.25 Mile Buffer
- NLEB Hibernacula 1 Mile Buffer
- NLEB Hibernacula 5 Mile Buffer

Northern Long-eared Bat Hibernacula

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 2

Preliminary Site Plan

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
HAYES PLACE						
STA 0+24 / 28.0' L	1	MH (EX.)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.30		**Raise Ex. CB grate to 4.10**
STA 0+76 / 15.0' R	3	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.29		**Raise Ex. CB grate to 4.10**
STA 4+52 /15.0' L	4	CB (EX.)	GRATE (EX)	2.31		**Demolish Ex CB 4**
STA 4+52 /15.0' L	**4A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.15**		
STA 4+46 / 8.0' R	5	MH (EX.)	COVER / RIM	2.60		**Demolish Ex MH 5**
STA 4+46 / 7.0' R	**53**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.50**		
STA 4+47 / 15.0' R	6	CB (EX.)	GRATE (EX)	2.39		**Demolish Ex CB 6**
STA 4+52 / 15.0' R	**6A**	**Type A - CB**	**Type A Grate**	**4.15**		
STA 2+85 / 15.0' R	**50**	**Type A - CB**	**Type A Grate**	**4.10**		
STA 2+90 / 7.0' R	**51**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.55**		
STA 2+85 / 15.0' L	**52**	**Type A - CB**	**Type A Grate**	**4.10**		
VAN BUREN PLACE						
STA 0+29 / 9.0' R	8	MH (EX.)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX.)	INLET (EX)		3.50	**Alter CB / Raise Inlet to 4.13**
STA 0+80 / 15.0' R	10	CB (EX.)	GRATE (EX)	3.54		**Raise Ex. CB grate to 4.10**
STA 3+42 / 15.0' L	11	CB (EX.)	GRATE (EX)	2.68		**Demolish Ex CB 11**
STA 3+42 / 15.0' L	**11A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.12**		
STA 3+42 / 15.0' R	12	CB (EX.)	GRATE (EX)	2.78		**Demolish Ex CB 12**
STA 3+42 / 15.0' L	**12A**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+60 / 15.0' L	**84**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+67 / 6.0' R	**85**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
STA 2+60 / 15.0' R	**86**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 3+37 / 6.0' R	**87**	**Type A - MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
JACKSON PLACE						
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX.)	INLET (EX)		3.42	**Alter CB / Raise Inlet to 4.08**
STA 0+84 / 15.0' R	16	CB (EX.)	GRATE (EX)	3.57		**Raise Ex. CB grate to 4.08**
STA 4+37 / 15.0' L	17	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		**Demolish Ex MH 18**
STA 4+35 / 5.0' R	**18A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+36 / 15.0' R	19	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 7+44 / 15.0' L	21	CB (EX.)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	**21A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	**22A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.45**		
STA 7+45 / 15.0' R	23	CB (EX.)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	**23A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 5+90 / 15.0' R	**54**	**Type A CB**	**Type A Grate**	**4.00**		
STA 5+98 / 5.0' R	**55**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 5+90 / 15.0' L	**56**	**Type A - CB**	**Type A Grate**	**4.00**		
WASHINGTON PLACE						
STA 0+20 / 33.0' R	64	CB (EX.)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX.)	INLET (EX)		4.17	**Lower Inlet to 4.05**
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX.)	GRATE (EX)	3.28		**Raise Ex. CB grate to 4.00**
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		**Raise Ex. CB grate to 4.45**
STA 2+66 / 14.0' R	71	CB (EX.)	GRATE (EX)	3.27		**Raise Ex. CB grate to 4.00**
STA 2+66 / 4.5' L	72	CB (EX.)	GRATE (EX)	3.09		**Raise Ex. CB grate to 4.00**
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		**Raise Ex. CB grate to 4.42**
STA 2+69 / 14.0' L	74	CB (EX.)	GRATE (EX)	3.14		**Raise Ex. CB grate to 4.00**
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		**Raise MH Rim to 4.60**
STA 6+26 / 5.0' R	76	CB (EX.)	GRATE (EX)	3.12		**Demolish Ex CB 76**
STA 6+26 / 14.0' L	**76A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		**Raise Ex. MH Rim to 4.45**
STA 6+24 / 4.5' R	78	CB (EX.)	GRATE (EX)	2.81		**Demolish Ex CB 78**
STA 6+22 / 14.0' R	**78A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		**Raise Ex. MH Rim to 4.60**
STA 4+25 / 14.0' L	**81**	**Type A - CB**	**Type A Grate**	**4.00**		
STA 4+25 / 5.0' R	**82**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+17 / 14.0' R	**83**	**Type A - CB**	**Type A Grate**	**4.00**		
DRIVEWAY AND YARD DRAINS						
HAYES PLACE						
RES # 3139 E. Pkwy	**DDH1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDH2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.10**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1125	**DDH3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.50**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1133	**DDH4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1130	**DDH5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH6**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH7**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VAN BUREN PLACE						
RES # 1111	**DDV1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDV2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES #1126	**DDV3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1104	**DDV6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.30**		**Inv. 1.2 (N/S) - 8" PVC**
JACKSON PLACE						
RES # 3199 E. Pkwy	**DDJ1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ3**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1131	**DDJ4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 19	**DDJ5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ9**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1132	**DDJ10**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1106	**DDJ11**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1094	**DDJ12**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
WASHINGTON PLACE						
RES # 1107	**DDW1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1115	**DDW2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDW3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1127	**DDW4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 9	**DDW5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 7	**DDW6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 5	**DDW7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 12	**DDW8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1134	**DDW9**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1124	**DDW10**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VACANT	**DDW11**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Pipe Length	Pipe Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX)	20'	18" Dia		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX)	50'	18" Dia		
MH 1				0.15	(EX)
CB 50				**0.70**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 51				**0.55**	
CB 52				**0.70**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 51				**0.55**	
MH 51				**0.50**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 53				**0.10**	
CB 6A				**0.60**	
TO	**Class 5 - RCP**	**9'**	**15" Dia.**		
MH 53				**0.40**	
MH 53				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 4A				**-0.10**	
CB 4A				**-0.10**	
TO	**HDPE PIPE**	**30'**	**18" Dia.**		
OUTFALL 7A				**-0.30**	**AT BULKHEAD**
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX)	48'	18" Dia		
MH 8				-0.61	(EX)
CB 84				**0.60**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 85				**0.40**	
CB 86				**0.60**	
TO	**HDPE PIPE**	**7'**	**15" Dia.**		
MH 85				**0.40**	
MH 85				**0.30**	
TO	**HDPE PIPE**	**72'**	**18" Dia.**		
MH 87				**0.10**	
CB 12A				**0.40**	
TO	**HDPE PIPE**	**6'**	**15" Dia.**		
MH 87				**0.20**	
MH 87				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 11A				**-0.15**	
CB 11A				**-0.20**	
TO	**HDPE PIPE**	**58'**	**18" Dia.**		
OUTFALL 13A				**-0.40**	**AT BULKHEAD**
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX)	54'	18" Dia		
MH 14				-1.23	(EX)
CB 88				**0.50**	
TO	**HDPE PIPE**	**21'**	**15" Dia.**		
MH 89				**0.45**	
CB 90				**0.60**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 89				**0.45**	
MH 89				**0.40**	
TO	**HDPE PIPE**	**102'**	**18" Dia.**		
MH 18				**0.10**	
CB 19				0.70	(EX)
TO	**HDPE PIPE**	**5'**	**15" Dia.**		
MH 18A				**0.50**	
CB 17				0.70	
TO	**HDPE PIPE**	**16'**	**15" Dia.**		
MH 18A				**0.50**	
MH 18A				**0.00**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 55				**-0.40**	
CB 54				**0.40**	
TO	**HDPE PIPE**	**10'**	**15" Dia.**		
MH 55				**0.20**	
CB 56				**0.40**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 55				**0.20**	
MH 55				**-0.45**	
TO	**HDPE PIPE**	**142'**	**18" Dia.**		
MH 22A				**-0.80**	
CB 23A				**0.40**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 22A				**0.20**	
CB 21A				**0.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 22A				**0.20**	
MH 22A				**-0.85**	
TO	**HDPE PIPE**	**42'**	**18" Dia.**		
OUTFALL 24A				**-1.00**	**AT BULKHEAD**
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX)	38'	18" Dia.		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX)	16'	18" Dia.		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX)	6'	18" Dia.		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX)	200'	30" Dia		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX)	15'	18" Dia.		
MH 73				0.05	
CB 74				-0.40	
TO	RCP (EX)	4'	18" Dia.		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX)	52'	30" Dia.		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX)	105'	30" Dia.		
MH 82				-2.75	
CB 81				**0.30**	
TO	**HDPE PIPE**	**18'**	**15" Dia.**		
MH 82				**0.10**	
CB 83				**0.30**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 82				**0.10**	
MH 82				-2.75	
TO	RCP (EX)	198'	30" Dia.		
MH 77				-3.80	(EX)
CB 76A				**-1.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 77				**-1.60**	
CB 78A				**-1.40**	
TO	**HDPE PIPE**	**6'**	**18" Dia.**		
MH 77				**-1.60**	
MH 77				-3.80	
TO	RCP (EX)	8'	30" Dia.		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX)	38'	30" Dia.		
OUTFALL 80				-3.35	**At bulkhead**

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER:	DRAWN BY:
SP	JEZ/FF
DESIGNED BY:	CHECKED BY:
JC	WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO. **3760**
DATE: **JUNE 2016**
SCALE: **1"=100'**
DRAWING NO. **G4**

USFWS Official Species List

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Long Island Ecological Services Field Office
340 SMITH ROAD
SHIRLEY, NY 11967
PHONE: (631)286-0485 FAX: (631)286-4003

Consultation Code: 05E1LI00-2017-SLI-0047 November 16, 2016
Event Code: 05E1LI00-2017-E-00048
Project Name: East Baldwin Road Raising

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

United States Department of Interior
Fish and Wildlife Service

Project name: East Baldwin Road Raising

Official Species List

Provided by:

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

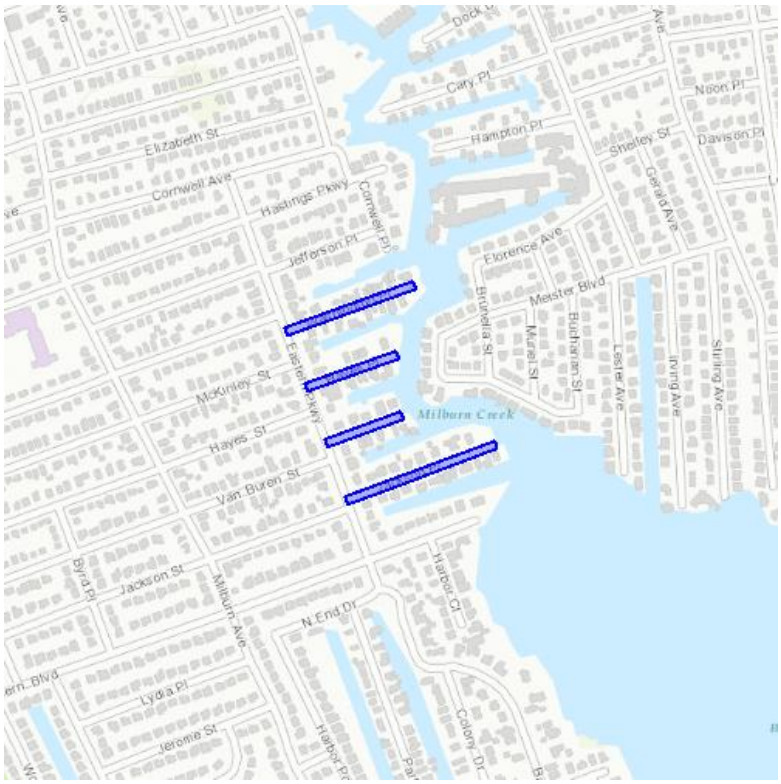
Consultation Code: 05E1LI00-2017-SLI-0047
Event Code: 05E1LI00-2017-E-00048

Project Type: ** OTHER **

Project Name: East Baldwin Road Raising
Project Description: The Town of Hempstead proposes to raise bulkheads and to raise approximately 2,215 linear feet of residential streets along Washington Place, Hayes Place, Van Buren Place and Jackson Place on the west side of the Milburn Creek and Baldwin Bay in the Hamlet of Baldwin.

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 (((-73.59829476181648 40.633718322110155, -73.59887382237747 40.63355313557145, -73.59892435947944 40.63365595533162, -73.59630691712584 40.634385094515835, -73.59625671927631 40.634282178205694, -73.59829476181648 40.633718322110155)), ((-73.59789826027571 40.63467291093241, -73.59923371392648 40.63430563848476, -73.59928264974758 40.63440890696404, -73.59794719430738 40.63477617997103, -73.59789826027571 40.63467291093241)), ((-73.59798369560929 40.63549200705239, -73.59958551271819 40.6350510982972, -73.59963448731946 40.63515435624288, -73.59803266806489 40.63559526566934, -73.59798369560929 40.63549200705239)), ((-73.59767742744913 40.63642198074638, -73.59994651683564 40.635800163038255, -73.59999530138379 40.63590347331984, -73.59772620895211 40.63652529197543, -73.59767742744913 40.63642198074638)))

Project Counties: Nassau, 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.

Birds	**Status**	**Has Critical Habitat**	**Condition(s)**
Piping Plover *(Charadrius melodus)* Population: except Great Lakes watershed	Threatened	Final designated	
Red Knot *(Calidris canutus rufa)* Population: Wherever found	Threatened		
Roseate tern *(Sterna dougallii dougallii)* Population: northeast U.S. nesting pop.	Endangered		
Flowering Plants			
Sandplain gerardia *(Agalinis acuta)* Population: Wherever found	Endangered		
Seabeach amaranth *(Amaranthus pumilus)* Population: Wherever found	Threatened		
Mammals			
Northern long-eared Bat *(Myotis septentrionalis)* Population: Wherever found	Threatened		

Critical habitats that lie within your project area

There are no critical habitats within your project area.

IPaC Trust Resources Report

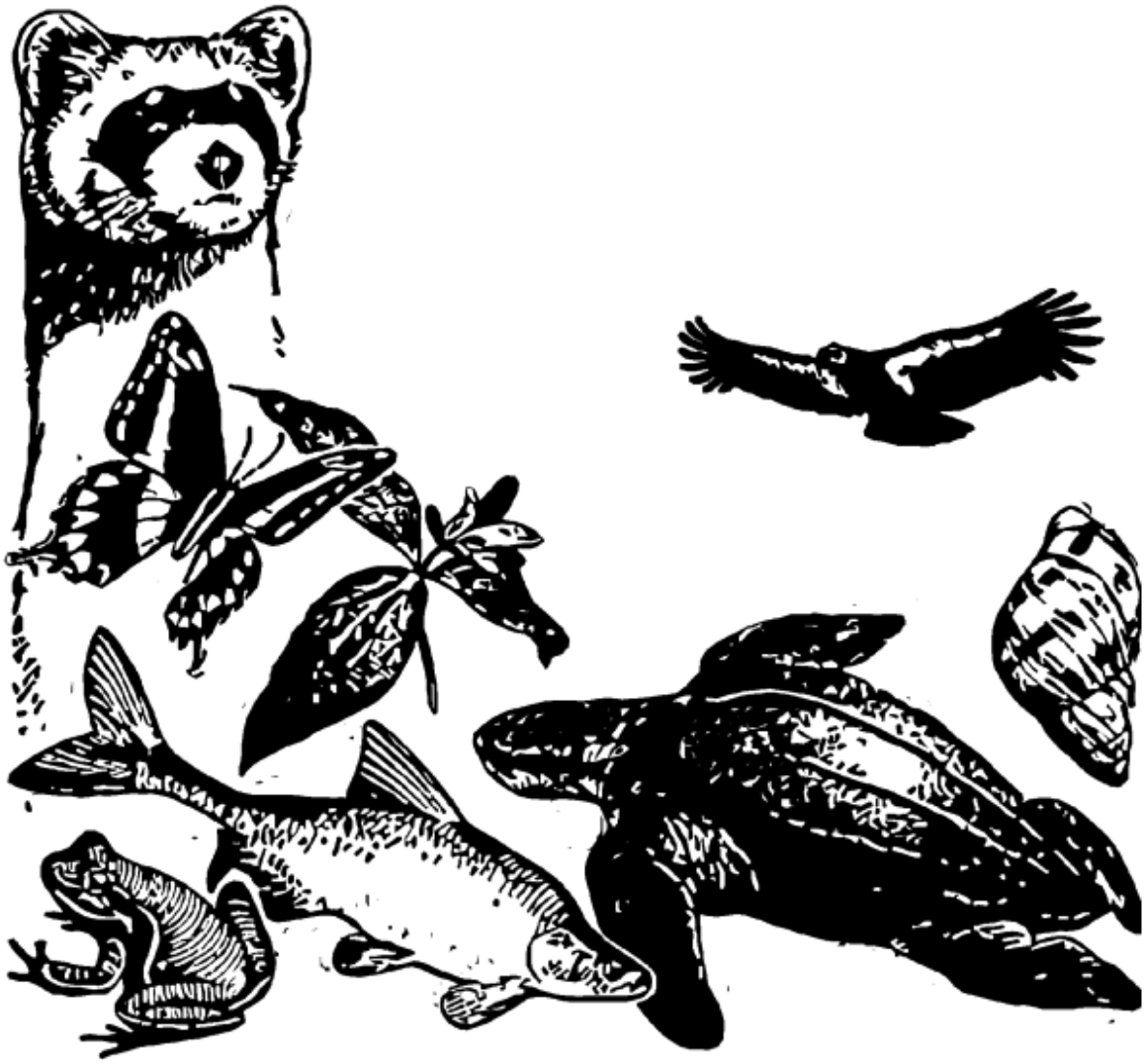
U.S. Fish & Wildlife Service

East Baldwin Road Raising

IPaC Trust Resources Report

Generated November 16, 2016 12:13 PM MST, IPaC v3.0.9

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.



IPaC - Information for Planning and Conservation (https://ecos.fws.gov/ipac/): A project planning tool to help streamline the U.S. Fish & Wildlife Service environmental review process.

Table of Contents

IPaC Trust Resources Report 1
Project Description 1
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Refuges & Hatcheries 7
Wetlands 8

U.S. Fish & Wildlife Service

IPaC Trust Resources Report

NAME

East Baldwin Road Raising

LOCATION

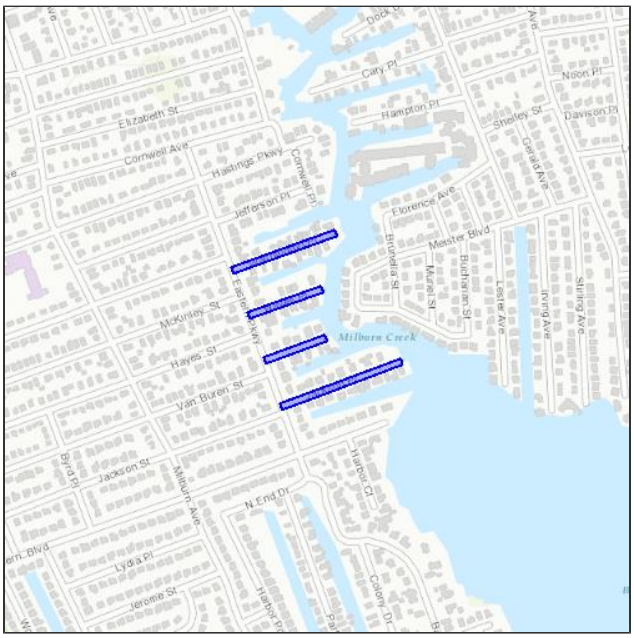
Nassau County, New York

DESCRIPTION

The Town of Hempstead proposes to raise bulkheads and to raise approximately 2,215 linear feet of residential streets along Washington Place, Hayes Place, Van Buren Place and Jackson Place on the west side of the Milburn Creek and Baldwin Bay in the Hamlet of Baldwin.

IPAC LINK

https://ecos.fws.gov/ipac/project/ESJC7-3KAP5-HKTEF-KY2NF-KFRMPI



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 — Threatened

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B079

Red Knot Calidris canutus rufa — Threatened

CRITICAL HABITAT
No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0DM

Roseate Tern Sterna dougallii dougallii — Endangered

CRITICAL HABITAT
No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B07O

Flowering Plants

Sandplain Gerardia Agalinis acuta

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q24K

Seabeach Amaranth Amaranthus pumilus

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q2MZ

Mammals

Northern Long-eared Bat Myotis septentrionalis

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

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
  http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Conservation measures for birds
  http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- 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 — Bird of conservation concern
On Land Season: Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G8

American Bittern Botaurus lentiginosus — Bird of conservation concern
On Land Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle Haliaeetus leucocephalus — Bird of conservation concern
On Land Season: Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Skimmer Rynchops niger — Bird of conservation concern
On Land Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0EO

Black-billed Cuckoo Coccyzus erythropthalmus — Bird of conservation concern
On Land Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler Vermivora pinus — Bird of conservation concern
On Land Season: Breeding

Canada Warbler Wilsonia canadensis — Bird of conservation concern
On Land Season: Breeding

Fox Sparrow Passerella iliaca — Bird of conservation concern
On Land Season: Wintering

Gull-billed Tern Gelochelidon nilotica — Bird of conservation concern
On Land Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JV

Hudsonian Godwit Limosa haemastica — Bird of conservation concern
At Sea Season: Migrating

Least Bittern Ixobrychus exilis
On Land Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Least Tern Sterna antillarum — Bird of conservation concern
On Land Season: Breeding

Marbled Godwit Limosa fedoa — Bird of conservation concern
On Land Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JL

Peregrine Falcon Falco peregrinus — Bird of conservation concern
On Land Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe Podilymbus podiceps — Bird of conservation concern
On Land Season: Year-round

Prairie Warbler Dendroica discolor — Bird of conservation concern
On Land Season: Breeding

Purple Sandpiper Calidris maritima — Bird of conservation concern
On Land Season: Wintering

Red Knot Calidris canutus rufa — Bird of conservation concern
On Land Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0DM

Rusty Blackbird Euphagus carolinus — Bird of conservation concern
On Land Season: Wintering

Saltmarsh Sparrow Ammodramus caudacutus — Bird of conservation concern
On Land Season: Breeding

Seaside Sparrow Ammodramus maritimus — Bird of conservation concern
On Land Season: Year-round

Short-eared Owl Asio flammeus — Bird of conservation concern

On Land Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Snowy Egret Egretta thula — Bird of conservation concern

On Land Season: Breeding

Upland Sandpiper Bartramia longicauda — Bird of conservation concern

On Land Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher Empidonax traillii — Bird of conservation concern

On Land Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush Hylocichla mustelina — Bird of conservation concern

On Land Season: Breeding

Worm Eating Warbler Helmitheros vermivorum — Bird of conservation concern

On Land 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 tuberficid 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.

NYSNHP Response

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Fish & Wildlife
New York Natural Heritage Program
625 Broadway, 5th Floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • **Fax:** (518) 402-8925
Website: www.dec.ny.gov

December 02, 2016

Matt Accardi
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

Re: East Baldwin Road Raising Project, Village of Baldwin
Town/City: Hempstead County: Nassau

Dear Matt Accardi:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

We have no records of concern of rare or state-listed animals or plants, or significant natural communities at the project site or in its immediate vicinity.

The absence of data does not necessarily mean that rare or state-listed species, significant natural communities, or other significant habitats do not exist on or adjacent to the proposed site. Rather, our files currently do not contain information that indicates their presence. For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities, and other significant habitats maintained in the Natural Heritage Database. Your project may require additional review or permits; for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 1 Office, Division of Environmental Permits, as listed at www.dec.ny.gov/about/39381.html.

Sincerely,

Nicholas Conrad
Information Resources Coordinator
New York Natural Heritage Program

1482

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Fish & Wildlife
New York Natural Heritage Program
625 Broadway, 5th Floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • **Fax:** (518) 402-8925
Website: www.dec.ny.gov

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Governor's Office of Storm Recovery
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New York, NY 10004

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Sincerely,

Nicholas Conrad
Information Resources Coordinator
New York Natural Heritage Program

1482

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

November 21, 2016

Mr. Nicholas Conrad
New York State Department of Environmental Conservation
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program – Information Services
625 Broadway, 5th Floor
Albany, New York 12233-4757

Re: Natural Heritage Compliance Process for the East Baldwin Road Raising Project, Village of Baldwin, Nassau County, New York

Dear Mr. Conrad:

The Governor's Office of Storm Recovery (GOSR), acting under the auspices of New York State Homes and Community Renewal's (HCR) Housing Trust Fund Corporation (HTFC), on behalf of the Department of Housing & Urban Development (HUD), is conducting an environmental review under HUD's environmental review regulations (24 CFR Part 58) and New York State's Environmental Quality Review Act (SEQRA) for the East Baldwin Road Raising Project, located in the Village of Baldwin, Nassau County, New York (see **Figure 1**).

The purpose of this letter is to provide the New York State Department of Environmental Conservation (DEC) Natural Heritage Program (NYNHP) notice of the Proposed Action and determine whether the Proposed Action has the potential to impact any state or federal endangered, threatened, or rare species or significant natural communities.

In the Community of East Baldwin, the streets of Washington Place, Hayes Place, Van Buren Place, and Jackson Place experienced severe tidal flooding during Hurricane Irene and Superstorm Sandy. Large sections of these streets are less than 1.5 feet of elevation above the National Geodetic Vertical Datum, making them susceptible to tidal flooding from the adjacent Milburn Creek and Baldwin Bay. Such tidal flooding occurs on weekly and monthly bases, along with significant flooding when major rainstorms coincide with a high tide period. During the NY Rising Community Reconstruction planning process, village residents advocated for improvements to stormwater management and drainage systems to improve the resiliency of the Village of East Baldwin.

The proposed project would take place on four local roads: Washington Place, Hayes Place, Van Buren Place and Jackson Place on the west side of the Milburn Creek and Baldwin Bay (see **Figure 1**). Across the four local roads, approximately 2,215 linear feet of residential street would be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA's) 10-year still water level. At their

western ends, the streets would be sloped down to the level of Eastern Parkway. There would be no construction in Eastern Parkway (see attached **Preliminary Site Plan**).

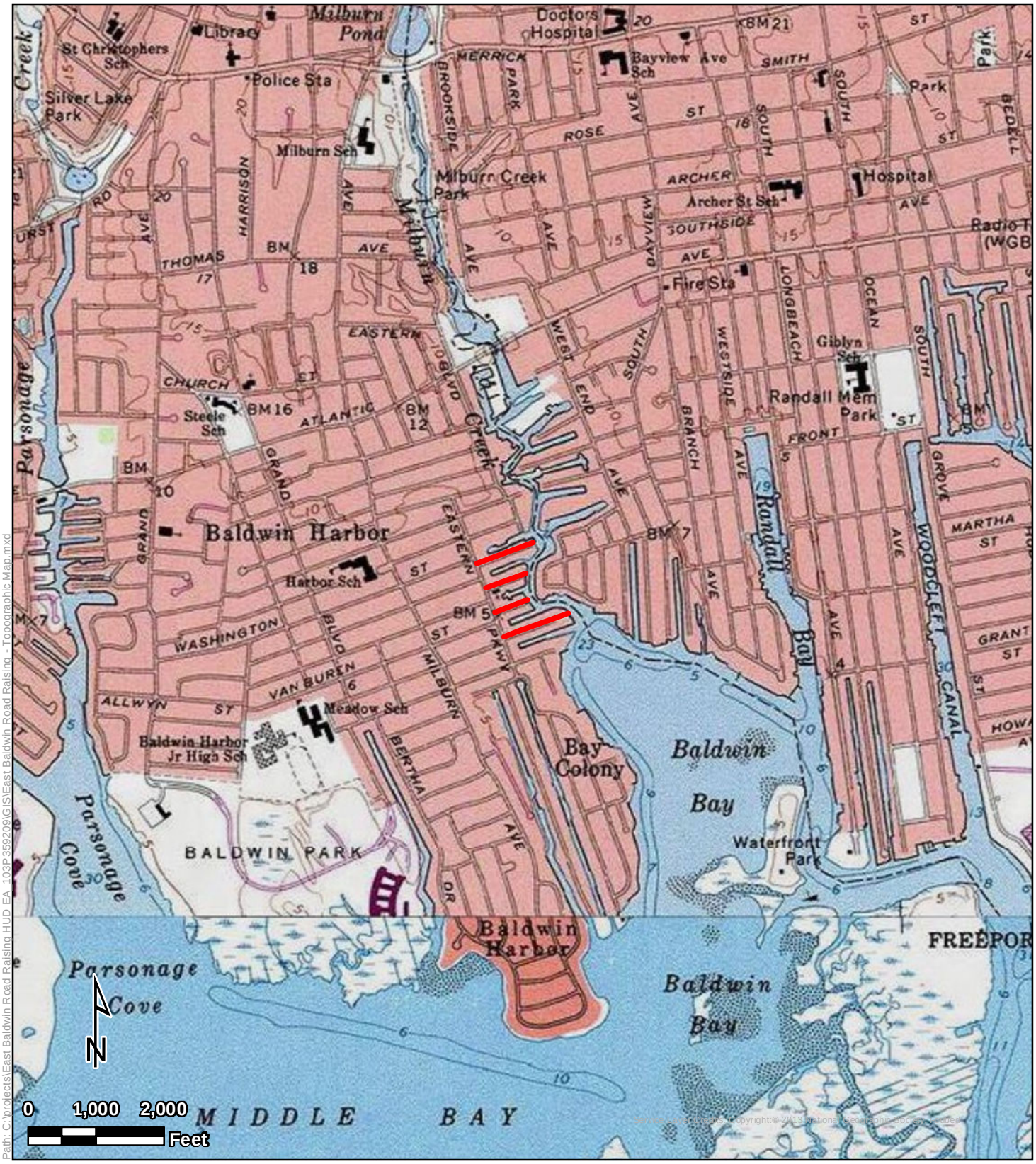
According to information reviewed from the New York State Environmental Resource Mapper (ERM), the southern portion of the project area (Jackson Place) is within a half mile of significant natural communities, although no rare plants or animals exist within the project area (see attached **Figure 2**). GOSR is contacting your office for assistance in identifying the potential presence of any rare or federal and/or state threatened, endangered, proposed or candidate species in the vicinity of the proposed projects. In addition, information regarding the presence of any other species or habitats of special concern in the vicinity of the proposed projects is also requested.

If you have questions or require additional information regarding this request, please contact me at (212) 480-6265 or Matt.Accardi@stormrecovery.ny.gov. Thank you for your time and consideration.

Sincerely,

Matt Accardi
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

Attachments:
- Figure 1
- Figure 2
- Preliminary Site Plan



Topographic Map

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 1

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Topographic Map.mxd

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Environmental Resource Mapper

Base Map: Topographical

Search
Tools
Layers and Legend
Other Wetland Layers
Reference Layers
Tell Me More...
Need A Permit?
Contacts

Figure 2

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
HAYES PLACE						
STA 0+24 / 28.0' L	1	MH (EX.)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.30		**Raise Ex. CB grate to 4.10**
STA 0+76 / 15.0' R	3	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.29		**Raise Ex. CB grate to 4.10**
STA 4+52 /15.0' L	4	CB (EX.)	GRATE (EX)	2.31		**Demolish Ex CB 4**
STA 4+52 /15.0' L	**4A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.15**		
STA 4+46 / 8.0' R	5	MH (EX.)	COVER / RIM	2.60		**Demolish Ex MH 5**
STA 4+46 / 7.0' R	**53**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.50**		
STA 4+47 / 15.0' R	6	CB (EX.)	GRATE (EX)	2.39		**Demolish Ex CB 6**
STA 4+52 / 15.0' R	**6A**	**Type A - CB**	**Type A Grate**	**4.15**		
STA 2+85 / 15.0' R	**50**	**Type A - CB**	**Type A Grate**	**4.10**		
STA 2+90 / 7.0' R	**51**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.55**		
STA 2+85 / 15.0' L	**52**	**Type A - CB**	**Type A Grate**	**4.10**		
VAN BUREN PLACE						
STA 0+29 / 9.0' R	8	MH (EX.)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX.)	INLET (EX)		3.50	**Alter CB / Raise Inlet to 4.13**
STA 0+80 / 15.0' R	10	CB (EX.)	GRATE (EX)	3.54		**Raise Ex. CB grate to 4.10**
STA 3+42 / 15.0' L	11	CB (EX.)	GRATE (EX)	2.68		**Demolish Ex CB 11**
STA 3+42 / 15.0' L	**11A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.12**		
STA 3+42 / 15.0' R	12	CB (EX.)	GRATE (EX)	2.78		**Demolish Ex CB 12**
STA 3+42 / 15.0' L	**12A**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+60 / 15.0' L	**84**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+67 / 6.0' R	**85**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
STA 2+60 / 15.0' R	**86**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 3+37 / 6.0' R	**87**	**Type A - MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
JACKSON PLACE						
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX.)	INLET (EX)		3.42	**Alter CB / Raise Inlet to 4.08**
STA 0+84 / 15.0' R	16	CB (EX.)	GRATE (EX)	3.57		**Raise Ex. CB grate to 4.08**
STA 4+37 / 15.0' L	17	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		**Demolish Ex MH 18**
STA 4+35 / 5.0' R	**18A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+36 / 15.0' R	19	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 7+44 / 15.0' L	21	CB (EX.)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	**21A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	**22A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.45**		
STA 7+45 / 15.0' R	23	CB (EX.)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	**23A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 5+90 / 15.0' R	**54**	**Type A CB**	**Type A Grate**	**4.00**		
STA 5+98 / 5.0' R	**55**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 5+90 / 15.0' L	**56**	**Type A - CB**	**Type A Grate**	**4.00**		
WASHINGTON PLACE						
STA 0+20 / 33.0' R	64	CB (EX.)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX.)	INLET (EX)		4.17	**Lower Inlet to 4.05**
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX.)	GRATE (EX)	3.28		**Raise Ex. CB grate to 4.00**
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		**Raise Ex. CB grate to 4.45**
STA 2+66 / 14.0' R	71	CB (EX.)	GRATE (EX)	3.27		**Raise Ex. CB grate to 4.00**
STA 2+66 / 4.5' L	72	CB (EX.)	GRATE (EX)	3.09		**Raise Ex. CB grate to 4.00**
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		**Raise Ex. CB grate to 4.42**
STA 2+69 / 14.0' L	74	CB (EX.)	GRATE (EX)	3.14		**Raise Ex. CB grate to 4.00**
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		**Raise MH Rim to 4.60**
STA 6+26 / 5.0' R	76	CB (EX.)	GRATE (EX)	3.12		**Demolish Ex CB 76**
STA 6+26 / 14.0' L	**76A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		**Raise Ex. MH Rim to 4.45**
STA 6+24 / 4.5' R	78	CB (EX.)	GRATE (EX)	2.81		**Demolish Ex CB 78**
STA 6+22 / 14.0' R	**78A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		**Raise Ex. MH Rim to 4.60**
STA 4+25 / 14.0' L	**81**	**Type A - CB**	**Type A Grate**	**4.00**		
STA 4+25 / 5.0' R	**82**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+17 / 14.0' R	**83**	**Type A - CB**	**Type A Grate**	**4.00**		
DRIVEWAY AND YARD DRAINS						
HAYES PLACE						
RES # 3139 E. Pkwy	**DDH1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDH2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.10**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1125	**DDH3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.50**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1133	**DDH4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1130	**DDH5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH6**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH7**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VAN BUREN PLACE						
RES # 1111	**DDV1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDV2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES #1126	**DDV3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1104	**DDV6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.30**		**Inv. 1.2 (N/S) - 8" PVC**
JACKSON PLACE						
RES # 3199 E. Pkwy	**DDJ1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ3**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1131	**DDJ4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 19	**DDJ5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ9**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1132	**DDJ10**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1106	**DDJ11**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1094	**DDJ12**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
WASHINGTON PLACE						
RES # 1107	**DDW1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1115	**DDW2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDW3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1127	**DDW4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 9	**DDW5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 7	**DDW6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 5	**DDW7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 12	**DDW8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1134	**DDW9**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1124	**DDW10**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VACANT	**DDW11**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Pipe Length	Pipe Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX)	20'	18" Dia		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX)	50'	18" Dia		
MH 1				0.15	(EX)
CB 50				**0.70**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 51				**0.55**	
CB 52				**0.70**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 51				**0.55**	
MH 51				**0.50**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 53				**0.10**	
CB 6A				**0.60**	
TO	**Class 5 - RCP**	**9'**	**15" Dia.**		
MH 53				**0.40**	
MH 53				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 4A				**-0.10**	
CB 4A				**-0.10**	
TO	**HDPE PIPE**	**30'**	**18" Dia.**		
OUTFALL 7A				**-0.30**	**AT BULKHEAD**
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX)	48'	18" Dia		
MH 8				-0.61	(EX)
CB 84				**0.60**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 85				**0.40**	
CB 86				**0.60**	
TO	**HDPE PIPE**	**7'**	**15" Dia.**		
MH 85				**0.40**	
MH 85				**0.30**	
TO	**HDPE PIPE**	**72'**	**18" Dia.**		
MH 87				**0.10**	
CB 12A				**0.40**	
TO	**HDPE PIPE**	**6'**	**15" Dia.**		
MH 87				**0.20**	
MH 87				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 11A				**-0.15**	
CB 11A				**-0.20**	
TO	**HDPE PIPE**	**58'**	**18" Dia.**		
OUTFALL 13A				**-0.40**	**AT BULKHEAD**
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX)	54'	18" Dia		
MH 14				-1.23	(EX)
CB 88				**0.50**	
TO	**HDPE PIPE**	**21'**	**15" Dia.**		
MH 89				**0.45**	
CB 90				**0.60**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 89				**0.45**	
MH 89				**0.40**	
TO	**HDPE PIPE**	**102'**	**18" Dia.**		
MH 18				**0.10**	
CB 19				0.70	(EX)
TO	**HDPE PIPE**	**5'**	**15" Dia.**		
MH 18A				**0.50**	
CB 17				0.70	
TO	**HDPE PIPE**	**16'**	**15" Dia.**		
MH 18A				**0.50**	
MH 18A				**0.00**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 55				**-0.40**	
CB 54				**0.40**	
TO	**HDPE PIPE**	**10'**	**15" Dia.**		
MH 55				**0.20**	
CB 56				**0.40**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 55				**0.20**	
MH 55				**-0.45**	
TO	**HDPE PIPE**	**142'**	**18" Dia.**		
MH 22A				**-0.80**	
CB 23A				**0.40**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 22A				**0.20**	
CB 21A				**0.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 22A				**0.20**	
MH 22A				**-0.85**	
TO	**HDPE PIPE**	**42'**	**18" Dia.**		
OUTFALL 24A				**-1.00**	**AT BULKHEAD**
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX)	38'	18" Dia.		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX)	16'	18" Dia.		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX)	6'	18" Dia.		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX)	200'	30" Dia		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX)	15'	18" Dia.		
MH 73				0.05	
CB 74				-0.40	
TO	RCP (EX)	4'	18" Dia.		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX)	52'	30" Dia.		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX)	105'	30" Dia.		
MH 82				-2.75	
CB 81				**0.30**	
TO	**HDPE PIPE**	**18'**	**15" Dia.**		
MH 82				**0.10**	
CB 83				**0.30**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 82				**0.10**	
MH 82				-2.75	
TO	RCP (EX)	198'	30" Dia.		
MH 77				-3.80	(EX)
CB 76A				**-1.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 77				**-1.60**	
CB 78A				**-1.40**	
TO	**HDPE PIPE**	**6'**	**18" Dia.**		
MH 77				**-1.60**	
MH 77				-3.80	
TO	RCP (EX)	8'	30" Dia.		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX)	38'	30" Dia.		
OUTFALL 80				-3.35	**At bulkhead**

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER:	DRAWN BY:
SP	JEZ/FF
DESIGNED BY:	CHECKED BY:
JC	WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO. **3760**
DATE: **JUNE 2016**
SCALE: **1"=100'**
DRAWING NO. **G4**

APPENDIX F
SHPO CORRESPONDENCE

NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

March 15, 2017

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

Re: HTF/ GOSR/ NY Rising Program- East Baldwin Road Raising Project
1093 Washington Place to 1160 Jackson Place, Hempstead(Baldwin),
Nassau County
17PR01612

Dear Ms. Barthelme:

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 there will be No Historic Properties Affected by the proposed undertaking.

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

L Moss

Larry K Moss, Historic Preservation Technical Specialist

CC: Matt Accardi

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

March 10, 2017

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 the East Baldwin Road Raising Project, 1093 Washington Place to 1160 Jackson Place, Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

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. A consultation request for the project described herein will also be sent to the Tribal Historic Preservation Offices for the Delaware Nation, Delaware Tribe of Indians, Mohawk Nation, Shinnecock Nation, Stockbridge-Munsee Community Band of Mohicans, and Unkechaug Indian Nation. 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.

Proposed Project Description: GOSR proposes to fund an application to elevate one-block sections of four neighboring streets by 6 to 24 inches, in the vicinity of Lat. 40.6349231°, Long. -73.5982643°, Village of Baldwin, Town of Hempstead, Nassau County, New York. The Project will make improvements to the roadways of Washington Place, Hayes Place, Van Buren Place, and Jackson Place between Eastern Parkway and Millburn Creek. These improvements will enhance the resiliency of the surrounding neighborhood by reducing the vulnerability of the streets to flooding. A map showing the location of the proposed Project is enclosed.

Under the Project, the streets and adjoining sidewalks will be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA) 10-year still water level. At their western ends, the streets will be sloped down to the level of Eastern Parkway. No construction will take place in Eastern Parkway, but the Project does involve the side yards of several properties fronting on that street. Depending on local topography, the surface elevations of streets and sidewalks will typically be increased by 6 to 18 inches, with a maximum increase of approximately 24 inches. General Construction Note 7 on page G1 of the final Project plans, June 2016, states that the contractor shall "hold the Top of Curb even with the centerline of road," unless otherwise directed. In addition to elevating and reconstructing streets and sidewalks, the Project will involve necessary resetting, upgrade, or reconstruction of street infrastructure such as curbing, catch basins, manholes, signage, etc. Check valves at storm sewer outfalls will be installed, and, as needed, street end bulkheads will be reconstructed to minimum elevations of 7.5 feet NGVD to reduce the potential for future flooding.

Potential Project Effects: The Project requires removal of existing street surfaces, curbs, and sidewalks, alterations to storm drainage elements, filling, grading, and pavement replacement on streets and for sidewalks. The combined length of the construction area in the four streets is approximately 2,215 linear feet, between saw cut lines on Eastern Parkway and the street ends by the Millburn Creek bulkheads. Construction will extend beyond sidewalk edges into existing frontages, generally occupied by lawns and driveways, by up to approximately 15 feet, but typically less. Along each street, the Project width varies, but averages approximately 60 feet wide, typically comprising 30 feet of street, 8 feet of curb and sidewalk, and up to 22 feet of lawn or driveway. Depth of ground disturbance will vary from no more than a few inches at the edge construction in lawns to up to several feet in existing streets if upgrades to sanitary or storm sewers are required. The visual effect of the Project is expected to be modest. Although the surface heights of sidewalks and streets will be increased relative to the neighboring buildings, filling and grading the edges of front lawns and raising and reconstructing driveways will smooth the transition from street/sidewalk to adjoining properties, minimizing the overall visual effect of the grade changes. Except where houses have narrow setbacks, the altered grades will not extend as far as the ground immediately adjoining the fronts of building foundations. Aside from the four buildings fronting on Eastern Parkway, grade alterations are not planned to extend along the sides of houses.

Area of Potential Effects: The Project's total direct area of potential effects (direct APE) resulting from construction-related ground disturbance is 3.1± acres. The construction areas includes streets, sidewalks, and street end bulkheads, as well as adjoining areas of front lawns and driveways. The total APE, including the direct APE and the full extent of the adjoining parcels, covers 11.7± acres.

The APE includes 65 tax parcels, according to online Nassau County tax records that are available at http://lrv.nassaucountyny.gov/. Of the 65 affected tax parcels, five were vacant as of mid-2016, the date of the latest available information (see attached list). In most instances, the front portion of the property, containing front yard, walk, and/or driveway, is the involved section. However, as noted, the Project also affects the side yards of four properties fronting on Eastern Parkway, including two at the intersection of Hayes Place, and one each at the intersections of Van Buren Place and Jackson Place. The South Nassau Christian Church (3159 Eastern Parkway, built 1936 per tax records), on the southeastern corner of Van Buren Place and Eastern Parkway, is the only non-residential major building in the APE.

Existing Conditions: The Project is situated in a residential neighborhood occupying four fingers of filled land separated by artificial bulkheaded canals. Historical maps and coast charts indicate the area was created from tidal wetlands sometime in the first three decades of the twentieth century, possibly as early as the first decade, but more likely in the second or third decade.

This waterfront neighborhood is a mix of historic (built before 1974) and recent houses, primarily wood-framed. House styles include 1-story plain end-gabled cottages, 1½-story bungalows and Cape Cod-style side-gabled houses, 1-story ranch-style houses, and 2-story split-level houses. There are also a few recent Colonial-style houses, and there are also houses of no identifiable style, often because of extensive alteration. Secondary buildings adjoining the houses include sheds, detached garages, and other small utilitarian structures. The South Nassau Christian Church is a plain end-gabled building clad in wood shingles with attached parish hall at rear. The church belfry, main entrance porch, and rooflines show Spanish Mission Revival influences.

According to county tax records, 72 percent (43 of 60) of the principal buildings in the neighborhood were built before 1973 and are therefore at least 45 years old. These historic period houses have been altered in varying degrees. Tax card photographs and Google Earth street views indicate that typical alterations include: installation of aluminum or vinyl siding and/or modern thermopane windows and additions to the footprint or expansion of the upper story. Some buildings with tax card build dates in the 1920s or 1930s seem to have been renovated and expanded from the framing outward so the original structure is no longer identifiable.

The four streets affected by the Project are paved in macadam, with the usual array of storm drain inlets, capped utility access points, and street patches, and are flanked by concrete sidewalks. Wood utility poles, some with street light arms, are set at intervals in the sidewalks on one side of each street. Street signs are set in the sidewalks or at the edges of adjoining lawns. The earliest available airphoto, dated December 12, 1953, shows that the streets were by that date paved, with concrete sidewalks in place (U.S. Geological Survey Image No. AR1VBV000020018, accessed at https://earthexplorer.usgs.gov/).

Previous Documentation: A recent check of the New York Cultural Resource Information System (NY-CRIS) found that six properties in the APE have been evaluated by OPRHP, as follows:

USN	Address	NRHP Status
05901.002482	1125 Hayes Place	Not Eligible
05901.001187	1106 Jackson Place	Not Eligible *[Now demolished]*
05901.001103	1138 Jackson Place	Undetermined
05901.001581	1122 Van Buren Place	Undetermined / Not Eligible—Demolished
05901.001480	1124 Washington Place	Undetermined
05901.001508	1134 Washington Place	Undetermined

Regarding archaeological resources, NY-CRIS indicates the Project is situated in an area rated as archaeologically sensitive by the SHPO, presumably due to its proximity to the tidal shoreline. However, the NY-CRIS database records no pre-contact period Native American sites within at least 5 miles of the Project area.

Assessment of Effects: Although situated in a SHPO archaeological sensitivity zone, the Project is assessed as having low potential to affect archaeological resources. It is located in an area of filled tidal marsh, which is unlikely to contain intact archaeological deposits. In addition, the undertaking is limited to previously disturbed streets and fill areas. The Project is also unlikely to affect any aboveground historic property. It involves alterations to existing streets, curbs, sidewalks, front yards, and driveways. The streets and sidewalks will be raised by a variable amount up to approximately 24 inches, but the visual effect of the higher grade will be minimized by filling transitional areas in lawns and driveways to create smooth grades. In addition, examination of tax card photographs in the online Nassau County property tax records and

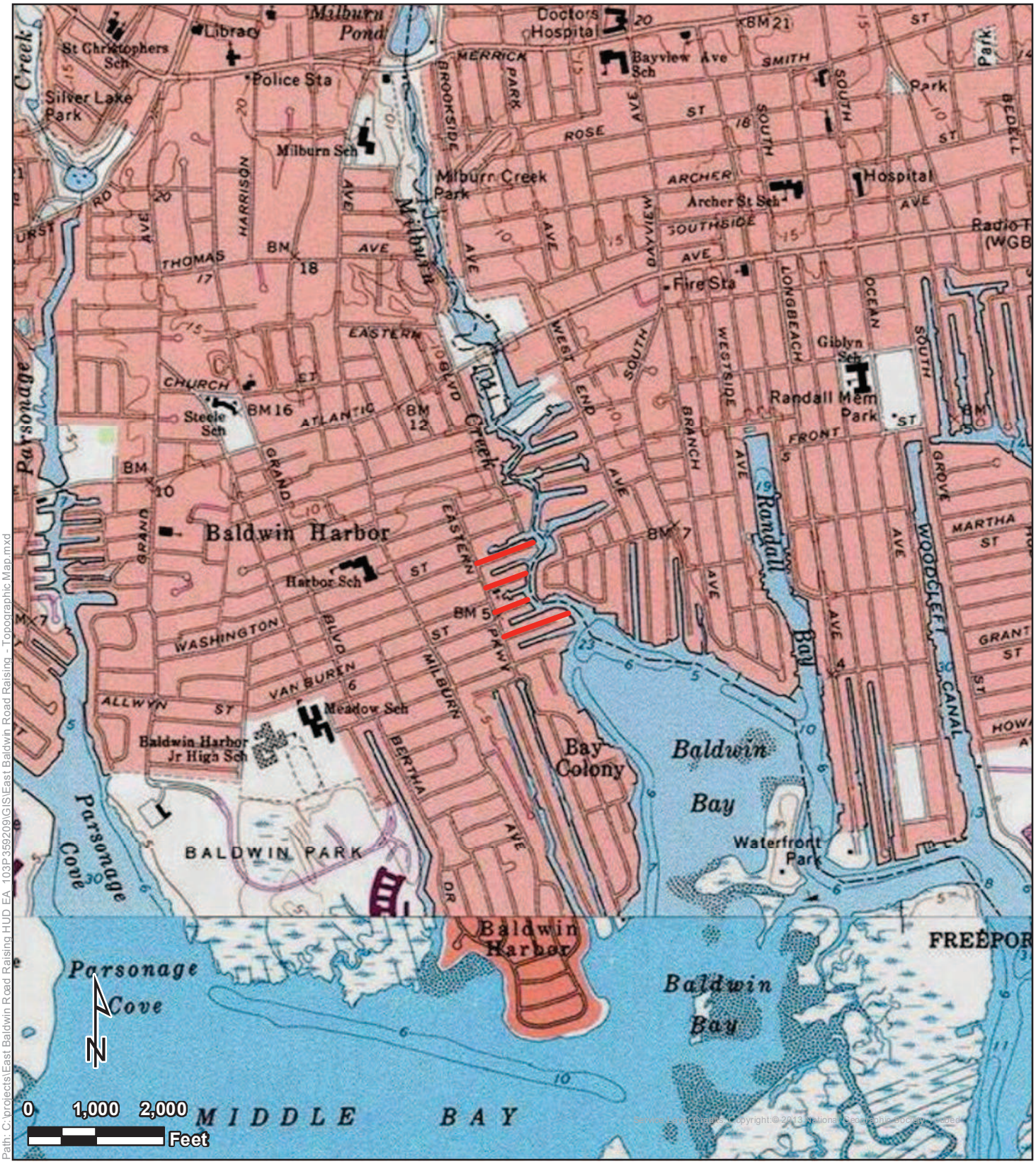
street views in Google Earth found that historic period houses in the APE have been altered, often extensively. Review of photographs also indicated that none of the houses appeared to possess the qualities that would make them individually eligible for the NRHP and also that the neighborhood as a whole does not appear to represent a historically or stylistically coherent collectivity that would indicate the presence of a historic district. In brief, the proposed Project is judged as likely to result in no historic properties affected, pursuant to Section 106 of the National Historic Preservation Act.

Request for Comment: 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 (212) 480-6265 or via email at Matt.Accardi@stormrecovery.ny.gov. Thank you for your time and consideration.

Sincerely,

Matt Accardi
Deputy Director
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

Enclosures:
Project Location Map
List of Adjoining Properties



Topographic Map

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 1

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Topographic Map.mxd

List of Affected / Adjoining Properties

East Baldwin Road Raising Project

Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

3760 - Baldwin Address and Tax Lots 3/3/2017

Washington Place

	Address	Section	Block	Lot
	1093	54	360	1197
	1107	54	360	1198
V	1115	54	360	91,93
	1123	54	360	694, 695, 696, 697
	1127	54	360	698, 699
	1131	54	360	700
	1133	54	360	708
	1137	54	360	709
	9	54	360	1199
	7	54	360	1200
	5	54	360	707, 36
	1149	54	360	37, 38, 39, 40, 41
	1094	54	359	756
	2	54	359	727, 728
	4	54	359	722, 723, 724, 725, 726
USN	1124	54	359	718, 719, 720, 721
	10	54	359	716, 717
USN	1134	54	359	714, 715
	12	54	359	712, 713
	1142	54	359	709, 710, 711
	1144	54	359	42, 43, 44, 708*
V	11	54	359	45, 46, 47

Hayes Place

	Address	Section	Block	Lot
	3139	54	359	739, 740, 741, 742, 743
	1111	54	359	744, 745, 746, 747
	1117	54	359	748, 749
USN	1125	54	359	750, 751, 752, 753, 754
	1133	54	359	48, 49, 50, 51
	3159	54	358	766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776
	1112	54	358	763, 764, 765
	1118	54	358	760, 761, 762
	1124	54	358	757, 758, 759
	1130	54	358	52, 53, 755, 756

Van Buren Place

	Address	Section	Block	Lot
	1093	54	358	777, 778, 779
	1101	54	358	780, 781, 782
	1107	54	358	783, 784, 785
	1111	54	358	786, 787, 788, 789
	1125	54	358	790, 791, 792
	3177	54	357	806, 807, 808, 809
	1104	54	357	804, 805
	1108	54	357	802, 803
V	8	54	357	797, 798, 799, 800, 801
USN/V	1122	54	357	795, 796
	1126	54	357	793, 794
	1130	54	357	835, 837

Jackson Place

	Address	Section	Block	Lot
	3199	54	357	832
	1103	54	357	831
	1109	54	357	820, 821, 822
	1115	54	357	823, 824, 825
	1123	54	357	826, 827, 828, 829
	1131	54	357	830, 55, 56, 57
	19	54	357	158
	25	54	357	160, 834
	1159	54	357	833
	1094	54	356	871
USN/V	1106	54	356	841, 842, 843
	1112	54	356	838, 839, 840
	1116	54	356	835, 836, 837
	1126	54	356	831, 832, 833, 834
	1132	54	356	63, 64, 65, 66
USN	1138	54	356	67, 68
	1142	54	356	69, 70
	1150	54	356	71, 72, 73, 74
	1154	54	356	75, 76
	1158	54	356	879
	1160	54	356	878

Source: Courtesy of Town of Hempstead, NY

***USN** – Unique Site Number—the property has a USN because it appears in the NY-CRIS historic architecture inventory.*

***V** – Property was vacant as of mid-2016. If USN/V, property was inventoried before demolition.*

**One of the lots at 1144 Washington Place, 54-359-708, appears in online records as a separate tax parcel with the address "10 Field Place."*

In addition to the above-listed properties, the project involves side yards of four properties on Eastern Parkway at the intersections of Hayes Place, Jackson Place, and Van Buren Place:

Eastern Parkway

Address	Section	Block	Lot	Intersection
3139	54	359	739	Hayes Pl. north side
3147-3159**	54	358	766	Hayes Pl. south side
3177	54	357	806	Van Buren Pl. south side
3199	54	357	832	Jackson Pl. north side

***South Nassau Christian Church and adjoining parsonage house.*

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
			HAYES PLACE			
STA 0+24 / 28.0' L	1	MH (EX)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.30		Raise Ex. CB grate to 4.10
STA 0+76 / 15.0' R	3	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.29		Raise Ex. CB grate to 4.10
STA 4+52 / 15.0' L	4	CB (EX)	GRATE (EX)	2.31		Demolish Ex CB 4
STA 4+52 /15.0' L	4A	Type B - Mod. (4'x6') CB	Type A Grate	4.15		
STA 4+46 / 8.0' R	5	MH (EX)	COVER / RIM	2.60		Demolish Ex MH 5
STA 4+46 / 7.0' R	53	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.50		
STA 4+47 / 15.0' R	6	CB (EX)	GRATE (EX)	2.39		Demolish Ex CB 6
STA 4+52 / 15.0' R	6A	Type A - CB	Type A Grate	4.15		
STA 2+85 / 15.0' R	50	Type A - CB	Type A Grate	4.10		
STA 2+90 / 7.0' R	51	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.55		
STA 2+85 / 15.0' L	52	Type A - CB	Type A Grate	4.10		
			VAN BUREN PLACE			
STA 0+29 / 9.0' R	8	MH (EX)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX)	INLET (EX)		3.50	Alter CB / Raise Inlet to 4.13
STA 0+80 / 15.0' R	10	CB (EX)	GRATE (EX)	3.54		Raise Ex. CB grate to 4.10
STA 3+42 / 15.0' L	11	CB (EX)	GRATE (EX)	2.68		Demolish Ex CB 11
STA 3+42 / 15.0' L	11A	Type B - Mod. (4'x6') CB	Type A Grate	4.12		
STA 3+42 / 15.0' R	12	CB (EX)	GRATE (EX)	2.78		Demolish Ex CB 12
STA 3+42 / 15.0' R	12A	Type A - CB	Type A Grate	4.12		
STA 2+60 / 15.0' L	84	Type A - CB	Type A Grate	4.12		
STA 2+67 / 6.0' R	85	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.54		
STA 2+60 / 15.0' R	86	Type A - CB	Type A Grate	4.12		
STA 3+37 / 6.0' R	87	Type A - MH	TOH Drain / HD Cover & Frame	4.54		
			JACKSON PLACE			
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX)	INLET (EX)		3.42	Alter CB / Raise Inlet to 4.08
STA 0+84 / 15.0' R	16	CB (EX)	GRATE (EX)	3.57		Raise Ex. CB grate to 4.08
STA 4+37 / 15.0' L	17	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		Demolish Ex MH 18
STA 4+35 / 5.0' R	18A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+36 / 15.0' R	19	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 7+44 / 15.0' L	21	CB (EX)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	21A	Type A - CB	Type A Grate	4.03		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	22A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.45		
STA 7+45 / 15.0' R	23	CB (EX)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	23A	Type A - CB	Type A Grate	4.03		
STA 5+90 / 15.0' R	54	Type A CB	Type A Grate	4.00		
STA 5+98 / 5.0' R	55	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 5+90 / 15.0' L	56	Type A - CB	Type A Grate	4.00		
			WASHINGTON PLACE			
STA 0+20 / 33.0' R	64	CB (EX)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX)	INLET (EX)		4.17	Lower Inlet to 4.05
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX)	GRATE (EX)	3.28		Raise Ex. CB grate to 4.00
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		Raise Ex. CB grate to 4.45
STA 2+66 / 14.0' R	71	CB (EX)	GRATE (EX)	3.27		Raise Ex. CB grate to 4.00
STA 2+66 / 4.5' L	72	CB (EX)	GRATE (EX)	3.09		Raise Ex. CB grate to 4.00
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		Raise Ex. CB grate to 4.42
STA 2+69 / 14.0' L	74	CB (EX)	GRATE (EX)	3.14		Raise Ex. CB grate to 4.00
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		Raise MH Rim to 4.60
STA 6+26 / 5.0' R	76	CB (EX)	GRATE (EX)	3.12		Demolish Ex CB 76
STA 6+26 / 14.0' L	76A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		Raise Ex. MH Rim to 4.45
STA 6+24 / 4.5' R	78	CB (EX)	GRATE (EX)	2.81		Demolish Ex CB 78
STA 6+22 / 14.0' R	78A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		Raise Ex. MH Rim to 4.60
STA 4+25 / 14.0' L	81	Type A - CB	Type A Grate	4.00		
STA 4+25 / 5.0' R	82	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+17 / 14.0' R	83	Type A - CB	Type A Grate	4.00		
DRIVEWAY AND YARD DRAINS						
			HAYES PLACE			
RES # 3139 E. Pkwy	DDH1	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDH2	12" Dia Dwy Drain	12" Dia Grate	4.10		Inv. 1.2 (S/S) - 8" PVC
RES # 1125	DDH3	12" Dia Dwy Drain	12" Dia Grate	3.50		Inv. 1.2 (S/S) - 8" PVC
RES # 1133	DDH4	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1130	DDH5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH6	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH7	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			VAN BUREN PLACE			
RES # 1111	DDV1	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDV2	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES #1126	DDV3	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (N/S) - 8" PVC
RES # 8	DDV4	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 8	DDV5	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1104	DDV6	12" Dia Dwy Drain	12" Dia Grate	4.30		Inv. 1.2 (N/S) - 8" PVC
			JACKSON PLACE			
RES # 3199 E. Pkwy	DDJ1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ2	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ3	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1131	DDJ4	12" Dia Yard Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 19	DDJ5	12" Dia Dwy Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ6	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ8	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ9	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1132	DDJ10	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 1106	DDJ11	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1094	DDJ12	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			WASHINGTON PLACE			
RES # 1107	DDW1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1115	DDW2	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDW3	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1127	DDW4	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 9	DDW5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 7	DDW6	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 5	DDW7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 12	DDW8	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1134	DDW9	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1124	DDW10	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
VACANT	DDW11	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Pipe Length	Pipe Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX)	26'	18" Dia.		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX)	50'	18" Dia.		
MH 1				0.15	(EX)
CB 50				0.70	
TO	HDPE PIPE	8'	15" Dia.		
MH 51				0.55	
CB 52				0.70	
TO	HDPE PIPE	20'	15" Dia.		
MH 51				0.55	
MH 51				0.50	
TO	HDPE PIPE	158'	18" Dia.		
MH 53				0.10	
CB 6A				0.60	
TO	Class 5 - RCP	9'	15" Dia.		
MH 53				0.40	
MH 53				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 4A				-0.10	
CB 4A				-0.10	
TO	HDPE PIPE	30'	18" Dia.		
OUTFALL 7A				-0.30	AT BULKHEAD
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX)	28'	18" Dia.		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX)	48'	18" Dia.		
MH 8				-0.61	(EX)
CB 84				0.60	
TO	HDPE PIPE	20'	15" Dia.		
MH 85				0.40	
CB 86				0.60	
TO	HDPE PIPE	7'	15" Dia.		
MH 85				0.40	
MH 85				0.30	
TO	HDPE PIPE	72'	18" Dia.		
MH 87				0.10	
CB 12A				0.40	
TO	HDPE PIPE	6'	15" Dia.		
MH 87				0.20	
MH 87				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 11A				-0.15	
CB 11A				-0.20	
TO	HDPE PIPE	58'	18" Dia.		
OUTFALL 13A				-0.40	AT BULKHEAD
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX)	28'	18" Dia.		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX)	54'	18" Dia.		
MH 14				-1.23	(EX)
CB 88				0.50	
TO	HDPE PIPE	21'	15" Dia.		
MH 89				0.45	
CB 90				0.60	
TO	HDPE PIPE	12'	15" Dia.		
MH 89				0.45	
MH 89				0.40	
TO	HDPE PIPE	102'	18" Dia.		
MH 18				0.10	
CB 19				0.70	(EX)
TO	HDPE PIPE	5'	15" Dia.		
MH 18A				0.50	
CB 17				0.70	
TO	HDPE PIPE	16'	15" Dia.		
MH 18A				0.50	
MH 18A				0.00	
TO	HDPE PIPE	158'	18" Dia.		
MH 55				-0.40	
CB 54				0.40	
TO	HDPE PIPE	10'	15" Dia.		
MH 55				0.20	
CB 56				0.40	
TO	HDPE PIPE	20'	15" Dia.		
MH 55				0.20	
MH 55				-0.45	
TO	HDPE PIPE	142'	18" Dia.		
MH 22A				-0.80	
CB 23A				0.40	
TO	HDPE PIPE	12'	15" Dia.		
MH 22A				0.20	
CB 21A				0.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 22A				0.20	
MH 22A				-0.85	
TO	HDPE PIPE	42'	18" Dia.		
OUTFALL 24A				-1.00	AT BULKHEAD
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX)	38'	18" Dia.		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX)	16'	18" Dia.		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX)	6'	18" Dia.		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX)	200'	30" Dia.		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX)	15'	18" Dia.		
MH 73				-0.05	
CB 74				-0.40	
TO	RCP (EX)	4'	18" Dia.		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX)	52'	30" Dia.		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX)	105'	30" Dia.		
MH 82				-2.75	
CB 81				0.30	
TO	HDPE PIPE	18'	15" Dia.		
MH 82				0.10	
CB 83				0.30	
TO	HDPE PIPE	8'	15" Dia.		
MH 82				0.10	
MH 82				-2.75	
TO	RCP (EX)	198'	30" Dia.		
MH 77				-3.80	(EX)
CB 76A				-1.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 77				-1.60	
CB 78A				-1.40	
TO	HDPE PIPE	6'	18" Dia.		
MH 77				-1.60	
MH 77				-3.80	
TO	RCP (EX)	8'	30" Dia.		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX)	38'	30" Dia.		
OUTFALL 80				-3.35	At bulkhead

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER: SP
DRAWN BY: JEZ/FF
DESIGNED BY: JC
CHECKED BY: WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: 1"=100'
DRAWING NO. G4

APPENDIX G
TRIBAL CORRESPONDENCE

From: Bonney Hartley
To: Barthelme, Mary (STORMRECOVERY)
Subject: RE: Section 106 Discussion East Baldwin Road Raising Project, Town of Hempstead, Nassau County, New York
Date: Thursday, March 23, 2017 1:57:37 PM

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

Dear Mary:

This project is not within our tribe's cultural area of interest so we have no comment.

Thank you,
Bonney

Bonney Hartley
Tribal Historic Preservation Officer
Stockbridge-Munsee Mohican Tribal Historic Preservation
New York Office
65 1st Street
Troy, NY 12180
(518) 244-3164
Bonney.Hartley@mohican-nsn.gov
www.mohican-nsn.gov

From: Barthelme, Mary (STORMRECOVERY) [mailto:Mary.Barthelme@stormrecovery.ny.gov]
Sent: Friday, March 10, 2017 3:25 PM
To: Bonney Hartley
Cc: Accardi, Matt (STORMRECOVERY)
Subject: Section 106 Discussion East Baldwin Road Raising Project, Town of Hempstead, Nassau County, New York

Dear Bonney,

Please see the attached consultation for the above-mentioned project.

A hard copy is being sent today by mail. Please let me know if you have any questions.

Thank you,

Mary Barthelme

Mary Barthelme
Environmental and Historic Preservation Specialist
Governor's Office of Storm Recovery
99 Washington Avenue, Suite 1224, Albany NY 12260

O: (518) 473-0154 l C: (646) 706-6748 l F: (518) 474-6102 l
Mary.Barthelme@stormrecovery.ny.gov
www.stormrecovery.ny.gov

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Affidavit of Mailing

STATE OF NEW YORK)
: SS. :
COUNTY OF ALBANY)

MARY BARTHELME, being duly sworn, deposes and says:

1. I am over the age of eighteen years.
2. On March 10, 2017, I mailed true and correct copies of the annexed East Baldwin Road Raising Project Tribal Consultations dated March 10, 2017 by placing the same in first class post-paid envelopes addressed: SEE ATTACHED LIST.
3. On said day, I deposited said envelopes in a mailbox at 99 Washington Avenue, Albany, New York 12210.

Mary Barthelme

Sworn to before me this
13th day of March, 2017

Casey R. Dwyer
Notary Public

Casey R. Dwyer
Notary Public, State of New York
Qualified in Rensselaer County
No. 01DW6346468
Commission Expires August 15, 2026

Chet Brooks, Chief
Delaware Tribe of Indians, Delaware
Tribal Headquarters
5100 Tuxedo Blvd
Bartlesville, OK 74006

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

Shannon Holsey, President
Stockbridge-Munsee Community,
Band of the Mohicans
N8476 Moh He Con Nuck Road
Bowler, WI 54416

David Martine
THPO, Cultural Resources Department
Shinnecock Indian Nation
P.O. Box 5006
Southampton, NY 11969

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

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

March 10, 2017

Kerry Holton, President
Delaware Nation
P.O. Box 825
Anadarko, OK 73005

Re: Section 106 Discussion
East Baldwin Road Raising Project, 1093 Washington Place to 1160 Jackson Place
Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

Dear President Kerry Holton:

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 to elevate the surfaces of four waterfront streets by 6 to 24 inches adjoining the tidal section of Millburn Creek on the South Shore of Long Island in the Hamlet of Baldwin, Town of Hempstead, Nassau County. The Project is intended to enhance the resiliency of the surrounding neighborhood by reducing the vulnerability of the streets to flooding. 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 notification is being sent to the Delaware Nation, Delaware Tribe of Indians, Shinnecock Nation, Stockbridge-Munsee Community Band of Mohicans, and Unkechaug Indian Nation.

Area of Potential Effects (APE): GOSR proposes to fund an application from the Town of Hempstead to elevate the road surfaces and adjoining sidewalks of the easternmost blocks of four neighboring streets in the Hamlet of Baldwin: Washington Place, Hayes Place, Van Buren Place, and Jackson Place. The project area is located between Eastern Parkway and Millburn Creek in the vicinity of Lat. 40.6349231°, Long. -73.5982643°. The project's direct area of potential effects (direct APE) resulting from construction-related ground disturbances is 3.1± acres. The work areas adjoin a total of 65 properties, whose extent beyond the limits of construction comprise the indirect APE. The total APE, including the direct APE and the full area of the adjoining parcels, is roughly rectangular and covers 11.7± acres.

Proposed Project Description: Under the Project, the four streets and their adjoining sidewalks will be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA) 10-year still water level. At their western ends, the streets will be sloped down to the level of Eastern Parkway. No construction will take place in Eastern Parkway, but the Project does involve the side yards of several properties fronting on that street. Depending on local topography, the surface elevations of streets and sidewalks will typically be increased by 6 to 18 inches, with a maximum

increase of approximately 24 inches. In addition to elevating and reconstructing streets and sidewalks, the project will involve necessary resetting, upgrade, or reconstruction of street infrastructure such as curbing, catch basins, manholes, signage, etc., Check valves at storm sewer outfalls will be installed, and, as needed, street end bulkheads will be reconstructed to minimum elevations of 7.5 feet NGVD to reduce the potential for future flooding.

The Project requires removal of existing street surfaces, curbs, and sidewalks, alterations to storm drainage elements, filling, grading, and pavement replacement on streets and sidewalks. The combined Project length for the four streets is approximately 2,215 linear feet between the saw cut lines on Eastern Parkway and the street ends by the Millburn Creek bulkheads. Construction will extend beyond sidewalk edges into existing frontages, or in four instances side yards, generally occupied by lawns and driveways, by up to approximately 15 feet, but typically less. Along each street, the Project width varies, but averages approximately 60 feet wide, typically comprising 30 feet of street, 8 feet of curb and sidewalk, and up to 22 feet of lawn or driveway. Depth of ground disturbance will vary from no more than a few inches at the edge construction in lawns to up to several feet in the existing streets if upgrades to sanitary or storm sewers are required. The visual effect of the Project is expected to be modest. Although the surface heights of sidewalks and streets will be increased relative to the neighboring buildings, filling and grading the edges of front lawns and raising and reconstructing driveways will smooth the transition from street/sidewalk to adjoining properties, minimizing the overall visual effect of the grade changes. Except where houses have narrow setbacks, the altered grades will not extend as far as the ground immediately adjoining the fronts of building foundations. Aside from the four buildings fronting on Eastern Parkway, grade alterations are not planned to extend along the sides of houses.

Review of information in the New York State Historic Preservation Office's (SHPO) Cultural Resources Information System (NY-CRIS) found that the Project is situated in an area rated as archaeologically sensitive by the SHPO, presumably due to its proximity to the tidal shoreline. However, the NY-CRIS database records no pre-contact period Native American sites within at least 5 miles of the Project area. Moreover, the Project is situated on four fingers of filled land separated by artificial bulkheaded canals. Historical topographic maps and coast charts show that the present land surface was created early in the twentieth century (probably 1910-1920) by dredging and filling tidal wetlands. The archaeological sensitivity of the Project area is therefore judged to be low.

The Project will affect front or side yard areas of 65 properties, including five that were vacant as of mid-2016. The remaining 60 properties comprise 59 detached houses and one church. In most instances, the front portion of the property, containing the front yard, walk, and/or driveway, is the involved section. However, the project also affects the side yards of four properties fronting on Eastern Parkway, including two at the intersection of Hayes Place, and one each at the intersections of Van Buren Place and Jackson Place. The project area is a mix of historic (built before 1974) and recent houses, primarily wood-framed. According to county tax records, 72 percent (43 of 60) of the houses and church in the neighborhood were built before 1973 and are therefore at least 45 year old. These historic period houses have been altered to varying degrees. Alterations include installation of vinyl or aluminum siding, replacement of windows, renovations that raise or alter the configuration of the roof, additions that expand the footprint, and in some instances such extensive renovation that the original house structure is no longer evident. NY-CRIS inventories six buildings in the project area, none of which have been evaluated as eligible for the National Register of Historic Places (NRHP). Review of tax card photographs available online from Nassau County and streetviews on Google Earth indicates that none of the adjoining buildings appears to be NRHP eligible and that the no NRHP-eligible historic district is present in the affected area.

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. On balance, GOSR's assessment is that the project will result in no historic properties affected. No comment on the Project have been received from the SHPO to date.

GOSR is completing an environmental review for this Project in accordance with HUD NEPA regulations. If the Area of Potential Effects encompasses historic properties of religious or cultural significance to your Nation, please respond within

30 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.

Address for mail correspondence:

Matt Accardi
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

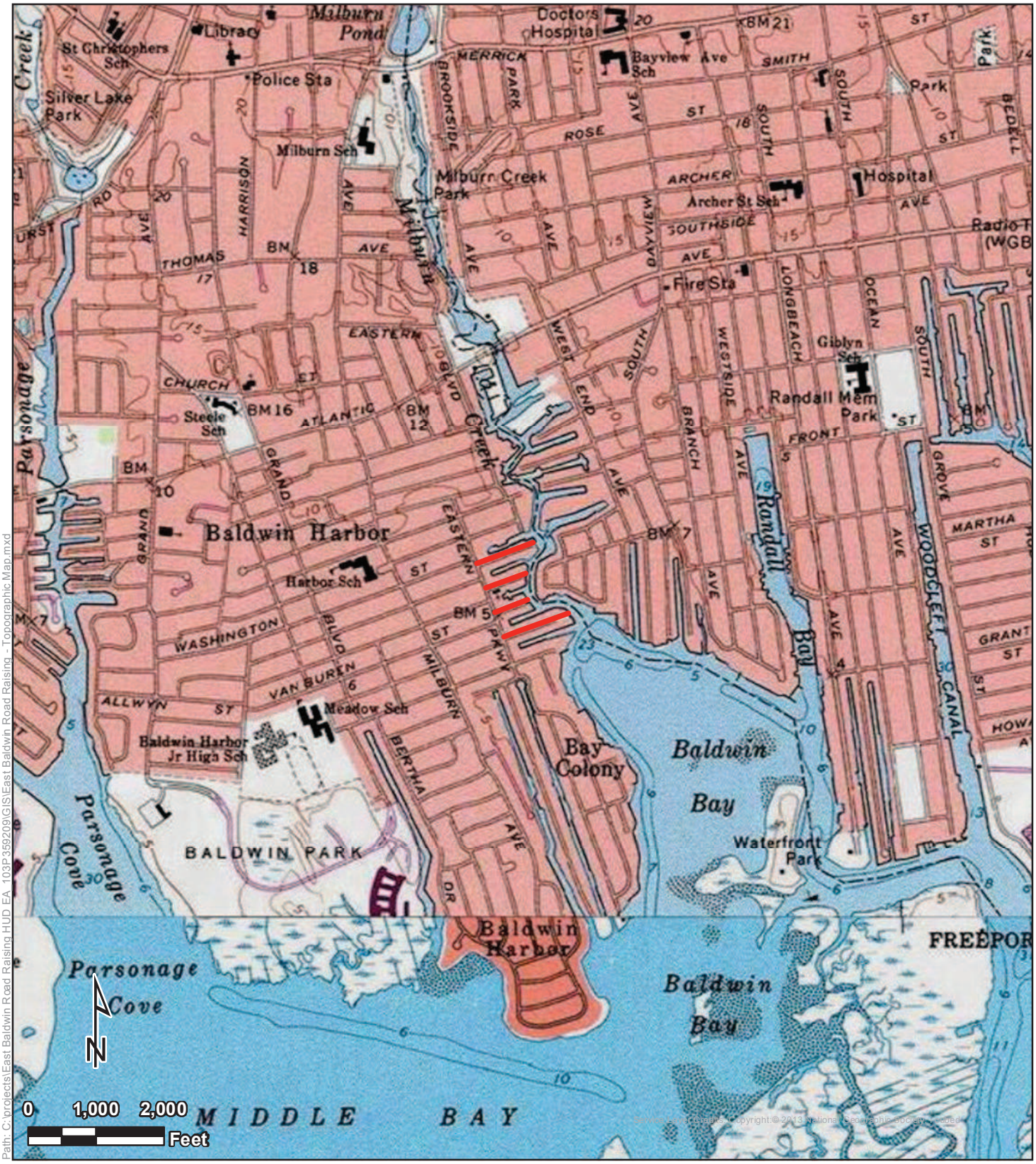
I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (212) 480-6265 or via email at Matt.Accardi@stormrecovery.ny.gov.

Sincerely,

Matt Accardi
Deputy Director
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

Enclosures:
Project Location Map
List of Adjoining Properties
Site Plan

Electronic letter sent to:
Nekole Alligood, Cultural Preservation Director
Delaware Nation
P.O. Box 825
Anadarko, OK 73005



Topographic Map

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 1

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Topographic Map.mxd

List of Affected / Adjoining Properties

East Baldwin Road Raising Project

Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

3760 - Baldwin Address and Tax Lots 3/3/2017

Washington Place

	Address	Section	Block	Lot
	1093	54	360	1197
	1107	54	360	1198
V	1115	54	360	91,93
	1123	54	360	694, 695, 696, 697
	1127	54	360	698, 699
	1131	54	360	700
	1133	54	360	708
	1137	54	360	709
	9	54	360	1199
	7	54	360	1200
	5	54	360	707, 36
	1149	54	360	37, 38, 39, 40, 41
	1094	54	359	756
	2	54	359	727, 728
	4	54	359	722, 723, 724, 725, 726
USN	1124	54	359	718, 719, 720, 721
	10	54	359	716, 717
USN	1134	54	359	714, 715
	12	54	359	712, 713
	1142	54	359	709, 710, 711
	1144	54	359	42, 43, 44, 708*
V	11	54	359	45, 46, 47

Hayes Place

	Address	Section	Block	Lot
	3139	54	359	739, 740, 741, 742, 743
	1111	54	359	744, 745, 746, 747
	1117	54	359	748, 749
USN	1125	54	359	750, 751, 752, 753, 754
	1133	54	359	48, 49, 50, 51
	3159	54	358	766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776
	1112	54	358	763, 764, 765
	1118	54	358	760, 761, 762
	1124	54	358	757, 758, 759
	1130	54	358	52, 53, 755, 756

Van Buren Place

	Address	Section	Block	Lot
	1093	54	358	777, 778, 779
	1101	54	358	780, 781, 782
	1107	54	358	783, 784, 785
	1111	54	358	786, 787, 788, 789
	1125	54	358	790, 791, 792
	3177	54	357	806, 807, 808, 809
	1104	54	357	804, 805
	1108	54	357	802, 803
V	8	54	357	797, 798, 799, 800, 801
USN/V	1122	54	357	795, 796
	1126	54	357	793, 794
	1130	54	357	835, 837

Jackson Place

	Address	Section	Block	Lot
	3199	54	357	832
	1103	54	357	831
	1109	54	357	820, 821, 822
	1115	54	357	823, 824, 825
	1123	54	357	826, 827, 828, 829
	1131	54	357	830, 55, 56, 57
	19	54	357	158
	25	54	357	160, 834
	1159	54	357	833
	1094	54	356	871
USN/V	1106	54	356	841, 842, 843
	1112	54	356	838, 839, 840
	1116	54	356	835, 836, 837
	1126	54	356	831, 832, 833, 834
	1132	54	356	63, 64, 65, 66
USN	1138	54	356	67, 68
	1142	54	356	69, 70
	1150	54	356	71, 72, 73, 74
	1154	54	356	75, 76
	1158	54	356	879
	1160	54	356	878

Source: Courtesy of Town of Hempstead, NY

***USN** – Unique Site Number—the property has a USN because it appears in the NY-CRIS historic architecture inventory.*

***V** – Property was vacant as of mid-2016. If USN/V, property was inventoried before demolition.*

**One of the lots at 1144 Washington Place, 54-359-708, appears in online records as a separate tax parcel with the address "10 Field Place."*

In addition to the above-listed properties, the project involves side yards of four properties on Eastern Parkway at the intersections of Hayes Place, Jackson Place, and Van Buren Place:

Eastern Parkway

Address	Section	Block	Lot	Intersection
3139	54	359	739	Hayes Pl. north side
3147-3159**	54	358	766	Hayes Pl. south side
3177	54	357	806	Van Buren Pl. south side
3199	54	357	832	Jackson Pl. north side

***South Nassau Christian Church and adjoining parsonage house.*

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
			HAYES PLACE			
STA 0+24 / 28.0' L	1	MH (EX)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.30		Raise Ex. CB grate to 4.10
STA 0+76 / 15.0' R	3	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.29		Raise Ex. CB grate to 4.10
STA 4+52 /15.0' L	4	CB (EX)	GRATE (EX)	2.31		Demolish Ex CB 4
STA 4+52 /15.0' L	4A	Type B - Mod. (4'x6') CB	Type A Grate	4.15		
STA 4+46 / 8.0' R	5	MH (EX)	COVER / RIM	2.60		Demolish Ex MH 5
STA 4+46 / 7.0' R	53	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.50		
STA 4+47 / 15.0' R	6	CB (EX)	GRATE (EX)	2.39		Demolish Ex CB 6
STA 4+52 / 15.0' R	6A	Type A - CB	Type A Grate	4.15		
STA 2+85 / 15.0' R	50	Type A - CB	Type A Grate	4.10		
STA 2+90 / 7.0' R	51	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.55		
STA 2+85 / 15.0' L	52	Type A - CB	Type A Grate	4.10		
			VAN BUREN PLACE			
STA 0+29 / 9.0' R	8	MH (EX)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX)	INLET (EX)		3.50	Alter CB / Raise Inlet to 4.13
STA 0+80 / 15.0' R	10	CB (EX)	GRATE (EX)	3.54		Raise Ex. CB grate to 4.10
STA 3+42 / 15.0' L	11	CB (EX)	GRATE (EX)	2.68		Demolish Ex CB 11
STA 3+42 / 15.0' L	11A	Type B - Mod. (4'x6') CB	Type A Grate	4.12		
STA 3+42 / 15.0' R	12	CB (EX)	GRATE (EX)	2.78		Demolish Ex CB 12
STA 3+42 / 15.0' R	12A	Type A - CB	Type A Grate	4.12		
STA 2+60 / 15.0' L	84	Type A - CB	Type A Grate	4.12		
STA 2+67 / 6.0' R	85	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.54		
STA 2+60 / 15.0' R	86	Type A - CB	Type A Grate	4.12		
STA 3+37 / 6.0' R	87	Type A - MH	TOH Drain / HD Cover & Frame	4.54		
			JACKSON PLACE			
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX)	INLET (EX)		3.42	Alter CB / Raise Inlet to 4.08
STA 0+84 / 15.0' R	16	CB (EX)	GRATE (EX)	3.57		Raise Ex. CB grate to 4.08
STA 4+37 / 15.0' L	17	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		Demolish Ex MH 18
STA 4+35 / 5.0' R	18A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+36 / 15.0' R	19	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 7+44 / 15.0' L	21	CB (EX)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	21A	Type A - CB	Type A Grate	4.03		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	22A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.45		
STA 7+45 / 15.0' R	23	CB (EX)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	23A	Type A - CB	Type A Grate	4.03		
STA 5+90 / 15.0' R	54	Type A CB	Type A Grate	4.00		
STA 5+98 / 5.0' R	55	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 5+90 / 15.0' L	56	Type A - CB	Type A Grate	4.00		
			WASHINGTON PLACE			
STA 0+20 / 33.0' R	64	CB (EX)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX)	INLET (EX)		4.17	Lower Inlet to 4.05
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX)	GRATE (EX)	3.28		Raise Ex. CB grate to 4.00
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		Raise Ex. CB grate to 4.45
STA 2+66 / 14.0' R	71	CB (EX)	GRATE (EX)	3.27		Raise Ex. CB grate to 4.00
STA 2+66 / 4.5' L	72	CB (EX)	GRATE (EX)	3.09		Raise Ex. CB grate to 4.00
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		Raise Ex. CB grate to 4.42
STA 2+69 / 14.0' L	74	CB (EX)	GRATE (EX)	3.14		Raise Ex. CB grate to 4.00
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		Raise MH Rim to 4.60
STA 6+26 / 5.0' R	76	CB (EX)	GRATE (EX)	3.12		Demolish Ex CB 76
STA 6+26 / 14.0' L	76A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		Raise Ex. MH Rim to 4.45
STA 6+24 / 4.5' R	78	CB (EX)	GRATE (EX)	2.81		Demolish Ex CB 78
STA 6+22 / 14.0' R	78A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		Raise Ex. MH Rim to 4.60
STA 4+25 / 14.0' L	81	Type A - CB	Type A Grate	4.00		
STA 4+25 / 5.0' R	82	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+17 / 14.0' R	83	Type A - CB	Type A Grate	4.00		
DRIVEWAY AND YARD DRAINS						
			HAYES PLACE			
RES # 3139 E. Pkwy	DDH1	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDH2	12" Dia Dwy Drain	12" Dia Grate	4.10		Inv. 1.2 (S/S) - 8" PVC
RES # 1125	DDH3	12" Dia Dwy Drain	12" Dia Grate	3.50		Inv. 1.2 (S/S) - 8" PVC
RES # 1133	DDH4	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1130	DDH5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH6	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH7	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			VAN BUREN PLACE			
RES # 1111	DDV1	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDV2	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES #1126	DDV3	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (N/S) - 8" PVC
RES # 8	DDV4	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 8	DDV5	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1104	DDV6	12" Dia Dwy Drain	12" Dia Grate	4.30		Inv. 1.2 (N/S) - 8" PVC
			JACKSON PLACE			
RES # 3199 E. Pkwy	DDJ1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ2	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ3	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1131	DDJ4	12" Dia Yard Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 19	DDJ5	12" Dia Dwy Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ6	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ8	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ9	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1132	DDJ10	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 1106	DDJ11	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1094	DDJ12	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			WASHINGTON PLACE			
RES # 1107	DDW1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1115	DDW2	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDW3	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1127	DDW4	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 9	DDW5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 7	DDW6	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 5	DDW7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 12	DDW8	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1134	DDW9	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1124	DDW10	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
VACANT	DDW11	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Length	Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX.)	26'	18" Dia.		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX.)	50'	18" Dia.		
MH 1				0.15	(EX)
CB 50				0.70	
TO	HDPE PIPE	8'	15" Dia.		
MH 51				0.55	
CB 52				0.70	
TO	HDPE PIPE	20'	15" Dia.		
MH 51				0.55	
MH 51				0.50	
TO	HDPE PIPE	158'	18" Dia.		
MH 53				0.10	
CB 6A				0.60	
TO	Class 5 - RCP	9'	15" Dia.		
MH 53				0.40	
MH 53				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 4A				-0.10	
CB 4A				-0.10	
TO	HDPE PIPE	30'	18" Dia.		
OUTFALL 7A				-0.30	AT BULKHEAD
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX.)	28'	18" Dia.		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX.)	48'	18" Dia.		
MH 8				-0.61	(EX)
CB 84				0.60	
TO	HDPE PIPE	20'	15" Dia.		
MH 85				0.40	
CB 86				0.60	
TO	HDPE PIPE	7'	15" Dia.		
MH 85				0.40	
MH 85				0.30	
TO	HDPE PIPE	72'	18" Dia.		
MH 87				0.10	
CB 12A				0.40	
TO	HDPE PIPE	6'	15" Dia.		
MH 87				0.20	
MH 87				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 11A				-0.15	
CB 11A				-0.20	
TO	HDPE PIPE	58'	18" Dia.		
OUTFALL 13A				-0.40	AT BULKHEAD
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX.)	28'	18" Dia.		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX.)	54'	18" Dia.		
MH 14				-1.23	(EX)
CB 88				0.50	
TO	HDPE PIPE	21'	15" Dia.		
MH 89				0.45	
CB 90				0.60	
TO	HDPE PIPE	12'	15" Dia.		
MH 89				0.45	
MH 89				0.40	
TO	HDPE PIPE	102'	18" Dia.		
MH 18				0.10	
CB 19				0.70	(EX)
TO	HDPE PIPE	5'	15" Dia.		
MH 18A				0.50	
CB 17				0.70	
TO	HDPE PIPE	16'	15" Dia.		
MH 18A				0.50	
MH 18A				0.00	
TO	HDPE PIPE	158'	18" Dia.		
MH 55				-0.40	
CB 54				0.40	
TO	HDPE PIPE	10'	15" Dia.		
MH 55				0.20	
CB 56				0.40	
TO	HDPE PIPE	20'	15" Dia.		
MH 55				0.20	
MH 55				-0.45	
TO	HDPE PIPE	142'	18" Dia.		
MH 22A				-0.80	
CB 23A				0.40	
TO	HDPE PIPE	12'	15" Dia.		
MH 22A				0.20	
CB 21A				0.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 22A				0.20	
MH 22A				-0.85	
TO	HDPE PIPE	42'	18" Dia.		
OUTFALL 24A				-1.00	AT BULKHEAD
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX.)	38'	18" Dia.		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX.)	16'	18" Dia.		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX.)	6'	18" Dia.		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX.)	200'	30" Dia.		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX.)	15'	18" Dia.		
MH 73				-0.05	
CB 74				-0.40	
TO	RCP (EX.)	4'	18" Dia.		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX.)	52'	30" Dia.		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX.)	105'	30" Dia.		
MH 82				-2.75	
CB 81				0.30	
TO	HDPE PIPE	18'	15" Dia.		
MH 82				0.10	
CB 83				0.30	
TO	HDPE PIPE	8'	15" Dia.		
MH 82				0.10	
MH 82				-2.75	
TO	RCP (EX.)	198'	30" Dia.		
MH 77				-3.80	(EX)
CB 76A				-1.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 77				-1.60	
CB 78A				-1.40	
TO	HDPE PIPE	6'	18" Dia.		
MH 77				-1.60	
MH 77				-3.80	
TO	RCP (EX.)	8'	30" Dia.		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX.)	38'	30" Dia.		
OUTFALL 80				-3.35	At bulkhead

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER: SP
DRAWN BY: JEZ/FF
DESIGNED BY: JC
CHECKED BY: WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY — NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO.: 3760
DATE: JUNE 2016
SCALE: 1"=100'
DRAWING NO.: G4

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

March 10, 2017

Chet Brooks, Chief
Delaware Tribe of Indians, Delaware Tribal Headquarters
5100 Tuxedo Blvd
Bartlesville, OK 74006

Re: Section 106 Discussion
East Baldwin Road Raising Project, 1093 Washington Place to 1160 Jackson Place
Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

Dear Chief Chet Brooks:

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 Tribe 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 to elevate the surfaces of four waterfront streets by 6 to 24 inches adjoining the tidal section of Millburn Creek on the South Shore of Long Island in the Hamlet of Baldwin, Town of Hempstead, Nassau County. The Project is intended to enhance the resiliency of the surrounding neighborhood by reducing the vulnerability of the streets to flooding. 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 notification is being sent to the Delaware Nation, Delaware Tribe of Indians, Shinnecock Nation, Stockbridge-Munsee Community Band of Mohicans, and Unkechaug Indian Nation.

Area of Potential Effects (APE): GOSR proposes to fund an application from the Town of Hempstead to elevate the road surfaces and adjoining sidewalks of the easternmost blocks of four neighboring streets in the Hamlet of Baldwin: Washington Place, Hayes Place, Van Buren Place, and Jackson Place. The project area is located between Eastern Parkway and Millburn Creek in the vicinity of Lat. 40.6349231°, Long. -73.5982643°. The project's direct area of potential effects (direct APE) resulting from construction-related ground disturbances is 3.1± acres. The work areas adjoin a total of 65 properties, whose extent beyond the limits of construction comprise the indirect APE. The total APE, including the direct APE and the full area of the adjoining parcels, is roughly rectangular and covers 11.7± acres.

Proposed Project Description: Under the Project, the four streets and their adjoining sidewalks will be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA) 10-year still water level. At their western ends, the streets will be sloped down to the level of Eastern Parkway. No construction will take place in Eastern Parkway, but the Project does involve the side yards of several properties fronting on that street. Depending on local topography, the surface elevations of streets and sidewalks will typically be increased by 6 to 18 inches, with a maximum

increase of approximately 24 inches. In addition to elevating and reconstructing streets and sidewalks, the project will involve necessary resetting, upgrade, or reconstruction of street infrastructure such as curbing, catch basins, manholes, signage, etc., Check valves at storm sewer outfalls will be installed, and, as needed, street end bulkheads will be reconstructed to minimum elevations of 7.5 feet NGVD to reduce the potential for future flooding.

The Project requires removal of existing street surfaces, curbs, and sidewalks, alterations to storm drainage elements, filling, grading, and pavement replacement on streets and sidewalks. The combined Project length for the four streets is approximately 2,215 linear feet between the saw cut lines on Eastern Parkway and the street ends by the Millburn Creek bulkheads. Construction will extend beyond sidewalk edges into existing frontages, or in four instances side yards, generally occupied by lawns and driveways, by up to approximately 15 feet, but typically less. Along each street, the Project width varies, but averages approximately 60 feet wide, typically comprising 30 feet of street, 8 feet of curb and sidewalk, and up to 22 feet of lawn or driveway. Depth of ground disturbance will vary from no more than a few inches at the edge construction in lawns to up to several feet in the existing streets if upgrades to sanitary or storm sewers are required. The visual effect of the Project is expected to be modest. Although the surface heights of sidewalks and streets will be increased relative to the neighboring buildings, filling and grading the edges of front lawns and raising and reconstructing driveways will smooth the transition from street/sidewalk to adjoining properties, minimizing the overall visual effect of the grade changes. Except where houses have narrow setbacks, the altered grades will not extend as far as the ground immediately adjoining the fronts of building foundations. Aside from the four buildings fronting on Eastern Parkway, grade alterations are not planned to extend along the sides of houses.

Review of information in the New York State Historic Preservation Office's (SHPO) Cultural Resources Information System (NY-CRIS) found that the Project is situated in an area rated as archaeologically sensitive by the SHPO, presumably due to its proximity to the tidal shoreline. However, the NY-CRIS database records no pre-contact period Native American sites within at least 5 miles of the Project area. Moreover, the Project is situated on four fingers of filled land separated by artificial bulkheaded canals. Historical topographic maps and coast charts show that the present land surface was created early in the twentieth century (probably 1910-1920) by dredging and filling tidal wetlands. The archaeological sensitivity of the Project area is therefore judged to be low.

The Project will affect front or side yard areas of 65 properties, including five that were vacant as of mid-2016. The remaining 60 properties comprise 59 detached houses and one church. In most instances, the front portion of the property, containing the front yard, walk, and/or driveway, is the involved section. However, the project also affects the side yards of four properties fronting on Eastern Parkway, including two at the intersection of Hayes Place, and one each at the intersections of Van Buren Place and Jackson Place. The project area is a mix of historic (built before 1974) and recent houses, primarily wood-framed. According to county tax records, 72 percent (43 of 60) of the houses and church in the neighborhood were built before 1973 and are therefore at least 45 year old. These historic period houses have been altered to varying degrees. Alterations include installation of vinyl or aluminum siding, replacement of windows, renovations that raise or alter the configuration of the roof, additions that expand the footprint, and in some instances such extensive renovation that the original house structure is no longer evident. NY-CRIS inventories six buildings in the project area, none of which have been evaluated as eligible for the National Register of Historic Places (NRHP). Review of tax card photographs available online from Nassau County and streetviews on Google Earth indicates that none of the adjoining buildings appears to be NRHP eligible and that the no NRHP-eligible historic district is present in the affected area.

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. On balance, GOSR's assessment is that the project will result in no historic properties affected. No comment on the Project have been received from the SHPO to date.

GOSR is completing an environmental review for this Project in accordance with HUD NEPA regulations. If the Area of Potential Effects encompasses historic properties of religious or cultural significance to your Tribe, please respond within

30 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.

Address for mail correspondence:

Matt Accardi
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

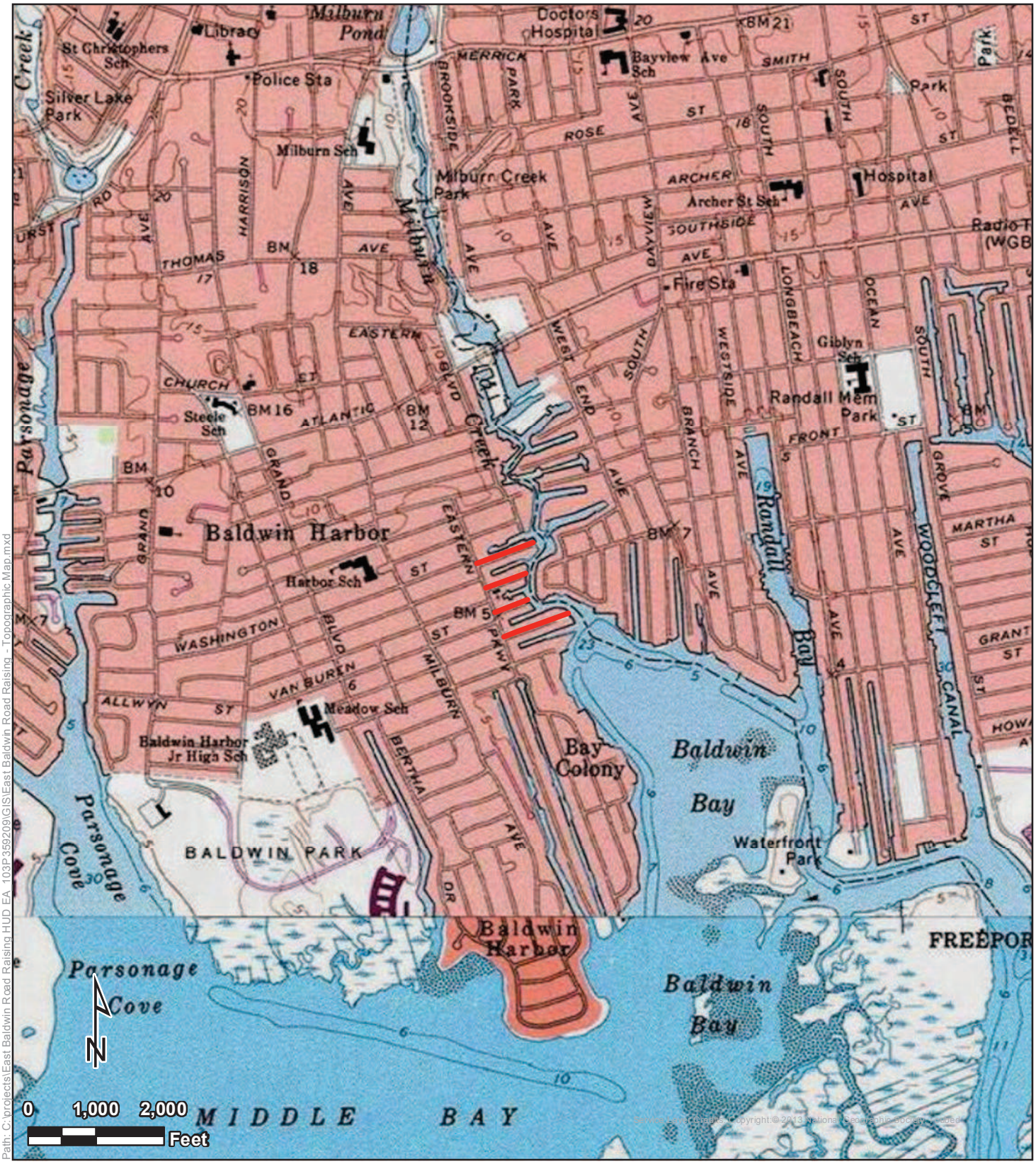
I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (212) 480-6265 or via email at Matt.Accardi@stormrecovery.ny.gov.

Sincerely,

Matt Accardi
Deputy Director
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

Enclosures:
Project Location Map
List of Adjoining Properties
Site Plan

Electronic letter sent to:
Susan Bachor
Delaware Tribe of Indians Historic Preservation Representative
P.O. Box 64
Pocono Lake, PA 73005



Topographic Map

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 1

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Topographic Map.mxd

List of Affected / Adjoining Properties

East Baldwin Road Raising Project

Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

3760 - Baldwin Address and Tax Lots 3/3/2017

Washington Place

	Address	Section	Block	Lot
	1093	54	360	1197
	1107	54	360	1198
V	1115	54	360	91,93
	1123	54	360	694, 695, 696, 697
	1127	54	360	698, 699
	1131	54	360	700
	1133	54	360	708
	1137	54	360	709
	9	54	360	1199
	7	54	360	1200
	5	54	360	707, 36
	1149	54	360	37, 38, 39, 40, 41
	1094	54	359	756
	2	54	359	727, 728
	4	54	359	722, 723, 724, 725, 726
USN	1124	54	359	718, 719, 720, 721
	10	54	359	716, 717
USN	1134	54	359	714, 715
	12	54	359	712, 713
	1142	54	359	709, 710, 711
	1144	54	359	42, 43, 44, 708*
V	11	54	359	45, 46, 47

Hayes Place

	Address	Section	Block	Lot
	3139	54	359	739, 740, 741, 742, 743
	1111	54	359	744, 745, 746, 747
	1117	54	359	748, 749
USN	1125	54	359	750, 751, 752, 753, 754
	1133	54	359	48, 49, 50, 51
	3159	54	358	766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776
	1112	54	358	763, 764, 765
	1118	54	358	760, 761, 762
	1124	54	358	757, 758, 759
	1130	54	358	52, 53, 755, 756

Van Buren Place

	Address	Section	Block	Lot
	1093	54	358	777, 778, 779
	1101	54	358	780, 781, 782
	1107	54	358	783, 784, 785
	1111	54	358	786, 787, 788, 789
	1125	54	358	790, 791, 792
	3177	54	357	806, 807, 808, 809
	1104	54	357	804, 805
	1108	54	357	802, 803
V	8	54	357	797, 798, 799, 800, 801
USN/V	1122	54	357	795, 796
	1126	54	357	793, 794
	1130	54	357	835, 837

Jackson Place

	Address	Section	Block	Lot
	3199	54	357	832
	1103	54	357	831
	1109	54	357	820, 821, 822
	1115	54	357	823, 824, 825
	1123	54	357	826, 827, 828, 829
	1131	54	357	830, 55, 56, 57
	19	54	357	158
	25	54	357	160, 834
	1159	54	357	833
	1094	54	356	871
USN/V	1106	54	356	841, 842, 843
	1112	54	356	838, 839, 840
	1116	54	356	835, 836, 837
	1126	54	356	831, 832, 833, 834
	1132	54	356	63, 64, 65, 66
USN	1138	54	356	67, 68
	1142	54	356	69, 70
	1150	54	356	71, 72, 73, 74
	1154	54	356	75, 76
	1158	54	356	879
	1160	54	356	878

Source: Courtesy of Town of Hempstead, NY

***USN** – Unique Site Number—the property has a USN because it appears in the NY-CRIS historic architecture inventory.*

***V** – Property was vacant as of mid-2016. If USN/V, property was inventoried before demolition.*

**One of the lots at 1144 Washington Place, 54-359-708, appears in online records as a separate tax parcel with the address "10 Field Place."*

In addition to the above-listed properties, the project involves side yards of four properties on Eastern Parkway at the intersections of Hayes Place, Jackson Place, and Van Buren Place:

Eastern Parkway

Address	Section	Block	Lot	Intersection
3139	54	359	739	Hayes Pl. north side
3147-3159**	54	358	766	Hayes Pl. south side
3177	54	357	806	Van Buren Pl. south side
3199	54	357	832	Jackson Pl. north side

***South Nassau Christian Church and adjoining parsonage house.*

Storm Water Drainage Structures Table

Location	Structure No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
			HAYES PLACE			
STA 0+24 / 28.0' L	1	MH (EX)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.30		Raise Ex. CB grate to 4.10
STA 0+76 / 15.0' R	3	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.29		Raise Ex. CB grate to 4.10
STA 4+52 /15.0' L	4	CB (EX)	GRATE (EX)	2.31		Demolish Ex CB 4
STA 4+52 /15.0' L	4A	Type B - Mod. (4'x6') CB	Type A Grate	4.15		
STA 4+46 / 8.0' R	5	MH (EX)	COVER / RIM	2.60		Demolish Ex MH 5
STA 4+46 / 7.0' R	53	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.50		
STA 4+47 / 15.0' R	6	CB (EX)	GRATE (EX)	2.39		Demolish Ex CB 6
STA 4+52 / 15.0' R	6A	Type A - CB	Type A Grate	4.15		
STA 2+85 / 15.0' R	50	Type A - CB	Type A Grate	4.10		
STA 2+90 / 7.0' R	51	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.55		
STA 2+85 / 15.0' L	52	Type A - CB	Type A Grate	4.10		
			VAN BUREN PLACE			
STA 0+29 / 9.0' R	8	MH (EX)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX)	INLET (EX)		3.50	Alter CB / Raise Inlet to 4.13
STA 0+80 / 15.0' R	10	CB (EX)	GRATE (EX)	3.54		Raise Ex. CB grate to 4.10
STA 3+42 / 15.0' L	11	CB (EX)	GRATE (EX)	2.68		Demolish Ex CB 11
STA 3+42 / 15.0' L	11A	Type B - Mod. (4'x6') CB	Type A Grate	4.12		
STA 3+42 / 15.0' R	12	CB (EX)	GRATE (EX)	2.78		Demolish Ex CB 12
STA 3+42 / 15.0' L	12A	Type A - CB	Type A Grate	4.12		
STA 2+60 / 15.0' L	84	Type A - CB	Type A Grate	4.12		
STA 2+67 / 6.0' R	85	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.54		
STA 2+60 / 15.0' R	86	Type A - CB	Type A Grate	4.12		
STA 3+37 / 6.0' R	87	Type A - MH	TOH Drain / HD Cover & Frame	4.54		
			JACKSON PLACE			
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX)	INLET (EX)		3.42	Alter CB / Raise Inlet to 4.08
STA 0+84 / 15.0' R	16	CB (EX)	GRATE (EX)	3.57		Raise Ex. CB grate to 4.08
STA 4+37 / 15.0' L	17	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		Demolish Ex MH 18
STA 4+35 / 5.0' R	18A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+36 / 15.0' R	19	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 7+44 / 15.0' L	21	CB (EX)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	21A	Type A - CB	Type A Grate	4.03		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	22A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.45		
STA 7+45 / 15.0' R	23	CB (EX.)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	23A	Type A - CB	Type A Grate	4.03		
STA 5+90 / 15.0' R	54	Type A CB	Type A Grate	4.00		
STA 5+98 / 5.0' R	55	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 5+90 / 15.0' L	56	Type A - CB	Type A Grate	4.00		
			WASHINGTON PLACE			
STA 0+20 / 33.0' R	64	CB (EX)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX)	INLET (EX)		4.17	Lower Inlet to 4.05
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX)	GRATE (EX)	3.28		Raise Ex. CB grate to 4.00
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		Raise Ex. CB grate to 4.45
STA 2+66 / 14.0' R	71	CB (EX)	GRATE (EX)	3.27		Raise Ex. CB grate to 4.00
STA 2+66 / 4.5' L	72	CB (EX)	GRATE (EX)	3.09		Raise Ex. CB grate to 4.00
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		Raise Ex. CB grate to 4.42
STA 2+69 / 14.0' L	74	CB (EX)	GRATE (EX)	3.14		Raise Ex. CB grate to 4.00
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		Raise MH Rim to 4.60
STA 6+26 / 5.0' R	76	CB (EX.)	GRATE (EX)	3.12		Demolish Ex CB 76
STA 6+26 / 14.0' L	76A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		Raise Ex. MH Rim to 4.45
STA 6+24 / 4.5' R	78	CB (EX.)	GRATE (EX)	2.81		Demolish Ex CB 78
STA 6+22 / 14.0' R	78A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		Raise Ex. MH Rim to 4.60
STA 4+25 / 14.0' L	81	Type A - CB	Type A Grate	4.00		
STA 4+25 / 5.0' R	82	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+17 / 14.0' R	83	Type A - CB	Type A Grate	4.00		
DRIVEWAY AND YARD DRAINS						
			HAYES PLACE			
RES # 3139 E. Pkwy	DDH1	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDH2	12" Dia Dwy Drain	12" Dia Grate	4.10		Inv. 1.2 (S/S) - 8" PVC
RES # 1125	DDH3	12" Dia Dwy Drain	12" Dia Grate	3.50		Inv. 1.2 (S/S) - 8" PVC
RES # 1133	DDH4	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1130	DDH5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH6	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH7	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			VAN BUREN PLACE			
RES # 1111	DDV1	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDV2	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES #1126	DDV3	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (N/S) - 8" PVC
RES # 8	DDV4	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 8	DDV5	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1104	DDV6	12" Dia Dwy Drain	12" Dia Grate	4.30		Inv. 1.2 (N/S) - 8" PVC
			JACKSON PLACE			
RES # 3199 E. Pkwy	DDJ1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ2	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ3	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1131	DDJ4	12" Dia Yard Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 19	DDJ5	12" Dia Dwy Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ6	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ8	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ9	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1132	DDJ10	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 1106	DDJ11	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1094	DDJ12	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			WASHINGTON PLACE			
RES # 1107	DDW1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1115	DDW2	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDW3	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1127	DDW4	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 9	DDW5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 7	DDW6	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 5	DDW7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 12	DDW8	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1134	DDW9	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1124	DDW10	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
VACANT	DDW11	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Length	Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX.)	26'	18" Dia.		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX.)	50'	18" Dia.		
MH 1				0.15	(EX)
CB 50				0.70	
TO	HDPE PIPE	8'	15" Dia.		
MH 51				0.55	
CB 52				0.70	
TO	HDPE PIPE	20'	15" Dia.		
MH 51				0.55	
MH 51				0.50	
TO	HDPE PIPE	158'	18" Dia.		
MH 53				0.10	
CB 6A				0.60	
TO	Class 5 - RCP	9'	15" Dia.		
MH 53				0.40	
MH 53				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 4A				-0.10	
CB 4A				-0.10	
TO	HDPE PIPE	30'	18" Dia.		
OUTFALL 7A				-0.30	AT BULKHEAD
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX.)	28'	18" Dia.		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX.)	48'	18" Dia.		
MH 8				-0.61	(EX)
CB 84				0.60	
TO	HDPE PIPE	20'	15" Dia.		
MH 85				0.40	
CB 86				0.60	
TO	HDPE PIPE	7'	15" Dia.		
MH 85				0.40	
MH 85				0.30	
TO	HDPE PIPE	72'	18" Dia.		
MH 87				0.10	
CB 12A				0.40	
TO	HDPE PIPE	6'	15" Dia.		
MH 87				0.20	
MH 87				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 11A				-0.15	
CB 11A				-0.20	
TO	HDPE PIPE	58'	18" Dia.		
OUTFALL 13A				-0.40	AT BULKHEAD
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX.)	28'	18" Dia.		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX.)	54'	18" Dia.		
MH 14				-1.23	(EX)
CB 88				0.50	
TO	HDPE PIPE	21'	15" Dia.		
MH 89				0.45	
CB 90				0.60	
TO	HDPE PIPE	12'	15" Dia.		
MH 89				0.45	
MH 89				0.40	
TO	HDPE PIPE	102'	18" Dia.		
MH 18				0.10	
CB 19				0.70	(EX)
TO	HDPE PIPE	5'	15" Dia.		
MH 18A				0.50	
CB 17				0.70	
TO	HDPE PIPE	16'	15" Dia.		
MH 18A				0.50	
MH 18A				0.00	
TO	HDPE PIPE	158'	18" Dia.		
MH 55				-0.40	
CB 54				0.40	
TO	HDPE PIPE	10'	15" Dia.		
MH 55				0.20	
CB 56				0.40	
TO	HDPE PIPE	20'	15" Dia.		
MH 55				0.20	
MH 55				-0.45	
TO	HDPE PIPE	142'	18" Dia.		
MH 22A				-0.80	
CB 23A				0.40	
TO	HDPE PIPE	12'	15" Dia.		
MH 22A				0.20	
CB 21A				0.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 22A				0.20	
MH 22A				-0.85	
TO	HDPE PIPE	42'	18" Dia.		
OUTFALL 24A				-1.00	AT BULKHEAD
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX.)	38'	18" Dia.		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX.)	16'	18" Dia.		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX.)	6'	18" Dia.		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX.)	200'	30" Dia.		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX.)	15'	18" Dia.		
MH 73				-0.05	
CB 74				-0.40	
TO	RCP (EX.)	4'	18" Dia.		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX.)	52'	30" Dia.		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX.)	105'	30" Dia.		
MH 82				-2.75	
CB 81				0.30	
TO	HDPE PIPE	18'	15" Dia.		
MH 82				0.10	
CB 83				0.30	
TO	HDPE PIPE	8'	15" Dia.		
MH 82				0.10	
MH 82				-2.75	
TO	RCP (EX.)	198'	30" Dia.		
MH 77				-3.80	(EX)
CB 76A				-1.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 77				-1.60	
CB 78A				-1.40	
TO	HDPE PIPE	6'	18" Dia.		
MH 77				-1.60	
MH 77				-3.80	
TO	RCP (EX.)	8'	30" Dia.		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX.)	38'	30" Dia.		
OUTFALL 80				-3.35	At bulkhead

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER: SP
DRAWN BY: JEZ/FF
DESIGNED BY: JC
CHECKED BY: WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: 1"=100'
DRAWING NO. G4

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

March 10, 2017

Shannon Holsey, President
Stockbridge-Munsee Community, Band of the Mohicans
N8476 Moh He Con Nuck Road
Bowler, WI 54416

Re: Section 106 Discussion
East Baldwin Road Raising Project, 1093 Washington Place to 1160 Jackson Place
Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

Dear President Shannon Holsey:

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 Community 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 to elevate the surfaces of four waterfront streets by 6 to 24 inches adjoining the tidal section of Millburn Creek on the South Shore of Long Island in the Hamlet of Baldwin, Town of Hempstead, Nassau County. The Project is intended to enhance the resiliency of the surrounding neighborhood by reducing the vulnerability of the streets to flooding. 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 notification is being sent to the Delaware Nation, Delaware Tribe of Indians, Shinnecock Nation, Stockbridge-Munsee Community Band of Mohicans, and Unkechaug Indian Nation.

Area of Potential Effects (APE): GOSR proposes to fund an application from the Town of Hempstead to elevate the road surfaces and adjoining sidewalks of the easternmost blocks of four neighboring streets in the Hamlet of Baldwin: Washington Place, Hayes Place, Van Buren Place, and Jackson Place. The project area is located between Eastern Parkway and Millburn Creek in the vicinity of Lat. 40.6349231°, Long. -73.5982643°. The project's direct area of potential effects (direct APE) resulting from construction-related ground disturbances is 3.1± acres. The work areas adjoin a total of 65 properties, whose extent beyond the limits of construction comprise the indirect APE. The total APE, including the direct APE and the full area of the adjoining parcels, is roughly rectangular and covers 11.7± acres.

Proposed Project Description: Under the Project, the four streets and their adjoining sidewalks will be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA) 10-year still water level. At their western ends, the streets will be sloped down to the level of Eastern Parkway. No construction will take place in Eastern Parkway, but the Project does involve the side yards of several properties fronting on that street. Depending on local topography, the surface elevations of streets and sidewalks will typically be increased by 6 to 18 inches, with a maximum

increase of approximately 24 inches. In addition to elevating and reconstructing streets and sidewalks, the project will involve necessary resetting, upgrade, or reconstruction of street infrastructure such as curbing, catch basins, manholes, signage, etc., Check valves at storm sewer outfalls will be installed, and, as needed, street end bulkheads will be reconstructed to minimum elevations of 7.5 feet NGVD to reduce the potential for future flooding.

The Project requires removal of existing street surfaces, curbs, and sidewalks, alterations to storm drainage elements, filling, grading, and pavement replacement on streets and sidewalks. The combined Project length for the four streets is approximately 2,215 linear feet between the saw cut lines on Eastern Parkway and the street ends by the Millburn Creek bulkheads. Construction will extend beyond sidewalk edges into existing frontages, or in four instances side yards, generally occupied by lawns and driveways, by up to approximately 15 feet, but typically less. Along each street, the Project width varies, but averages approximately 60 feet wide, typically comprising 30 feet of street, 8 feet of curb and sidewalk, and up to 22 feet of lawn or driveway. Depth of ground disturbance will vary from no more than a few inches at the edge construction in lawns to up to several feet in the existing streets if upgrades to sanitary or storm sewers are required. The visual effect of the Project is expected to be modest. Although the surface heights of sidewalks and streets will be increased relative to the neighboring buildings, filling and grading the edges of front lawns and raising and reconstructing driveways will smooth the transition from street/sidewalk to adjoining properties, minimizing the overall visual effect of the grade changes. Except where houses have narrow setbacks, the altered grades will not extend as far as the ground immediately adjoining the fronts of building foundations. Aside from the four buildings fronting on Eastern Parkway, grade alterations are not planned to extend along the sides of houses.

Review of information in the New York State Historic Preservation Office's (SHPO) Cultural Resources Information System (NY-CRIS) found that the Project is situated in an area rated as archaeologically sensitive by the SHPO, presumably due to its proximity to the tidal shoreline. However, the NY-CRIS database records no pre-contact period Native American sites within at least 5 miles of the Project area. Moreover, the Project is situated on four fingers of filled land separated by artificial bulkheaded canals. Historical topographic maps and coast charts show that the present land surface was created early in the twentieth century (probably 1910-1920) by dredging and filling tidal wetlands. The archaeological sensitivity of the Project area is therefore judged to be low.

The Project will affect front or side yard areas of 65 properties, including five that were vacant as of mid-2016. The remaining 60 properties comprise 59 detached houses and one church. In most instances, the front portion of the property, containing the front yard, walk, and/or driveway, is the involved section. However, the project also affects the side yards of four properties fronting on Eastern Parkway, including two at the intersection of Hayes Place, and one each at the intersections of Van Buren Place and Jackson Place. The project area is a mix of historic (built before 1974) and recent houses, primarily wood-framed. According to county tax records, 72 percent (43 of 60) of the houses and church in the neighborhood were built before 1973 and are therefore at least 45 year old. These historic period houses have been altered to varying degrees. Alterations include installation of vinyl or aluminum siding, replacement of windows, renovations that raise or alter the configuration of the roof, additions that expand the footprint, and in some instances such extensive renovation that the original house structure is no longer evident. NY-CRIS inventories six buildings in the project area, none of which have been evaluated as eligible for the National Register of Historic Places (NRHP). Review of tax card photographs available online from Nassau County and streetviews on Google Earth indicates that none of the adjoining buildings appears to be NRHP eligible and that the no NRHP-eligible historic district is present in the affected area.

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. On balance, GOSR's assessment is that the project will result in no historic properties affected. No comment on the Project have been received from the SHPO to date.

GOSR is completing an environmental review for this Project in accordance with HUD NEPA regulations. If the Area of Potential Effects encompasses historic properties of religious or cultural significance to your Community, please respond

within 30 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.

Address for mail correspondence:

Matt Accardi
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

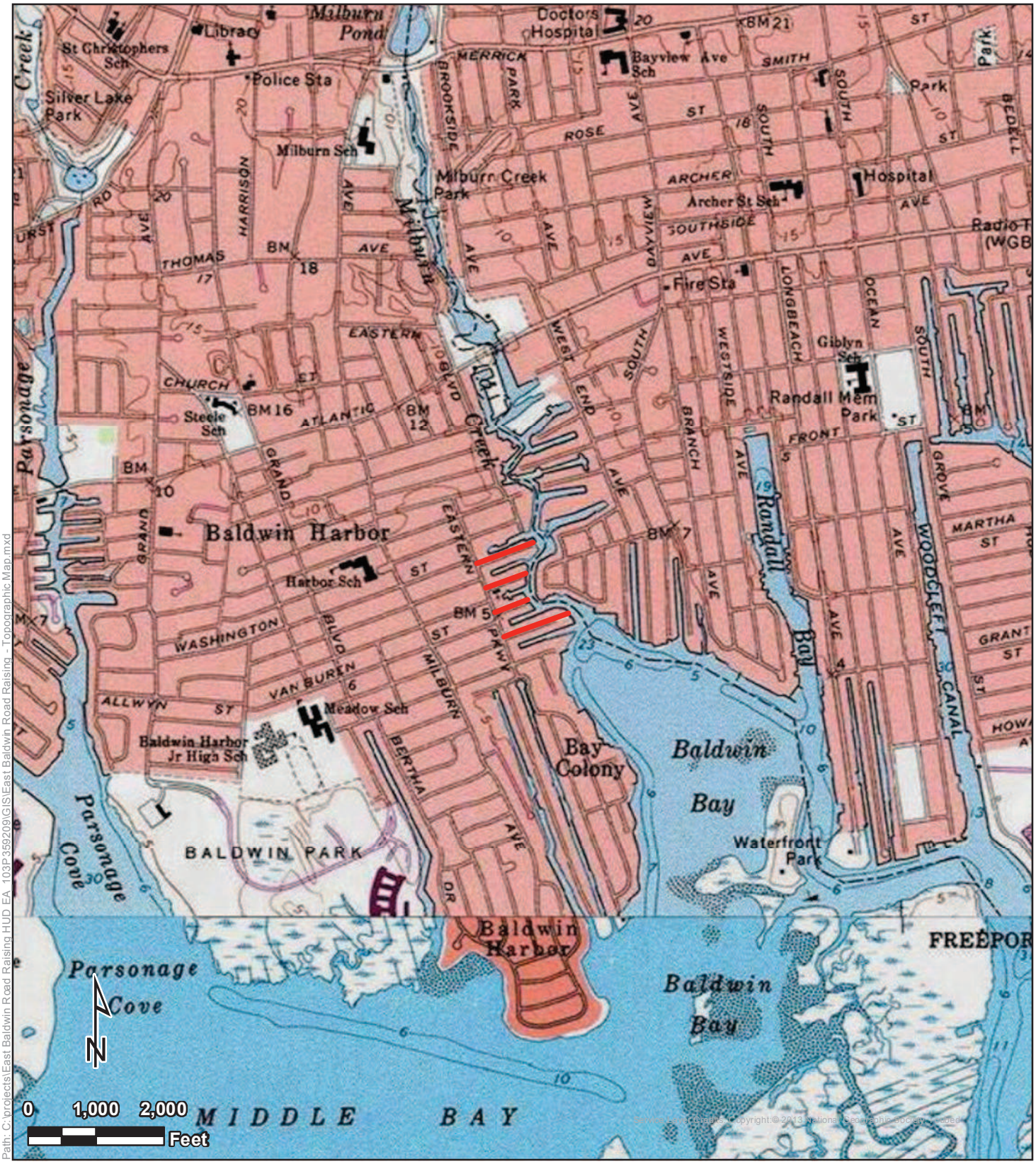
I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (212) 480-6265 or via email at Matt.Accardi@stormrecovery.ny.gov.

Sincerely,

Matt Accardi
Deputy Director
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

Enclosures:
Project Location Map
List of Adjoining Properties
Site Plan

Electronic letter sent to:
Bonney Hartley
THPO, New York Office
Stockbridge-Munsee Community, Band of the Mohicans
65 1st Street
Troy, NY 12180



Topographic Map

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 1

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Topographic Map.mxd

List of Affected / Adjoining Properties

East Baldwin Road Raising Project

Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

3760 - Baldwin Address and Tax Lots 3/3/2017

Washington Place

	Address	Section	Block	Lot
	1093	54	360	1197
	1107	54	360	1198
V	1115	54	360	91,93
	1123	54	360	694, 695, 696, 697
	1127	54	360	698, 699
	1131	54	360	700
	1133	54	360	708
	1137	54	360	709
	9	54	360	1199
	7	54	360	1200
	5	54	360	707, 36
	1149	54	360	37, 38, 39, 40, 41
	1094	54	359	756
	2	54	359	727, 728
	4	54	359	722, 723, 724, 725, 726
USN	1124	54	359	718, 719, 720, 721
	10	54	359	716, 717
USN	1134	54	359	714, 715
	12	54	359	712, 713
	1142	54	359	709, 710, 711
	1144	54	359	42, 43, 44, 708*
V	11	54	359	45, 46, 47

Hayes Place

	Address	Section	Block	Lot
	3139	54	359	739, 740, 741, 742, 743
	1111	54	359	744, 745, 746, 747
	1117	54	359	748, 749
USN	1125	54	359	750, 751, 752, 753, 754
	1133	54	359	48, 49, 50, 51
	3159	54	358	766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776
	1112	54	358	763, 764, 765
	1118	54	358	760, 761, 762
	1124	54	358	757, 758, 759
	1130	54	358	52, 53, 755, 756

Van Buren Place

	Address	Section	Block	Lot
	1093	54	358	777, 778, 779
	1101	54	358	780, 781, 782
	1107	54	358	783, 784, 785
	1111	54	358	786, 787, 788, 789
	1125	54	358	790, 791, 792
	3177	54	357	806, 807, 808, 809
	1104	54	357	804, 805
	1108	54	357	802, 803
V	8	54	357	797, 798, 799, 800, 801
USN/V	1122	54	357	795, 796
	1126	54	357	793, 794
	1130	54	357	835, 837

Jackson Place

	Address	Section	Block	Lot
	3199	54	357	832
	1103	54	357	831
	1109	54	357	820, 821, 822
	1115	54	357	823, 824, 825
	1123	54	357	826, 827, 828, 829
	1131	54	357	830, 55, 56, 57
	19	54	357	158
	25	54	357	160, 834
	1159	54	357	833
	1094	54	356	871
USN/V	1106	54	356	841, 842, 843
	1112	54	356	838, 839, 840
	1116	54	356	835, 836, 837
	1126	54	356	831, 832, 833, 834
	1132	54	356	63, 64, 65, 66
USN	1138	54	356	67, 68
	1142	54	356	69, 70
	1150	54	356	71, 72, 73, 74
	1154	54	356	75, 76
	1158	54	356	879
	1160	54	356	878

Source: Courtesy of Town of Hempstead, NY

***USN** – Unique Site Number—the property has a USN because it appears in the NY-CRIS historic architecture inventory.*

***V** – Property was vacant as of mid-2016. If USN/V, property was inventoried before demolition.*

**One of the lots at 1144 Washington Place, 54-359-708, appears in online records as a separate tax parcel with the address "10 Field Place."*

In addition to the above-listed properties, the project involves side yards of four properties on Eastern Parkway at the intersections of Hayes Place, Jackson Place, and Van Buren Place:

Eastern Parkway

Address	Section	Block	Lot	Intersection
3139	54	359	739	Hayes Pl. north side
3147-3159**	54	358	766	Hayes Pl. south side
3177	54	357	806	Van Buren Pl. south side
3199	54	357	832	Jackson Pl. north side

***South Nassau Christian Church and adjoining parsonage house.*

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
			HAYES PLACE			
STA 0+24 / 28.0' L	1	MH (EX)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.30		Raise Ex. CB grate to 4.10
STA 0+76 / 15.0' R	3	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.29		Raise Ex. CB grate to 4.10
STA 4+52 /15.0' L	4	CB (EX)	GRATE (EX)	2.31		Demolish Ex CB 4
STA 4+52 /15.0' L	4A	Type B - Mod. (4'x6') CB	Type A Grate	4.15		
STA 4+46 / 8.0' R	5	MH (EX)	COVER / RIM	2.60		Demolish Ex MH 5
STA 4+46 / 7.0' R	53	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.50		
STA 4+47 / 15.0' R	6	CB (EX)	GRATE (EX)	2.39		Demolish Ex CB 6
STA 4+52 / 15.0' R	6A	Type A - CB	Type A Grate	4.15		
STA 2+85 / 15.0' R	50	Type A - CB	Type A Grate	4.10		
STA 2+90 / 7.0' R	51	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.55		
STA 2+85 / 15.0' L	52	Type A - CB	Type A Grate	4.10		
			VAN BUREN PLACE			
STA 0+29 / 9.0' R	8	MH (EX)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX)	INLET (EX)		3.50	Alter CB / Raise Inlet to 4.13
STA 0+80 / 15.0' R	10	CB (EX)	GRATE (EX)	3.54		Raise Ex. CB grate to 4.10
STA 3+42 / 15.0' L	11	CB (EX)	GRATE (EX)	2.68		Demolish Ex CB 11
STA 3+42 / 15.0' L	11A	Type B - Mod. (4'x6') CB	Type A Grate	4.12		
STA 3+42 / 15.0' R	12	CB (EX)	GRATE (EX)	2.78		Demolish Ex CB 12
STA 3+42 / 15.0' R	12A	Type A - CB	Type A Grate	4.12		
STA 2+60 / 15.0' L	84	Type A - CB	Type A Grate	4.12		
STA 2+67 / 6.0' R	85	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.54		
STA 2+60 / 15.0' R	86	Type A - CB	Type A Grate	4.12		
STA 3+37 / 6.0' R	87	Type A - MH	TOH Drain / HD Cover & Frame	4.54		
			JACKSON PLACE			
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX)	INLET (EX)		3.42	Alter CB / Raise Inlet to 4.08
STA 0+84 / 15.0' R	16	CB (EX)	GRATE (EX)	3.57		Raise Ex. CB grate to 4.08
STA 4+37 / 15.0' L	17	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		Demolish Ex MH 18
STA 4+35 / 5.0' R	18A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+36 / 15.0' R	19	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 7+44 / 15.0' L	21	CB (EX)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	21A	Type A - CB	Type A Grate	4.03		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	22A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.45		
STA 7+45 / 15.0' R	23	CB (EX)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	23A	Type A - CB	Type A Grate	4.03		
STA 5+90 / 15.0' R	54	Type A CB	Type A Grate	4.00		
STA 5+98 / 5.0' R	55	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 5+90 / 15.0' L	56	Type A - CB	Type A Grate	4.00		
			WASHINGTON PLACE			
STA 0+20 / 33.0' R	64	CB (EX)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX)	INLET (EX)		4.17	Lower Inlet to 4.05
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX)	GRATE (EX)	3.28		Raise Ex. CB grate to 4.00
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		Raise Ex. CB grate to 4.45
STA 2+66 / 14.0' R	71	CB (EX)	GRATE (EX)	3.27		Raise Ex. CB grate to 4.00
STA 2+66 / 4.5' L	72	CB (EX)	GRATE (EX)	3.09		Raise Ex. CB grate to 4.00
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		Raise Ex. CB grate to 4.42
STA 2+69 / 14.0' L	74	CB (EX)	GRATE (EX)	3.14		Raise Ex. CB grate to 4.00
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		Raise MH Rim to 4.60
STA 6+26 / 5.0' R	76	CB (EX)	GRATE (EX)	3.12		Demolish Ex CB 76
STA 6+26 / 14.0' L	76A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		Raise Ex. MH Rim to 4.45
STA 6+24 / 4.5' R	78	CB (EX)	GRATE (EX)	2.81		Demolish Ex CB 78
STA 6+22 / 14.0' R	78A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		Raise Ex. MH Rim to 4.60
STA 4+25 / 14.0' L	81	Type A - CB	Type A Grate	4.00		
STA 4+25 / 5.0' R	82	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+17 / 14.0' R	83	Type A - CB	Type A Grate	4.00		
DRIVEWAY AND YARD DRAINS						
			HAYES PLACE			
RES # 3139 E. Pkwy	DDH1	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDH2	12" Dia Dwy Drain	12" Dia Grate	4.10		Inv. 1.2 (S/S) - 8" PVC
RES # 1125	DDH3	12" Dia Dwy Drain	12" Dia Grate	3.50		Inv. 1.2 (S/S) - 8" PVC
RES # 1133	DDH4	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1130	DDH5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH6	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH7	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			VAN BUREN PLACE			
RES # 1111	DDV1	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDV2	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES #1126	DDV3	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (N/S) - 8" PVC
RES # 8	DDV4	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 8	DDV5	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1104	DDV6	12" Dia Dwy Drain	12" Dia Grate	4.30		Inv. 1.2 (N/S) - 8" PVC
			JACKSON PLACE			
RES # 3199 E. Pkwy	DDJ1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ2	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ3	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1131	DDJ4	12" Dia Yard Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 19	DDJ5	12" Dia Dwy Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ6	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ8	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ9	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1132	DDJ10	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 1106	DDJ11	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1094	DDJ12	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			WASHINGTON PLACE			
RES # 1107	DDW1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1115	DDW2	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDW3	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1127	DDW4	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 9	DDW5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 7	DDW6	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 5	DDW7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 12	DDW8	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1134	DDW9	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1124	DDW10	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
VACANT	DDW11	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Length	Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX)	26'	18" Dia		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX)	50'	18" Dia		
MH 1				0.15	(EX)
CB 50				0.70	
TO	HDPE PIPE	8'	15" Dia.		
MH 51				0.55	
CB 52				0.70	
TO	HDPE PIPE	20'	15" Dia.		
MH 51				0.55	
MH 51				0.50	
TO	HDPE PIPE	158'	18" Dia.		
MH 53				0.10	
CB 6A				0.60	
TO	Class 5 - RCP	9'	15" Dia.		
MH 53				0.40	
MH 53				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 4A				-0.10	
CB 4A				-0.10	
TO	HDPE PIPE	30'	18" Dia.		
OUTFALL 7A				-0.30	AT BULKHEAD
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX)	48'	18" Dia		
MH 8				-0.61	(EX)
CB 84				0.60	
TO	HDPE PIPE	20'	15" Dia.		
MH 85				0.40	
CB 86				0.60	
TO	HDPE PIPE	7'	15" Dia.		
MH 85				0.40	
MH 85				0.30	
TO	HDPE PIPE	72'	18" Dia.		
MH 87				0.10	
CB 12A				0.40	
TO	HDPE PIPE	6'	15" Dia.		
MH 87				0.20	
MH 87				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 11A				-0.15	
CB 11A				-0.20	
TO	HDPE PIPE	58'	18" Dia.		
OUTFALL 13A				-0.40	AT BULKHEAD
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX)	54'	18" Dia		
MH 14				-1.23	(EX)
CB 88				0.50	
TO	HDPE PIPE	21'	15" Dia.		
MH 89				0.45	
CB 90				0.60	
TO	HDPE PIPE	12'	15" Dia.		
MH 89				0.45	
MH 89				0.40	
TO	HDPE PIPE	102'	18" Dia.		
MH 18				0.10	
CB 19				0.70	(EX)
TO	HDPE PIPE	5'	15" Dia.		
MH 18A				0.50	
CB 17				0.70	
TO	HDPE PIPE	16'	15" Dia.		
MH 18A				0.50	
MH 18A				0.00	
TO	HDPE PIPE	158'	18" Dia.		
MH 55				-0.40	
CB 54				0.40	
TO	HDPE PIPE	10'	15" Dia.		
MH 55				0.20	
CB 56				0.40	
TO	HDPE PIPE	20'	15" Dia.		
MH 55				0.20	
MH 55				-0.45	
TO	HDPE PIPE	142'	18" Dia.		
MH 22A				-0.80	
CB 23A				0.40	
TO	HDPE PIPE	12'	15" Dia.		
MH 22A				0.20	
CB 21A				0.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 22A				0.20	
MH 22A				-0.85	
TO	HDPE PIPE	42'	18" Dia.		
OUTFALL 24A				-1.00	AT BULKHEAD
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX)	38'	18" Dia		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX)	16'	18" Dia		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX)	6'	18" Dia		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX)	200'	30" Dia		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX)	15'	18" Dia		
MH 73				-0.05	
CB 74				-0.40	
TO	RCP (EX)	4'	18" Dia		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX)	52'	30" Dia		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX)	105'	30" Dia		
MH 82				-2.75	
CB 81				0.30	
TO	HDPE PIPE	18'	15" Dia.		
MH 82				0.10	
CB 83				0.30	
TO	HDPE PIPE	8'	15" Dia.		
MH 82				0.10	
MH 82				-2.75	
TO	RCP (EX)	198'	30" Dia		
MH 77				-3.80	(EX)
CB 76A				-1.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 77				-1.60	
CB 78A				-1.40	
TO	HDPE PIPE	6'	18" Dia.		
MH 77				-1.60	
MH 77				-3.80	
TO	RCP (EX)	8'	30" Dia		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX)	38'	30" Dia		
OUTFALL 80				-3.35	At bulkhead

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER: SP
DRAWN BY: JEZ/FF
DESIGNED BY: JC
CHECKED BY: WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING

NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO. 3760
DATE: JUNE 2016
SCALE: 1"=100'
DRAWING NO. G4

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

March 10, 2017

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

Re: Section 106 Discussion
East Baldwin Road Raising Project, 1093 Washington Place to 1160 Jackson Place
Hamlet of Baldwin, Town of Hempstead, Nassau 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 to elevate the surfaces of four waterfront streets by 6 to 24 inches adjoining the tidal section of Millburn Creek on the South Shore of Long Island in the Hamlet of Baldwin, Town of Hempstead, Nassau County. The Project is intended to enhance the resiliency of the surrounding neighborhood by reducing the vulnerability of the streets to flooding. 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 notification is being sent to the Delaware Nation, Delaware Tribe of Indians, Shinnecock Nation, Stockbridge-Munsee Community Band of Mohicans, and Unkechaug Indian Nation.

Area of Potential Effects (APE): GOSR proposes to fund an application from the Town of Hempstead to elevate the road surfaces and adjoining sidewalks of the easternmost blocks of four neighboring streets in the Hamlet of Baldwin: Washington Place, Hayes Place, Van Buren Place, and Jackson Place. The project area is located between Eastern Parkway and Millburn Creek in the vicinity of Lat. 40.6349231°, Long. -73.5982643°. The project's direct area of potential effects (direct APE) resulting from construction-related ground disturbances is 3.1± acres. The work areas adjoin a total of 65 properties, whose extent beyond the limits of construction comprise the indirect APE. The total APE, including the direct APE and the full area of the adjoining parcels, is roughly rectangular and covers 11.7± acres.

Proposed Project Description: Under the Project, the four streets and their adjoining sidewalks will be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA) 10-year still water level. At their western ends, the streets will be sloped down to the level of Eastern Parkway. No construction will take place in Eastern Parkway, but the Project does involve the side yards of several properties fronting on that street. Depending on local topography, the surface elevations of streets and sidewalks will typically be increased by 6 to 18 inches, with a maximum

increase of approximately 24 inches. In addition to elevating and reconstructing streets and sidewalks, the project will involve necessary resetting, upgrade, or reconstruction of street infrastructure such as curbing, catch basins, manholes, signage, etc., Check valves at storm sewer outfalls will be installed, and, as needed, street end bulkheads will be reconstructed to minimum elevations of 7.5 feet NGVD to reduce the potential for future flooding.

The Project requires removal of existing street surfaces, curbs, and sidewalks, alterations to storm drainage elements, filling, grading, and pavement replacement on streets and sidewalks. The combined Project length for the four streets is approximately 2,215 linear feet between the saw cut lines on Eastern Parkway and the street ends by the Millburn Creek bulkheads. Construction will extend beyond sidewalk edges into existing frontages, or in four instances side yards, generally occupied by lawns and driveways, by up to approximately 15 feet, but typically less. Along each street, the Project width varies, but averages approximately 60 feet wide, typically comprising 30 feet of street, 8 feet of curb and sidewalk, and up to 22 feet of lawn or driveway. Depth of ground disturbance will vary from no more than a few inches at the edge construction in lawns to up to several feet in the existing streets if upgrades to sanitary or storm sewers are required. The visual effect of the Project is expected to be modest. Although the surface heights of sidewalks and streets will be increased relative to the neighboring buildings, filling and grading the edges of front lawns and raising and reconstructing driveways will smooth the transition from street/sidewalk to adjoining properties, minimizing the overall visual effect of the grade changes. Except where houses have narrow setbacks, the altered grades will not extend as far as the ground immediately adjoining the fronts of building foundations. Aside from the four buildings fronting on Eastern Parkway, grade alterations are not planned to extend along the sides of houses.

Review of information in the New York State Historic Preservation Office's (SHPO) Cultural Resources Information System (NY-CRIS) found that the Project is situated in an area rated as archaeologically sensitive by the SHPO, presumably due to its proximity to the tidal shoreline. However, the NY-CRIS database records no pre-contact period Native American sites within at least 5 miles of the Project area. Moreover, the Project is situated on four fingers of filled land separated by artificial bulkheaded canals. Historical topographic maps and coast charts show that the present land surface was created early in the twentieth century (probably 1910-1920) by dredging and filling tidal wetlands. The archaeological sensitivity of the Project area is therefore judged to be low.

The Project will affect front or side yard areas of 65 properties, including five that were vacant as of mid-2016. The remaining 60 properties comprise 59 detached houses and one church. In most instances, the front portion of the property, containing the front yard, walk, and/or driveway, is the involved section. However, the project also affects the side yards of four properties fronting on Eastern Parkway, including two at the intersection of Hayes Place, and one each at the intersections of Van Buren Place and Jackson Place. The project area is a mix of historic (built before 1974) and recent houses, primarily wood-framed. According to county tax records, 72 percent (43 of 60) of the houses and church in the neighborhood were built before 1973 and are therefore at least 45 year old. These historic period houses have been altered to varying degrees. Alterations include installation of vinyl or aluminum siding, replacement of windows, renovations that raise or alter the configuration of the roof, additions that expand the footprint, and in some instances such extensive renovation that the original house structure is no longer evident. NY-CRIS inventories six buildings in the project area, none of which have been evaluated as eligible for the National Register of Historic Places (NRHP). Review of tax card photographs available online from Nassau County and streetviews on Google Earth indicates that none of the adjoining buildings appears to be NRHP eligible and that the no NRHP-eligible historic district is present in the affected area.

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. On balance, GOSR's assessment is that the project will result in no historic properties affected. No comment on the Project have been received from the SHPO to date.

GOSR is completing an environmental review for this Project in accordance with HUD NEPA regulations. If the Area of Potential Effects encompasses historic properties of religious or cultural significance to your Nation, please respond within

30 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.

Address for mail correspondence:

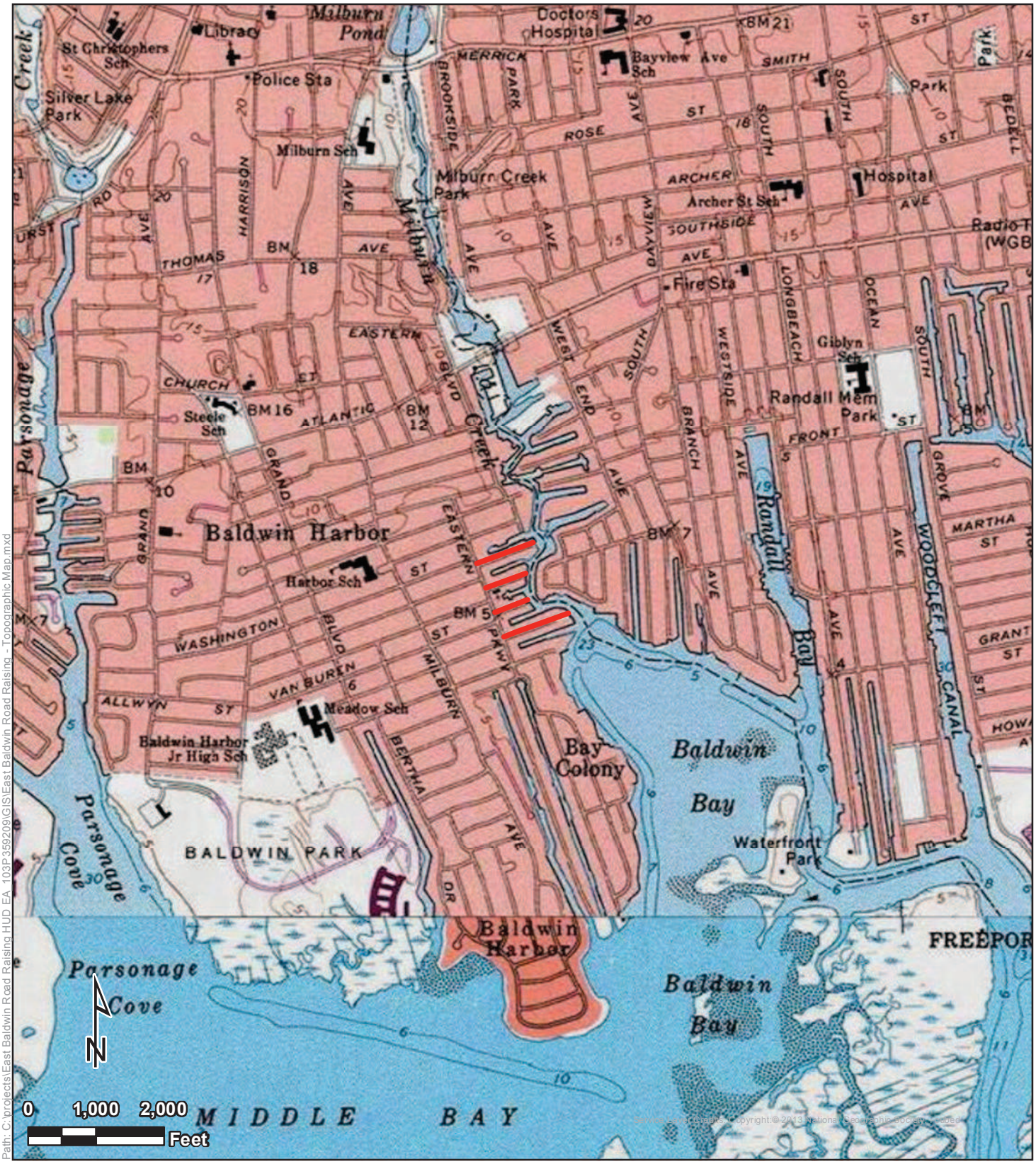
Matt Accardi
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

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 (212) 480-6265 or via email at Matt.Accardi@stormrecovery.ny.gov.

Sincerely,

Matt Accardi
Deputy Director
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

Enclosures:
Project Location Map
List of Adjoining Properties
Site Plan



Topographic Map

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 1

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Topographic Map.mxd

List of Affected / Adjoining Properties

East Baldwin Road Raising Project

Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

3760 - Baldwin Address and Tax Lots 3/3/2017

Washington Place

	Address	Section	Block	Lot
	1093	54	360	1197
	1107	54	360	1198
V	1115	54	360	91,93
	1123	54	360	694, 695, 696, 697
	1127	54	360	698, 699
	1131	54	360	700
	1133	54	360	708
	1137	54	360	709
	9	54	360	1199
	7	54	360	1200
	5	54	360	707, 36
	1149	54	360	37, 38, 39, 40, 41
	1094	54	359	756
	2	54	359	727, 728
	4	54	359	722, 723, 724, 725, 726
USN	1124	54	359	718, 719, 720, 721
	10	54	359	716, 717
USN	1134	54	359	714, 715
	12	54	359	712, 713
	1142	54	359	709, 710, 711
	1144	54	359	42, 43, 44, 708*
V	11	54	359	45, 46, 47

Hayes Place

	Address	Section	Block	Lot
	3139	54	359	739, 740, 741, 742, 743
	1111	54	359	744, 745, 746, 747
	1117	54	359	748, 749
USN	1125	54	359	750, 751, 752, 753, 754
	1133	54	359	48, 49, 50, 51
	3159	54	358	766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776
	1112	54	358	763, 764, 765
	1118	54	358	760, 761, 762
	1124	54	358	757, 758, 759
	1130	54	358	52, 53, 755, 756

Van Buren Place

	Address	Section	Block	Lot
	1093	54	358	777, 778, 779
	1101	54	358	780, 781, 782
	1107	54	358	783, 784, 785
	1111	54	358	786, 787, 788, 789
	1125	54	358	790, 791, 792
	3177	54	357	806, 807, 808, 809
	1104	54	357	804, 805
	1108	54	357	802, 803
V	8	54	357	797, 798, 799, 800, 801
USN/V	1122	54	357	795, 796
	1126	54	357	793, 794
	1130	54	357	835, 837

Jackson Place

	Address	Section	Block	Lot
	3199	54	357	832
	1103	54	357	831
	1109	54	357	820, 821, 822
	1115	54	357	823, 824, 825
	1123	54	357	826, 827, 828, 829
	1131	54	357	830, 55, 56, 57
	19	54	357	158
	25	54	357	160, 834
	1159	54	357	833
	1094	54	356	871
USN/V	1106	54	356	841, 842, 843
	1112	54	356	838, 839, 840
	1116	54	356	835, 836, 837
	1126	54	356	831, 832, 833, 834
	1132	54	356	63, 64, 65, 66
USN	1138	54	356	67, 68
	1142	54	356	69, 70
	1150	54	356	71, 72, 73, 74
	1154	54	356	75, 76
	1158	54	356	879
	1160	54	356	878

Source: Courtesy of Town of Hempstead, NY

***USN** – Unique Site Number—the property has a USN because it appears in the NY-CRIS historic architecture inventory.*

***V** – Property was vacant as of mid-2016. If USN/V, property was inventoried before demolition.*

**One of the lots at 1144 Washington Place, 54-359-708, appears in online records as a separate tax parcel with the address "10 Field Place."*

In addition to the above-listed properties, the project involves side yards of four properties on Eastern Parkway at the intersections of Hayes Place, Jackson Place, and Van Buren Place:

Eastern Parkway

Address	Section	Block	Lot	Intersection
3139	54	359	739	Hayes Pl. north side
3147-3159**	54	358	766	Hayes Pl. south side
3177	54	357	806	Van Buren Pl. south side
3199	54	357	832	Jackson Pl. north side

***South Nassau Christian Church and adjoining parsonage house.*

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
			HAYES PLACE			
STA 0+24 / 28.0' L	1	MH (EX)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.30		Raise Ex. CB grate to 4.10
STA 0+76 / 15.0' R	3	CB (EX)	REMOVE & REPLACE GRATE / FRAME	3.29		Raise Ex. CB grate to 4.10
STA 4+52 /15.0' L	4	CB (EX)	GRATE (EX)	2.31		Demolish Ex CB 4
STA 4+52 /15.0' L	4A	Type B - Mod. (4'x6) CB	Type A Grate	4.15		
STA 4+46 / 8.0' R	5	MH (EX)	COVER / RIM	2.60		Demolish Ex MH 5
STA 4+46 / 7.0' R	53	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.50		
STA 4+47 / 15.0' R	6	CB (EX)	GRATE (EX)	2.39		Demolish Ex CB 6
STA 4+52 / 15.0' R	6A	Type A - CB	Type A Grate	4.15		
STA 2+85 / 15.0' R	50	Type A - CB	Type A Grate	4.10		
STA 2+90 / 7.0' R	51	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.55		
STA 2+85 / 15.0' L	52	Type A - CB	Type A Grate	4.10		
			VAN BUREN PLACE			
STA 0+29 / 9.0' R	8	MH (EX)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX)	INLET (EX)		3.50	Alter CB / Raise Inlet to 4.13
STA 0+80 / 15.0' R	10	CB (EX)	GRATE (EX)	3.54		Raise Ex. CB grate to 4.10
STA 3+42 / 15.0' L	11	CB (EX)	GRATE (EX)	2.68		Demolish Ex CB 11
STA 3+42 / 15.0' L	11A	Type B - Mod. (4'x6) CB	Type A Grate	4.12		
STA 3+42 / 15.0' R	12	CB (EX)	GRATE (EX)	2.78		Demolish Ex CB 12
STA 3+42 / 15.0' L	12A	Type A - CB	Type A Grate	4.12		
STA 2+60 / 15.0' L	84	Type A - CB	Type A Grate	4.12		
STA 2+67 / 6.0' R	85	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.54		
STA 2+60 / 15.0' R	86	Type A - CB	Type A Grate	4.12		
STA 3+37 / 6.0' R	87	Type A - MH	TOH Drain / HD Cover & Frame	4.54		
			JACKSON PLACE			
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX)	INLET (EX)		3.42	Alter CB / Raise Inlet to 4.08
STA 0+84 / 15.0' R	16	CB (EX)	GRATE (EX)	3.57		Raise Ex. CB grate to 4.08
STA 4+37 / 15.0' L	17	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		Demolish Ex MH 18
STA 4+35 / 5.0' R	18A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+36 / 15.0' R	19	CB (EX)	GRATE (EX)	2.91		Raise Ex. CB grate to 4.00
STA 7+44 / 15.0' L	21	CB (EX)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	21A	Type A - CB	Type A Grate	4.03		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	22A	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.45		
STA 7+45 / 15.0' R	23	CB (EX)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	23A	Type A - CB	Type A Grate	4.03		
STA 5+90 / 15.0' R	54	Type A CB	Type A Grate	4.00		
STA 5+98 / 5.0' R	55	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 5+90 / 15.0' L	56	Type A - CB	Type A Grate	4.00		
			WASHINGTON PLACE			
STA 0+20 / 33.0' R	64	CB (EX)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX)	INLET (EX)		4.17	Lower Inlet to 4.05
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX)	GRATE (EX)	3.28		Raise Ex. CB grate to 4.00
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		Raise Ex. CB grate to 4.45
STA 2+66 / 14.0' R	71	CB (EX)	GRATE (EX)	3.27		Raise Ex. CB grate to 4.00
STA 2+66 / 4.5' L	72	CB (EX)	GRATE (EX)	3.09		Raise Ex. CB grate to 4.00
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		Raise Ex. CB grate to 4.42
STA 2+69 / 14.0' L	74	CB (EX)	GRATE (EX)	3.14		Raise Ex. CB grate to 4.00
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		Raise MH Rim to 4.60
STA 6+26 / 5.0' R	76	CB (EX)	GRATE (EX)	3.12		Demolish Ex CB 76
STA 6+26 / 14.0' L	76A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		Raise Ex. MH Rim to 4.45
STA 6+24 / 4.5' R	78	CB (EX)	GRATE (EX)	2.81		Demolish Ex CB 78
STA 6+22 / 14.0' R	78A	Type A CB	Type A Grate	4.00		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		Raise Ex. MH Rim to 4.60
STA 4+25 / 14.0' L	81	Type A - CB	Type A Grate	4.00		
STA 4+25 / 5.0' R	82	Type 3 - 4' Dia MH	TOH Drain / HD Cover & Frame	4.42		
STA 4+17 / 14.0' R	83	Type A - CB	Type A Grate	4.00		
DRIVEWAY AND YARD DRAINS						
			HAYES PLACE			
RES # 3139 E. Pkwy	DDH1	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDH2	12" Dia Dwy Drain	12" Dia Grate	4.10		Inv. 1.2 (S/S) - 8" PVC
RES # 1125	DDH3	12" Dia Dwy Drain	12" Dia Grate	3.50		Inv. 1.2 (S/S) - 8" PVC
RES # 1133	DDH4	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1130	DDH5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH6	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 3147 E. Pkwy	DDH7	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			VAN BUREN PLACE			
RES # 1111	DDV1	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 1111	DDV2	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES #1126	DDV3	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 8	DDV4	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 8	DDV5	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1104	DDV6	12" Dia Dwy Drain	12" Dia Grate	4.30		Inv. 1.2 (N/S) - 8" PVC
			JACKSON PLACE			
RES # 3199 E. Pkwy	DDJ1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ2	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDJ3	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1131	DDJ4	12" Dia Yard Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 19	DDJ5	12" Dia Dwy Drain	12" Dia Grate	3.20		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ6	12" Dia Dwy Drain	12" Dia Grate	3.60		Inv. 1.2 (S/S) - 8" PVC
RES # 25	DDJ7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ8	12" Dia Dwy Drain	12" Dia Grate	3.70		Inv. 1.2 (S/S) - 8" PVC
RES # 1159	DDJ9	12" Dia Yard Drain	12" Dia Grate	3.80		Inv. 1.2 (S/S) - 8" PVC
RES # 1132	DDJ10	12" Dia Dwy Drain	12" Dia Grate	3.80		Inv. 1.2 (N/S) - 8" PVC
RES # 1106	DDJ11	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1094	DDJ12	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
			WASHINGTON PLACE			
RES # 1107	DDW1	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1115	DDW2	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1123	DDW3	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 1127	DDW4	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 9	DDW5	12" Dia Dwy Drain	12" Dia Grate	3.90		Inv. 1.2 (S/S) - 8" PVC
RES # 7	DDW6	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (S/S) - 8" PVC
RES # 5	DDW7	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 12	DDW8	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1134	DDW9	12" Dia Dwy Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
RES # 1124	DDW10	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC
VACANT	DDW11	12" Dia Yard Drain	12" Dia Grate	4.00		Inv. 1.2 (N/S) - 8" PVC

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Length	Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX)	26'	18" Dia		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX)	50'	18" Dia		
MH 1				0.15	(EX)
CB 50				0.70	
TO	HDPE PIPE	8'	15" Dia.		
MH 51				0.55	
CB 52				0.70	
TO	HDPE PIPE	20'	15" Dia.		
MH 51				0.55	
MH 51				0.50	
TO	HDPE PIPE	158'	18" Dia.		
MH 53				0.10	
CB 6A				0.60	
TO	Class 5 - RCP	9'	15" Dia.		
MH 53				0.40	
MH 53				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 4A				-0.10	
CB 4A				-0.10	
TO	HDPE PIPE	30'	18" Dia.		
OUTFALL 7A				-0.30	AT BULKHEAD
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX)	48'	18" Dia		
MH 8				-0.61	(EX)
CB 84				0.60	
TO	HDPE PIPE	20'	15" Dia.		
MH 85				0.40	
CB 86				0.60	
TO	HDPE PIPE	7'	15" Dia.		
MH 85				0.40	
MH 85				0.30	
TO	HDPE PIPE	72'	18" Dia.		
MH 87				0.10	
CB 12A				0.40	
TO	HDPE PIPE	6'	15" Dia.		
MH 87				0.20	
MH 87				0.00	
TO	HDPE PIPE	20'	18" Dia.		
CB 11A				-0.15	
CB 11A				-0.20	
TO	HDPE PIPE	58'	18" Dia.		
OUTFALL 13A				-0.40	AT BULKHEAD
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX)	54'	18" Dia		
MH 14				-1.23	(EX)
CB 88				0.50	
TO	HDPE PIPE	21'	15" Dia.		
MH 89				0.45	
CB 90				0.60	
TO	HDPE PIPE	12'	15" Dia.		
MH 89				0.45	
MH 89				0.40	
TO	HDPE PIPE	102'	18" Dia.		
MH 18				0.10	
CB 19				0.70	(EX)
TO	HDPE PIPE	5'	15" Dia.		
MH 18A				0.50	
CB 17				0.70	
TO	HDPE PIPE	16'	15" Dia.		
MH 18A				0.50	
MH 18A				0.00	
TO	HDPE PIPE	158'	18" Dia.		
MH 55				-0.40	
CB 54				0.40	
TO	HDPE PIPE	10'	15" Dia.		
MH 55				0.20	
CB 56				0.40	
TO	HDPE PIPE	20'	15" Dia.		
MH 55				0.20	
MH 55				-0.45	
TO	HDPE PIPE	142'	18" Dia.		
MH 22A				-0.80	
CB 23A				0.40	
TO	HDPE PIPE	12'	15" Dia.		
MH 22A				0.20	
CB 21A				0.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 22A				0.20	
MH 22A				-0.85	
TO	HDPE PIPE	42'	18" Dia.		
OUTFALL 24A				-1.00	AT BULKHEAD
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX)	38'	18" Dia		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX)	16'	18" Dia		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX)	6'	18" Dia		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX)	200'	30" Dia		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX)	15'	18" Dia		
MH 73				-0.05	
CB 74				-0.40	
TO	RCP (EX)	4'	18" Dia		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX)	52'	30" Dia		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX)	105'	30" Dia		
MH 82				-2.75	
CB 81				0.30	
TO	HDPE PIPE	18'	15" Dia.		
MH 82				0.10	
CB 83				0.30	
TO	HDPE PIPE	8'	15" Dia.		
MH 82				0.10	
MH 82				-2.75	
TO	RCP (EX)	198'	30" Dia		
MH 77				-3.80	(EX)
CB 76A				-1.40	
TO	HDPE PIPE	16'	18" Dia.		
MH 77				-1.60	
CB 78A				-1.40	
TO	HDPE PIPE	6'	18" Dia.		
MH 77				-1.60	
MH 77				-3.80	
TO	RCP (EX)	8'	30" Dia		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX)	38'	30" Dia		
OUTFALL 80				-3.35	At bulkhead

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER: SP
DRAWN BY: JEZ/FF
DESIGNED BY: JC
CHECKED BY: WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

NASSAU COUNTY — NEW YORK

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO.: 3760
DATE: JUNE 2016
SCALE: 1"=100'
DRAWING NO.: G4

Shinnecock Indian Nation
Cultural Resources Dept.
Shinnecock Indian Territory
P.O. Box 5006
Southampton, New York 11969-5006
Phone (631) 283-6143 Fax (631)283-0751

Tribal Historic Preservation Office
THPO Officer: David Martine
Email: davidmartine@shinnecock.org
(Phone): 631-287-6931

This form along with any supporting information must be provided to the THPO of the Shinnecock Nation for any activities that involve ground-disturbing activities. The Shinnecock Nation THPO is to identify, evaluate and protect cultural, historic, and archeological resources by regulating undertakings upon protected lands when they may result in changes in the character of use of such cultural resources. Typically, the applicant will receive a letter or an executed copy of this form documenting the Nation's approval of your application. The applicant must address each comment that is applicable to that entity. Use additional pages if necessary. Please allow two (2) weeks from the date it was received for response from the THPO Officer.

REQUEST FORM

Applicant name/Mailing Address: _Governor's Office of Storm Recovery, 99 Washington Ave, Suite 1224 Albany, NY 12260_____
Contact Agent: _Mary Barthelme
Phone number (518) 473-0154

Date of Request:__3/10/2017_____Date Activity is Scheduled to Begin:___2018_____

Shinnecock Indian Nation
Cultural Resources Dept.
Shinnecock Indian Territory
P.O. Box 5006
Southampton, New York 11969-5006
Phone (631) 283-6143 Fax (631)283-0751

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Shinnecock Reservation, Southampton, NY 11969
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Contact Agent: Mary Barthelme_____

Phone number (518)_473-0154_____

Date of Request:__3/10/2017_____Date Activity is Scheduled to Begin:___2018_____

LOCATION OF PROPOSED PROJECT: *attach map. Include ownership status of land (Tribal/State/Private/other*	Hamlet of Baldwin: Washington Place, Hayes Place, Van Buren Place, and Jackson Place. Land is owned by Village and Private Owned.	
LOCATION DESCRIPTION: address or location description	Hamlet of Baldwin: Washington Place, Hayes Place, Van Buren Place, and Jackson Place.	

Acres: (Approximate) 11.7 plus or minus.	**Estimated number of Monitors requested ($500 per day; up to 3 participants; federal per/diem rates):**	
Description of any past ground disturbance:	Thee Project is situated on four fingers of filled land separated by artificial bulkheaded canals. Historical topographic maps and coast charts show that the present land surface was created early in the twentieth century (probably 1910-1920) by dredging and filling tidal wetlands.	
DETAILED DESCRIPTION OF PROPOSED ACTIVITY: *Including construction/excavation techniques, equipment staging, and unavoidable impacts, etc.)*	GOSR proposes to fund an application from the Town of Hempstead to elevate the road surfaces and adjoining sidewalks of the easternmost blocks of four neighboring streets in the Hamlet of Baldwin: Washington Place, Hayes Place, Van Buren Place, and Jackson Place. The project area is located between Eastern Parkway and Millburn Creek in the vicinity of Lat. 40.6349231°, Long. -73.5982643°. The project's direct area of potential effects (direct APE) resulting from construction-related ground disturbances is 3.1± acres. The work areas adjoin a total of 65 properties, whose extent beyond the limits of construction comprise the indirect APE. The total APE, including the direct APE and the full area of the adjoining parcels, is roughly rectangular and covers 11.7± acres. <u>Proposed Project Description</u>: Under the Project, the four streets and their adjoining sidewalks will be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA) 10-year still water level. At their western ends, the streets will be sloped down to the level of Eastern Parkway. No construction will take place in Eastern Parkway, but the Project does involve the side yards of several properties fronting on that street. Depending on local topography, the surface elevations of streets and sidewalks will typically be increased by 6 to 18 inches, with a maximum increase of approximately 24 inches. In addition to elevating and reconstructing streets and sidewalks, the project will involve necessary resetting, upgrade, or reconstruction of street infrastructure such as curbing, catch basins, manholes, signage, etc., Check valves at storm sewer outfalls will be installed, and, as needed, street end bulkheads will be reconstructed to minimum elevations of 7.5 feet NGVD to reduce the potential for future flooding.	

	The Project requires removal of existing street surfaces, curbs, and sidewalks, alterations to storm drainage elements, filling, grading, and pavement replacement on streets and sidewalks. The combined Project length for the four streets is approximately 2,215 linear feet between the saw cut lines on Eastern Parkway and the street ends by the Millburn Creek bulkheads. Construction will extend beyond sidewalk edges into existing frontages, or in four instances side yards, generally occupied by lawns and driveways, by up to approximately 15 feet, but typically less. Along each street, the Project width varies, but averages approximately 60 feet wide, typically comprising 30 feet of street, 8 feet of curb and sidewalk, and up to 22 feet of lawn or driveway. Depth of ground disturbance will vary from no more than a few inches at the edge construction in lawns to up to several feet in the existing streets if upgrades to sanitary or storm sewers are required. The visual effect of the Project is expected to be modest. Although the surface heights of sidewalks and streets will be increased relative to the neighboring buildings, filling and grading the edges of front lawns and raising and reconstructing driveways will smooth the transition from street/sidewalk to adjoining properties, minimizing the overall visual effect of the grade changes. Except where houses have narrow setbacks, the altered grades will not extend as far as the ground immediately adjoining the fronts of building foundations. Aside from the four buildings fronting on Eastern Parkway, grade alterations are not planned to extend along the sides of houses. Review of information in the New York State Historic Preservation Office's (SHPO) Cultural Resources Information System (NY-CRIS) found that the Project is situated in an area rated as archaeologically sensitive by the SHPO, presumably due to its proximity to the tidal shoreline. However, the NY-CRIS database records no pre-contact period Native American sites within at least 5 miles of the Project area. Moreover, the Project is situated on four fingers of filled land separated by artificial bulkheaded canals. Historical topographic maps and coast charts show that the present land surface was created early in the twentieth century (probably 1910-1920) by dredging and filling tidal wetlands. The archaeological sensitivity of the Project area is therefore judged to be low. The Project will affect front or side yard areas of 65 properties, including five that were vacant as of mid-2016. The remaining 60 properties comprise 59 detached houses and one church. In	

most instances, the front portion of the property, containing the front yard, walk, and/or driveway, is the involved section. However, the project also affects the side yards of four properties fronting on Eastern Parkway, including two at the intersection of Hayes Place, and one each at the intersections of Van Buren Place and Jackson Place. The project area is a mix of historic (built before 1974) and recent houses, primarily wood-framed. According to county tax records, 72 percent (43 of 60) of the houses and church in the neighborhood were built before 1973 and are therefore at least 45 year old. These historic period houses have been altered to varying degrees. Alterations include installation of vinyl or aluminum siding, replacement of windows, renovations that raise or alter the configuration of the roof, additions that expand the footprint, and in some instances such extensive renovation that the original house structure is no longer evident. NY-CRIS inventories six buildings in the project area, none of which have been evaluated as eligible for the National Register of Historic Places (NRHP). Review of tax card photographs available online from Nassau County and streetviews on Google Earth indicates that none of the adjoining buildings appears to be NRHP eligible and that the no NRHP-eligible historic district is present in the affected area.

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. On balance, GOSR's assessment is that the project will result in no historic properties affected. No comment on the Project have been received from the SHPO to date.

Additional REQUIRED information:

Survey or plat of lot with location of proposed activity indicated; photograph (digital photo preferred) of the proposed activity area.

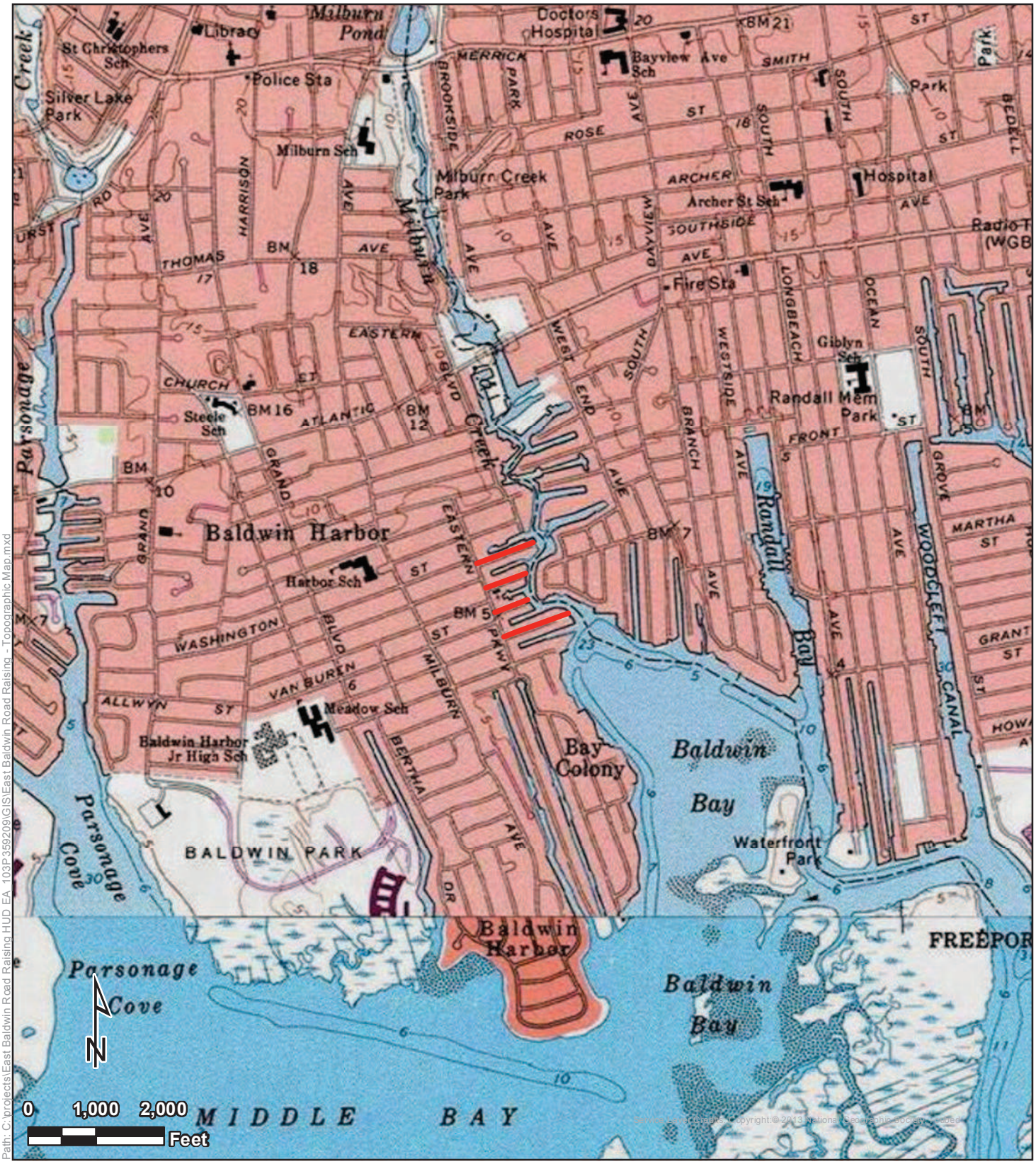
Signature of applicant:

Date: 3/10/17

☐

(For Shinnecock Nation THPO only)
RECEIVED BY: (THPO STAFF)

Comments/Concerns Date:



Topographic Map

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 1

Path: C:\projects\East Baldwin Road Raising HUD EA_103P359209\GIS\East Baldwin Road Raising - Topographic Map.mxd

List of Affected / Adjoining Properties

East Baldwin Road Raising Project

Hamlet of Baldwin, Town of Hempstead, Nassau County, New York

3760 - Baldwin Address and Tax Lots 3/3/2017

Washington Place

	Address	Section	Block	Lot
	1093	54	360	1197
	1107	54	360	1198
V	1115	54	360	91,93
	1123	54	360	694, 695, 696, 697
	1127	54	360	698, 699
	1131	54	360	700
	1133	54	360	708
	1137	54	360	709
	9	54	360	1199
	7	54	360	1200
	5	54	360	707, 36
	1149	54	360	37, 38, 39, 40, 41
	1094	54	359	756
	2	54	359	727, 728
	4	54	359	722, 723, 724, 725, 726
USN	1124	54	359	718, 719, 720, 721
	10	54	359	716, 717
USN	1134	54	359	714, 715
	12	54	359	712, 713
	1142	54	359	709, 710, 711
	1144	54	359	42, 43, 44, 708*
V	11	54	359	45, 46, 47

Hayes Place

	Address	Section	Block	Lot
	3139	54	359	739, 740, 741, 742, 743
	1111	54	359	744, 745, 746, 747
	1117	54	359	748, 749
USN	1125	54	359	750, 751, 752, 753, 754
	1133	54	359	48, 49, 50, 51
	3159	54	358	766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776
	1112	54	358	763, 764, 765
	1118	54	358	760, 761, 762
	1124	54	358	757, 758, 759
	1130	54	358	52, 53, 755, 756

Van Buren Place

	Address	Section	Block	Lot
	1093	54	358	777, 778, 779
	1101	54	358	780, 781, 782
	1107	54	358	783, 784, 785
	1111	54	358	786, 787, 788, 789
	1125	54	358	790, 791, 792
	3177	54	357	806, 807, 808, 809
	1104	54	357	804, 805
	1108	54	357	802, 803
V	8	54	357	797, 798, 799, 800, 801
USN/V	1122	54	357	795, 796
	1126	54	357	793, 794
	1130	54	357	835, 837

Jackson Place

	Address	Section	Block	Lot
	3199	54	357	832
	1103	54	357	831
	1109	54	357	820, 821, 822
	1115	54	357	823, 824, 825
	1123	54	357	826, 827, 828, 829
	1131	54	357	830, 55, 56, 57
	19	54	357	158
	25	54	357	160, 834
	1159	54	357	833
	1094	54	356	871
USN/V	1106	54	356	841, 842, 843
	1112	54	356	838, 839, 840
	1116	54	356	835, 836, 837
	1126	54	356	831, 832, 833, 834
	1132	54	356	63, 64, 65, 66
USN	1138	54	356	67, 68
	1142	54	356	69, 70
	1150	54	356	71, 72, 73, 74
	1154	54	356	75, 76
	1158	54	356	879
	1160	54	356	878

Source: Courtesy of Town of Hempstead, NY

***USN** – Unique Site Number—the property has a USN because it appears in the NY-CRIS historic architecture inventory.*

***V** – Property was vacant as of mid-2016. If USN/V, property was inventoried before demolition.*

**One of the lots at 1144 Washington Place, 54-359-708, appears in online records as a separate tax parcel with the address "10 Field Place."*

In addition to the above-listed properties, the project involves side yards of four properties on Eastern Parkway at the intersections of Hayes Place, Jackson Place, and Van Buren Place:

Eastern Parkway

Address	Section	Block	Lot	Intersection
3139	54	359	739	Hayes Pl. north side
3147-3159**	54	358	766	Hayes Pl. south side
3177	54	357	806	Van Buren Pl. south side
3199	54	357	832	Jackson Pl. north side

***South Nassau Christian Church and adjoining parsonage house.*

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
HAYES PLACE						
STA 0+24 / 28.0' L	1	MH (EX.)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.30		**Raise Ex. CB grate to 4.10**
STA 0+76 / 15.0' R	3	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.29		**Raise Ex. CB grate to 4.10**
STA 4+52 /15.0' L	4	CB (EX.)	GRATE (EX)	2.31		**Demolish Ex CB 4**
STA 4+52 /15.0' L	**4A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.15**		
STA 4+46 / 8.0' R	5	MH (EX.)	COVER / RIM	2.60		**Demolish Ex MH 5**
STA 4+46 / 7.0' R	**53**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.50**		
STA 4+47 / 15.0' R	6	CB (EX.)	GRATE (EX)	2.39		**Demolish Ex CB 6**
STA 4+52 / 15.0' R	**6A**	**Type A - CB**	**Type A Grate**	**4.15**		
STA 2+85 / 15.0' R	**50**	**Type A - CB**	**Type A Grate**	**4.10**		
STA 2+90 / 7.0' R	**51**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.55**		
STA 2+85 / 15.0' L	**52**	**Type A - CB**	**Type A Grate**	**4.10**		
VAN BUREN PLACE						
STA 0+29 / 9.0' R	8	MH (EX.)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX.)	INLET (EX)		3.50	**Alter CB / Raise Inlet to 4.13**
STA 0+80 / 15.0' R	10	CB (EX.)	GRATE (EX)	3.54		**Raise Ex. CB grate to 4.10**
STA 3+42 / 15.0' L	11	CB (EX.)	GRATE (EX)	2.68		**Demolish Ex CB 11**
STA 3+42 / 15.0' L	**11A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.12**		
STA 3+42 / 15.0' R	12	CB (EX.)	GRATE (EX)	2.78		**Demolish Ex CB 12**
STA 3+42 / 15.0' L	**12A**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+60 / 15.0' L	**84**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+67 / 6.0' R	**85**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
STA 2+60 / 15.0' R	**86**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 3+37 / 6.0' R	**87**	**Type A - MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
JACKSON PLACE						
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX.)	INLET (EX)		3.42	**Alter CB / Raise Inlet to 4.08**
STA 0+84 / 15.0' R	16	CB (EX.)	GRATE (EX)	3.57		**Raise Ex. CB grate to 4.08**
STA 4+37 / 15.0' L	17	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		**Demolish Ex MH 18**
STA 4+35 / 5.0' R	**18A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+36 / 15.0' R	19	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 7+44 / 15.0' L	21	CB (EX.)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	**21A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	**22A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.45**		
STA 7+45 / 15.0' R	23	CB (EX.)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	**23A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 5+90 / 15.0' R	**54**	**Type A CB**	**Type A Grate**	**4.00**		
STA 5+98 / 5.0' R	**55**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 5+90 / 15.0' L	**56**	**Type A - CB**	**Type A Grate**	**4.00**		
WASHINGTON PLACE						
STA 0+20 / 33.0' R	64	CB (EX.)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX.)	INLET (EX)		4.17	**Lower Inlet to 4.05**
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX.)	GRATE (EX)	3.28		**Raise Ex. CB grate to 4.00**
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		**Raise Ex. CB grate to 4.45**
STA 2+66 / 14.0' R	71	CB (EX.)	GRATE (EX)	3.27		**Raise Ex. CB grate to 4.00**
STA 2+66 / 4.5' L	72	CB (EX.)	GRATE (EX)	3.09		**Raise Ex. CB grate to 4.00**
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		**Raise Ex. CB grate to 4.42**
STA 2+69 / 14.0' L	74	CB (EX.)	GRATE (EX)	3.14		**Raise Ex. CB grate to 4.00**
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		**Raise MH Rim to 4.60**
STA 6+26 / 5.0' R	76	CB (EX.)	GRATE (EX)	3.12		**Demolish Ex CB 76**
STA 6+26 / 14.0' L	**76A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		**Raise Ex. MH Rim to 4.45**
STA 6+24 / 4.5' R	78	CB (EX.)	GRATE (EX)	2.81		**Demolish Ex CB 78**
STA 6+22 / 14.0' R	**78A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		**Raise Ex. MH Rim to 4.60**
STA 4+25 / 14.0' L	**81**	**Type A - CB**	**Type A Grate**	**4.00**		
STA 4+25 / 5.0' R	**82**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+17 / 14.0' R	**83**	**Type A - CB**	**Type A Grate**	**4.00**		
DRIVEWAY AND YARD DRAINS						
HAYES PLACE						
RES # 3139 E. Pkwy	**DDH1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDH2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.10**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1125	**DDH3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.50**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1133	**DDH4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1130	**DDH5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH6**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH7**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VAN BUREN PLACE						
RES # 1111	**DDV1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDV2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES #1126	**DDV3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1104	**DDV6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.30**		**Inv. 1.2 (N/S) - 8" PVC**
JACKSON PLACE						
RES # 3199 E. Pkwy	**DDJ1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ3**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1131	**DDJ4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 19	**DDJ5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ9**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1132	**DDJ10**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1106	**DDJ11**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1094	**DDJ12**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
WASHINGTON PLACE						
RES # 1107	**DDW1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1115	**DDW2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDW3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1127	**DDW4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 9	**DDW5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 7	**DDW6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 5	**DDW7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 12	**DDW8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1134	**DDW9**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1124	**DDW10**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VACANT	**DDW11**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Pipe Length	Pipe Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX)	20'	18" Dia		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX)	50'	18" Dia		
MH 1				0.15	(EX)
CB 50				**0.70**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 51				**0.55**	
CB 52				**0.70**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 51				**0.55**	
MH 51				**0.50**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 53				**0.10**	
CB 6A				**0.60**	
TO	**Class 5 - RCP**	**9'**	**15" Dia.**		
MH 53				**0.40**	
MH 53				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 4A				**-0.10**	
CB 4A				**-0.10**	
TO	**HDPE PIPE**	**30'**	**18" Dia.**		
OUTFALL 7A				**-0.30**	**AT BULKHEAD**
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX)	48'	18" Dia		
MH 8				-0.61	(EX)
CB 84				**0.60**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 85				**0.40**	
CB 86				**0.60**	
TO	**HDPE PIPE**	**7'**	**15" Dia.**		
MH 85				**0.40**	
MH 85				**0.30**	
TO	**HDPE PIPE**	**72'**	**18" Dia.**		
MH 87				**0.10**	
CB 12A				**0.40**	
TO	**HDPE PIPE**	**6'**	**15" Dia.**		
MH 87				**0.20**	
MH 87				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 11A				**-0.15**	
CB 11A				**-0.20**	
TO	**HDPE PIPE**	**58'**	**18" Dia.**		
OUTFALL 13A				**-0.40**	**AT BULKHEAD**
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX)	54'	18" Dia		
MH 14				-1.23	(EX)
CB 88				**0.50**	
TO	**HDPE PIPE**	**21'**	**15" Dia.**		
MH 89				**0.45**	
CB 90				**0.60**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 89				**0.45**	
MH 89				**0.40**	
TO	**HDPE PIPE**	**102'**	**18" Dia.**		
MH 18				**0.10**	
CB 19				0.70	(EX)
TO	**HDPE PIPE**	**5'**	**15" Dia.**		
MH 18A				**0.50**	
CB 17				**0.70**	
TO	**HDPE PIPE**	**16'**	**15" Dia.**		
MH 18A				**0.50**	
MH 18A				**0.00**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 55				**-0.40**	
CB 54				**0.40**	
TO	**HDPE PIPE**	**10'**	**15" Dia.**		
MH 55				**0.20**	
CB 56				**0.40**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 55				**0.20**	
MH 55				**-0.45**	
TO	**HDPE PIPE**	**142'**	**18" Dia.**		
MH 22A				**-0.80**	
CB 23A				**0.40**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 22A				**0.20**	
CB 21A				**0.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 22A				**0.20**	
MH 22A				**-0.85**	
TO	**HDPE PIPE**	**42'**	**18" Dia.**		
OUTFALL 24A				**-1.00**	**AT BULKHEAD**
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX)	38'	18" Dia		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX)	16'	18" Dia		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX)	6'	18" Dia		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX)	200'	30" Dia		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX)	15'	18" Dia		
MH 73				0.05	
CB 74				-0.40	
TO	RCP (EX)	4'	18" Dia		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX)	52'	30" Dia		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX)	105'	30" Dia		
MH 82				-2.75	
CB 81				**0.30**	
TO	**HDPE PIPE**	**18'**	**15" Dia.**		
MH 82				**0.10**	
CB 83				**0.30**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 82				**0.10**	
MH 82				-2.75	
TO	RCP (EX)	198'	30" Dia		
MH 77				-3.80	(EX)
CB 76A				**-1.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 77				**-1.60**	
CB 78A				**-1.40**	
TO	**HDPE PIPE**	**6'**	**18" Dia.**		
MH 77				**-1.60**	
MH 77				-3.80	
TO	RCP (EX)	8'	30" Dia		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX)	38'	30" Dia		
OUTFALL 80				-3.35	**At bulkhead**

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER:	DRAWN BY:
SP	JEZ/FF
DESIGNED BY:	CHECKED BY:
JC	WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO. **3760**
DATE: **JUNE 2016**
SCALE: **1"=100'**
DRAWING NO. **G4**

Hayes Pl

© 2014 Google
Jackson Pl

Van Buren Pl
DEAD END
Van Buren P

Washington Pl

APPENDIX H

SOLE SOURCE AQUIFERS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

JAN - 9 2017

Mr. Matt Accardi
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

Dear Mr. Accardi:

This is in response to your December 2, 2016 letter to the U.S. Environmental Protection Agency (EPA) requesting a Sole Source Aquifer review of the proposed "East Baldwin Road Raising Project" located in the Hamlet of Baldwin, Town of Hempstead, Nassau 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 (CDBG-DR) program. The project is located in the Long Island Nassau/Suffolk Aquifer System, designated by the 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 purpose of the proposed road-raising project is to address flooding issues in the area. Currently, the streets of Washington Place, Hayes Place, Van Buren Place, and Jackson Place are lower in elevation than the houses along them on each side, and they have been subject to tidal flooding on a regular basis. These roads lie within the 100-year floodplain and are located on the west side of Millburn Creek and Baldwin Bay. The proposed project will elevate these streets by about 2 feet. Based on the information provided, we understand that the streets' asphalt pavement will be torn up and milled by an asphalt-milling vehicle, and the recovered asphalt will be used, together with clean fill, for the foundation of the new, elevated roads. Approximately 2,215 linear feet of residential street would be raised. We note that the elevated roads will still be at a lower elevation than the houses alongside them; however, utility lines may need to be elevated. Please note that any wood preservative used for the new telephone and power lines should be acceptable to and approved by the Nassau County Department of Health.

It is our understanding that the drainage along the portions of the streets that are closer to Eastern Parkway will use existing catch basins that deliver water to reinforced-concrete piping running along Eastern Parkway; drainage along the portions of the streets closer to Milburn Creek will flow through new catch basins that feed newly installed, high-density polyethylene (HDPE) pipes that outfall to the creek. We note that check valves will be installed close to the outfalls to prevent backflow of water into the HDPE drainage systems. New bulkheads will be installed at creek-end of three of the streets (Hayes Place, Van Buren Place, and Jackson Place); the existing bulkhead on Washington Place will remain. We further note that the new bulkheads will consist

of corrugated vinyl sheeting anchored in the creek bed and held to the land by a "tie line" (typically, a galvanized steel cable attached to a heavy concrete block, both buried below grade). The information provided indicates that water and sanitary sewer lines run well below the stormwater piping and will not be affected by this project. Since the project footprint is greater than one acre, a State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges will be obtained for construction activities.

Based on the information provided, and with the proviso that any wood preservative used is approved by the Nassau County Department of Health, 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.

For more information on diesel emission controls in construction projects, please see:
http://www.northeastdiesel.org/pdf/NEDC-Construction-Contract-Spec.pdf

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/

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

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

December 2, 2016

Ms. Grace Musumeci
U.S. Environmental Protection Agency
Region II Main Regional Office
290 Broadway, 25th Floor
New York, NY 10007

RE: Sole Source Aquifer Analysis - CDBG-DR Program
East Baldwin Road Raising Project, Village of Baldwin, Nassau County, New York

Dear Ms. Musumeci:

The Governor's Office of Storm Recovery (GOSR), operating under the auspices 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. 24 C.F.R. Part 58 requires GOSR to review 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 Environmental Protection Agency ("EPA") regulations pertaining to Sole Source Aquifers found at 40 C.F.R. Part 149. On behalf of GOSR, please find enclosed the sole source aquifer review information for the East Baldwin Road Raising Project.

In the Community of East Baldwin, the streets of Washington Place, Hayes Place, Van Buren Place, and Jackson Place experienced severe tidal flooding during Hurricane Irene and Superstorm Sandy. Large sections of these streets are less than 1.5 feet of elevation above the National Geodetic Vertical Datum, making them susceptible to tidal flooding from the adjacent Milburn Creek and Baldwin Bay. Such tidal flooding occurs on weekly and monthly bases, along with significant flooding when major rainstorms coincide with a high tide period. During the NY Rising Community Reconstruction planning process, village residents advocated for improvements to stormwater management and drainage systems to improve the resiliency of the Village of East Baldwin.

The proposed project would take place on four local roads: Washington Place, Hayes Place, Van Buren Place and Jackson Place on the west side of the Milburn Creek and Baldwin Bay (see **Figures 1 and 2**). Across the four local roads, approximately 2,215 linear feet of residential

street would be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA's) 10-year still water level. At their western ends, the streets would be sloped down to the level of Eastern Parkway. There would be no construction in Eastern Parkway (see attached **Preliminary Site Plan**).

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 project. Please review the attached documentation, including Attachment 2.A and 3 to the MOU. Responses can be sent to me via email at Matt.accardi@stormrecovery.ny.gov. In accordance with the MOU, please respond within fifteen days. If you have any questions, please call me at (212) 480-6265.

Sincerely,

Matt Accardi
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

Enclosures:

2.A. Non-housing/Project Activity Initial Screen Criteria
3. SSA Preliminary Review Information Requirements

Attachments:

A. Project Summary; Figures including Sole Source Aquifer Map and Drinking Water Well Map
B. Preliminary Site Plan

Enclosures

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 than 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.

CRITERIA QUESTIONS	YES	NO	N/A
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.]	☒	☐	☐
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.]	☐	☒	☐

3. Will the project/activity include or directly cause (check appropriate items):

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

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:

Name:	__Clifford Jarman_____
Title:	__Sr. Env. Scientist_____
Address:	__1401 Lime Rock Drive___
	__Round Rock, TX 78681__
Telephone number:	__512-244-2192_____
Date:	__11/16/16_____

ATTACHMENT 3

SSA PRELIMINARY REVIEW INFORMATION REQUIREMENTS

Where currently available, the information in this Attachment should be provided to the Environmental Protection Agency (see address below) along with the application/final statement; Attachment 2.A, Non-Housing Initial Screen Criteria or Attachment 2.B, Housing Initial Screen Criteria; and any other information which may be pertinent to a Sole Source Aquifer review. Where applicable, indicate the source of your information.

I. Project/Activity Location	**Enclosed?**	
	Yes	No
1. Provide the geographic location and total acreage of the project/activity site. Include a site map which identifies the site in relation to the surrounding area. [Examples of maps which can be used include: 1:24,000 or 1:25,000 U.S. Geological Survey quadrangle sheet, Hagstroms Street Map.]	☒	☐
2. If applicable, identify which groundwater sensitive areas (Special Ground Water Protection Area, Critical Supply Area, Wellhead Protection Area, etc.) the project/activity is located within or adjacent to. [This information may be obtained from the County or Regional planning board, the local health department, the State health department or the State environmental agency.]	☒	☐

II. Nature of Project/Activity	**Enclosed?**	
	Yes	No
3. Provide a general narrative describing the project/activity including but not limited to: type of facility; type of activities to be conducted; number and type of units; number of residents, etc. Provide the general layout of the project/activity site and site-plan if available.	☒	☐

III. Public Water Supply	**Enclosed?**	
	Yes	No
4. Provide a description of plans to provide water supply.	☒	☐

5. Provide the location of nearby existing or proposed public water supply wells or wellfields within one half mile radius (2640 feet) of the project/activity. Provide the name of the supplier(s) of those wells or wellfields. This infomraiton should be available from the local health department, State health department or the State environmental agency.	☒	☐

IV. Wastewater and Sewage Disposal	**Enclosed?**	
	Yes	No
6. Provide a description of plans to handle wastewater and sewage disposal. If the project/activity is to be served by existing public sanitary sewers provide the name of the sewer district.	☒	☐
7. Provide a description of plans to handle storm water runoff.	☒	☐
8. Identify the location, design, size of any on-site recharge basins, dry wells, leaching fields, retention ponds, etc.	☒	☐

V. Use, Storage, Transport of Hazardous or Toxic Materials *(Applies only to non-housing projects/activities)*	**Enclosed?**	
	Yes	No
9. Identify any products listed in Attachment 4, Hazardous Constituents, of the Housing and Urban Development-Environmental Protection Agency Memorandum of Understanding which may be used, stored, transported, or released as a result of the project not related to construction	☒	☐
10. Identify the number and capacity of underground storage tanks at the project/activity site. Identify the products and volume to be stored, and the location on the site..	☒	☐
11. Identify the number and capacity of above ground storage tanks at the project/activity site. Identify the products and volume to be stored, and the location on the site	☒	☐

This form was completed by:

Name:	__Clifford Jarman_____
Title:	__Sr. Env. Scientist_____
Address:	__1401 Lime Rock Drive___
	__Round Rock, TX 78681__
Telephone number:	__512-244-2192_____
Date:	__11/16/16_____

Attachment A

Project Summary; Site Plans; Sole Source Aquifer Map; Drinking Water Well Map

Description of the Proposed Project

The Town of Hempstead is proposing to raise and reconstruct four local roads, Washington Place, Hayes Place, Van Buren Place, and Jackson Place, on the west side of the Milburn Creek and Baldwin Bay in the Hamlet of Baldwin, Town of Hempstead, Nassau County, New York (**Figures 1 and 2**).

Existing Development

Development in the neighborhood along canals began in the 1930s before any flood insurance study or the establishment of flood zones. The neighborhood roadways were established to accommodate the first floor elevations of houses. Large sections of these streets are less than 1.5 feet in elevation above the National Geodetic Vertical Datum (NGVD), making them susceptible to varying levels of tidal flooding from adjacent Milburn Creek and Baldwin Bay. Such tidal flooding occurs on weekly and monthly cycles, along with significant flooding when major rainstorms coincide with a high tide period.

The streets are paved with asphalt and have concrete gutters and sidewalks. There are stormwater inlets in the gutters. The stormwater drainage for each street outfalls to Wilburn Creek and Baldwin Bay. The properties on either side of the streets are fully developed residences with yards and driveways (mix of brick, concrete, and asphalt) (**Figures 3a through 3d**). The streets lie within the 100-year floodplain (**Figure 4**) and are located over the Nassau-Suffolk Sole Source Aquifer (**Figure 5**).

Proposed Project

Across the four local roads, approximately 2,215 linear feet of residential street would be raised with sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA) 10-year still water level. At their western ends, the streets would be sloped down to the level of Eastern Parkway. There would be no construction in Eastern Parkway.

The proposed project would also include the replacement of concrete curbs and sidewalks, improvements to the stormwater drainage system, installation of check valves at outfalls, and the reconstruction of street end bulkheads to minimum elevations of 7.5 feet NGVD to prevent flooding. There are approximated 2.0 acres of impervious surface in the project area (streets, sidewalks, and driveways). The amount of impervious surface would not change due to this project. The streets, gutters and sidewalks would not be expanded. The existing yards and driveways would be rebuilt to slope up to the new road level. The driveways would be reconstructed in the same manner and with the same materials. Concrete driveways would be reconstructed with concrete, asphalt driveways with asphalt, etc. Only the slopes would be altered. **Figures 3d through 3d** show the area of potential disturbance, and each property would be affected to a different degree depending on the slope required.

To prevent negative impacts from the road raising on adjacent private properties, the improved roads would have new storm drain inlets installed at property frontages. New storm drain inlets would be added to the front of the properties to enhance the performance of the existing system. Check valves would be installed to prevent tidal water from entering the system through the outfalls.

The Project footprint would be greater than one acre, so a State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges would be obtained for the construction activities.

This Project would not change the residences' use of water or wastewater. No changes to those systems are anticipated. There are no drinking water wells within one-half mile of the Project site (**Figure 6**).

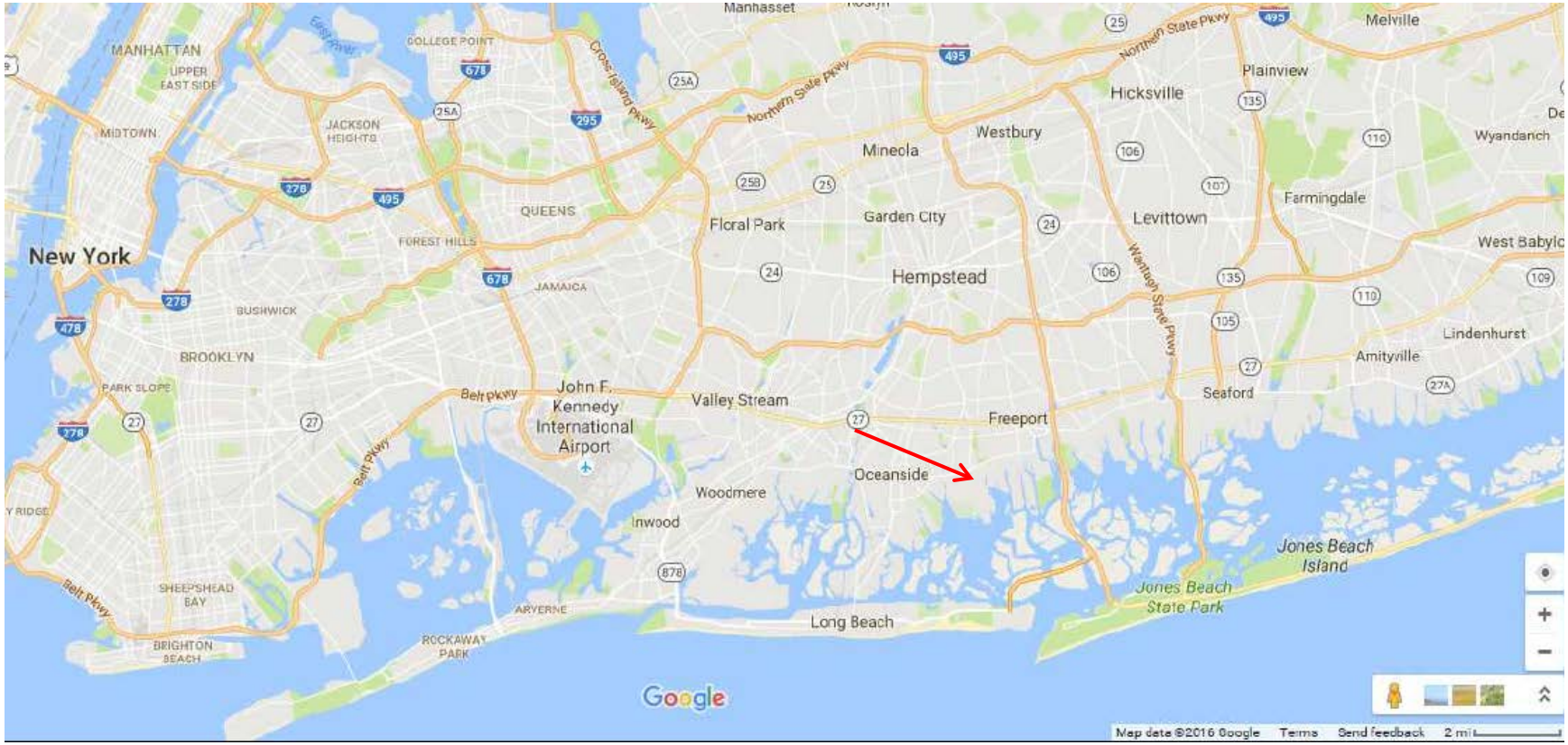


Figure 1. Location of Proposed Project.

Project Area

Legend

Project Area

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 2. Streets Proposed for Raising.

Figure 3a. Areas of Potential Disturbance along Washington Place.

Figure 3b. Areas of Potential Disturbance along Hayes Place.

Figure 3c. Areas of Potential Disturbance along Van Buren Place.

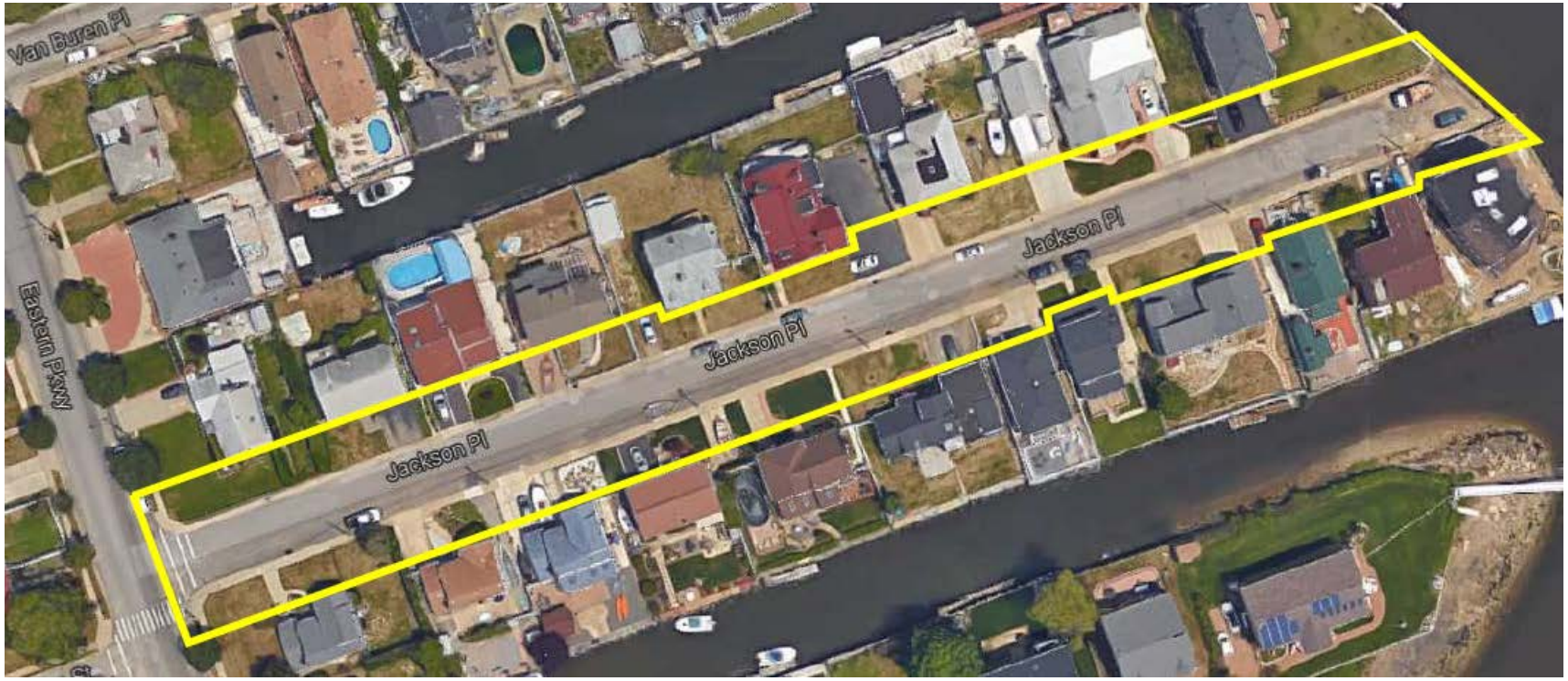


Figure 3d. Areas of Potential Disturbance along Jackson Place.

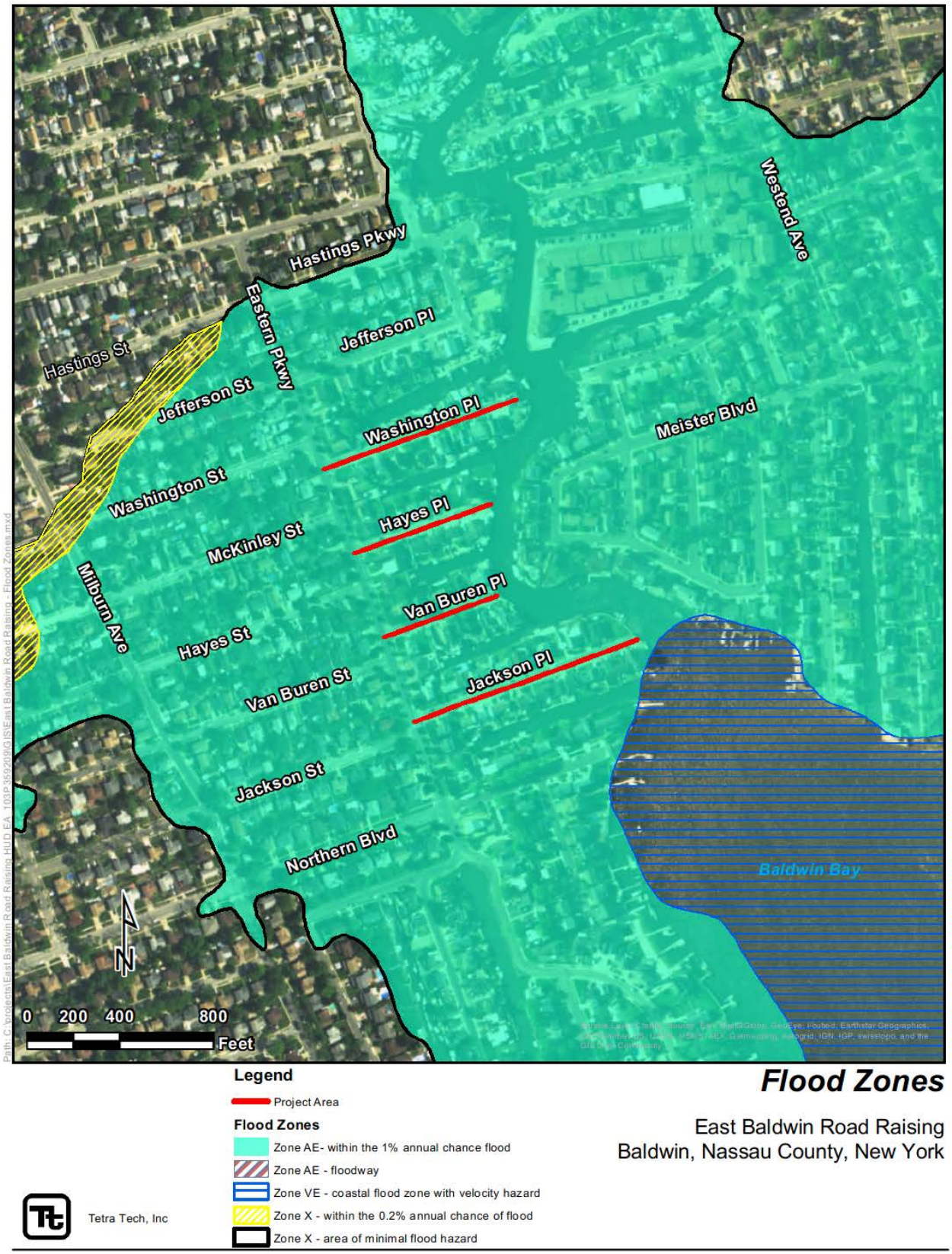
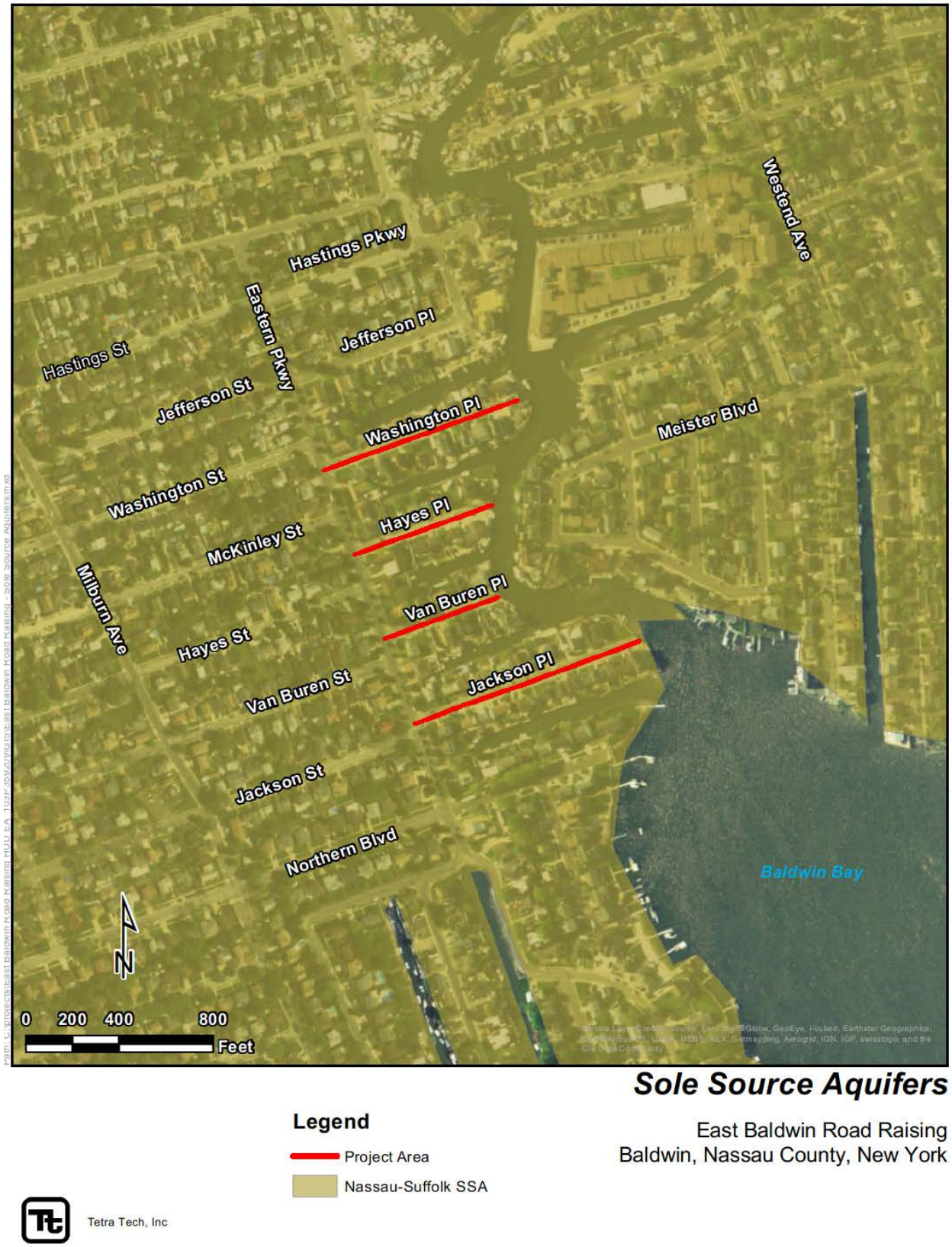


Figure 4. Flood Zones in the Project Area.



Sole Source Aquifers

Legend

Project Area

Nassau-Suffolk SSA

East Baldwin Road Raising
Baldwin, Nassau County, New York

Tetra Tech, Inc

Figure 5. Project Area in Relation to the Sole Source Aquifer.

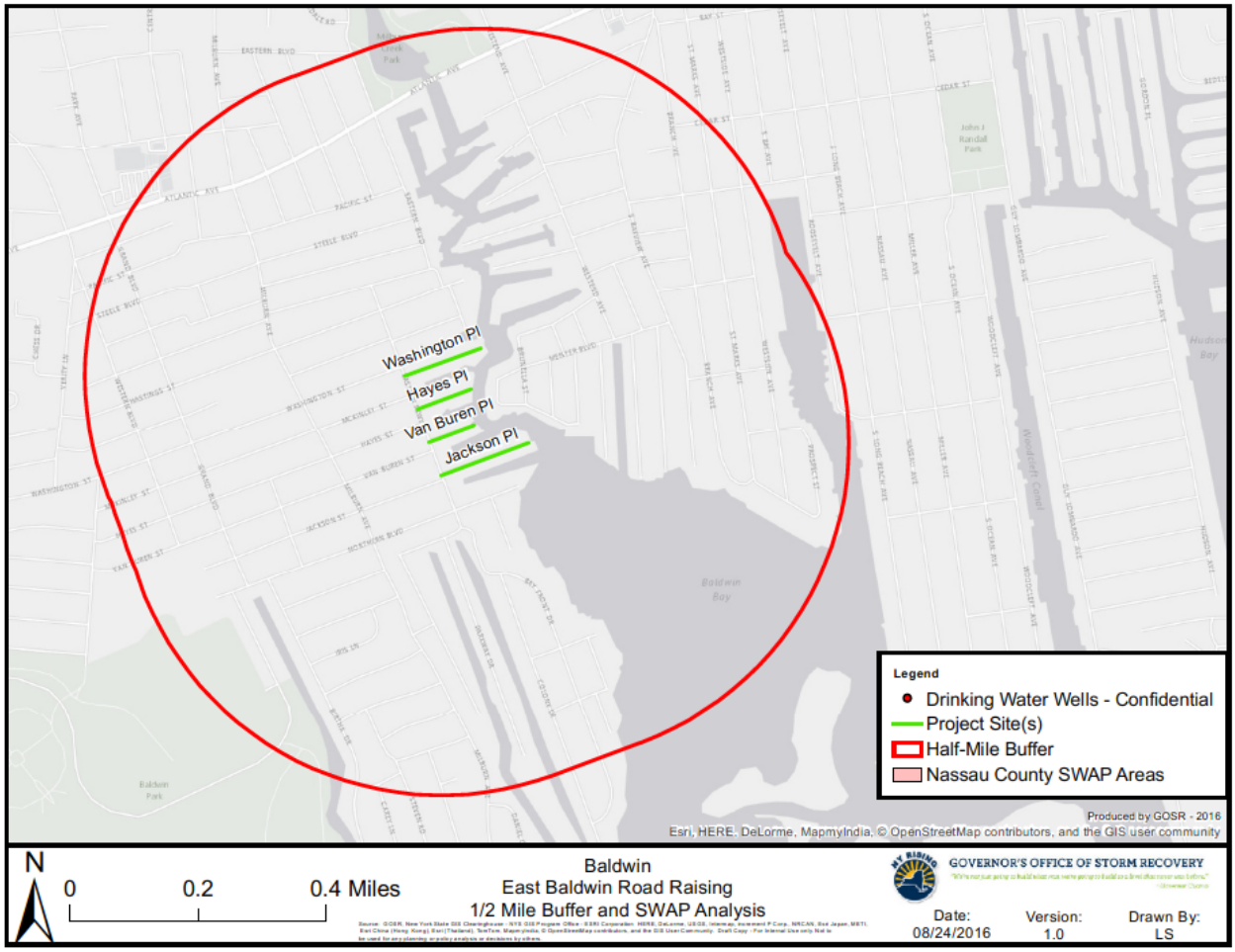


Figure 6. Location of Drinking Water Wells in the Project Area.

Attachment B

Preliminary Site Plan

Storm Water Drainage Structures Table

Location	No	Structure Type	Casting	Elevation Grating/Rim	Elevation Other	Remark
CATCH BASIN AND MANHOLE						
HAYES PLACE						
STA 0+24 / 28.0' L	1	MH (EX.)	COVER / RIM	4.85		Existing MH
STA 0+76 / 15.0' L	2	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.30		**Raise Ex. CB grate to 4.10**
STA 0+76 / 15.0' R	3	CB (EX.)	**REMOVE & REPLACE GRATE / FRAME**	3.29		**Raise Ex. CB grate to 4.10**
STA 4+52 /15.0' L	4	CB (EX.)	GRATE (EX)	2.31		**Demolish Ex CB 4**
STA 4+52 /15.0' L	**4A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.15**		
STA 4+46 / 8.0' R	5	MH (EX.)	COVER / RIM	2.60		**Demolish Ex MH 5**
STA 4+46 / 7.0' R	**53**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.50**		
STA 4+47 / 15.0' R	6	CB (EX.)	GRATE (EX)	2.39		**Demolish Ex CB 6**
STA 4+52 / 15.0' R	**6A**	**Type A - CB**	**Type A Grate**	**4.15**		
STA 2+85 / 15.0' R	**50**	**Type A - CB**	**Type A Grate**	**4.10**		
STA 2+90 / 7.0' R	**51**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.55**		
STA 2+85 / 15.0' L	**52**	**Type A - CB**	**Type A Grate**	**4.10**		
VAN BUREN PLACE						
STA 0+29 / 9.0' R	8	MH (EX.)	COVER / RIM	4.39		Existing MH
STA 0+92 / 15.0' L	9	CB (EX.)	INLET (EX)		3.50	**Alter CB / Raise Inlet to 4.13**
STA 0+80 / 15.0' R	10	CB (EX.)	GRATE (EX)	3.54		**Raise Ex. CB grate to 4.10**
STA 3+42 / 15.0' L	11	CB (EX.)	GRATE (EX)	2.68		**Demolish Ex CB 11**
STA 3+42 / 15.0' L	**11A**	**Type B - Mod. (4'x6) CB**	**Type A Grate**	**4.12**		
STA 3+42 / 15.0' R	12	CB (EX.)	GRATE (EX)	2.78		**Demolish Ex CB 12**
STA 3+42 / 15.0' L	**12A**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+60 / 15.0' L	**84**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 2+67 / 6.0' R	**85**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
STA 2+60 / 15.0' R	**86**	**Type A - CB**	**Type A Grate**	**4.12**		
STA 3+37 / 6.0' R	**87**	**Type A - MH**	**TOH Drain / HD Cover & Frame**	**4.54**		
JACKSON PLACE						
STA 0+25 / 17.0' R	14	MH (EX)	COVER / RIM	4.57		Existing MH
STA 0+83 / 15.0' L	15	CB (EX.)	INLET (EX)		3.42	**Alter CB / Raise Inlet to 4.08**
STA 0+84 / 15.0' R	16	CB (EX.)	GRATE (EX)	3.57		**Raise Ex. CB grate to 4.08**
STA 4+37 / 15.0' L	17	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 4+35 / 5.0' R	18	MH (EX)	COVER / RIM	3.32		**Demolish Ex MH 18**
STA 4+35 / 5.0' R	**18A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+36 / 15.0' R	19	CB (EX.)	GRATE (EX)	2.91		**Raise Ex. CB grate to 4.00**
STA 7+44 / 15.0' L	21	CB (EX.)	GRATE (EX)	2.40		Demolish Ex CB 21
STA 7+44 / 15.0' L	**21A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 7+43 / 6.0' R	22	MH (EX)	COVER / RIM	2.56		Demolish Ex MH 22
STA 7+44 / 6.0' R	**22A**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.45**		
STA 7+45 / 15.0' R	23	CB (EX.)	GRATE (EX)	2.49		Demolish Ex CB 23
STA 7+57 / 15.0' L	**23A**	**Type A - CB**	**Type A Grate**	**4.03**		
STA 5+90 / 15.0' R	**54**	**Type A CB**	**Type A Grate**	**4.00**		
STA 5+98 / 5.0' R	**55**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 5+90 / 15.0' L	**56**	**Type A - CB**	**Type A Grate**	**4.00**		
WASHINGTON PLACE						
STA 0+20 / 33.0' R	64	CB (EX.)	GRATE (EX)	3.66		
STA 0+11 / 19.0' R	65	MH (EX)	COVER / RIM	4.11		
STA 0+11 / 11.0' L	66	MH (EX)	COVER / RIM	4.29		
STA 0+22 / 31.0' L	67	CB (EX.)	INLET (EX)		4.17	**Lower Inlet to 4.05**
STA 0+29 / 4.5' R	68	MH (EX)	COVER / RIM	3.91		
STA 0+64 / 14.0' L	69	CB (EX.)	GRATE (EX)	3.28		**Raise Ex. CB grate to 4.00**
STA 0+65 / 4.5' R	70	MH (EX)	COVER / RIM	3.79		**Raise Ex. CB grate to 4.45**
STA 2+66 / 14.0' R	71	CB (EX.)	GRATE (EX)	3.27		**Raise Ex. CB grate to 4.00**
STA 2+66 / 4.5' L	72	CB (EX.)	GRATE (EX)	3.09		**Raise Ex. CB grate to 4.00**
STA 2+67 / 4.5' R	73	MH (EX)	COVER / RIM	3.52		**Raise Ex. CB grate to 4.42**
STA 2+69 / 14.0' L	74	CB (EX.)	GRATE (EX)	3.14		**Raise Ex. CB grate to 4.00**
STA 3+22 / 4.5' R	75	MH (EX)	COVER / RIM	3.67		**Raise MH Rim to 4.60**
STA 6+26 / 5.0' R	76	CB (EX.)	GRATE (EX)	3.12		**Demolish Ex CB 76**
STA 6+26 / 14.0' L	**76A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	77	MH (EX)	COVER / RIM	3.22		**Raise Ex. MH Rim to 4.45**
STA 6+24 / 4.5' R	78	CB (EX.)	GRATE (EX)	2.81		**Demolish Ex CB 78**
STA 6+22 / 14.0' R	**78A**	**Type A CB**	**Type A Grate**	**4.00**		
STA 6+25 / 4.5' R	79	MH (EX)	COVER / RIM	3.09		**Raise Ex. MH Rim to 4.60**
STA 4+25 / 14.0' L	**81**	**Type A - CB**	**Type A Grate**	**4.00**		
STA 4+25 / 5.0' R	**82**	**Type 3 - 4' Dia MH**	**TOH Drain / HD Cover & Frame**	**4.42**		
STA 4+17 / 14.0' R	**83**	**Type A - CB**	**Type A Grate**	**4.00**		
DRIVEWAY AND YARD DRAINS						
HAYES PLACE						
RES # 3139 E. Pkwy	**DDH1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDH2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.10**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1125	**DDH3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.50**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1133	**DDH4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1130	**DDH5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH6**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 3147 E. Pkwy	**DDH7**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VAN BUREN PLACE						
RES # 1111	**DDV1**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1111	**DDV2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES #1126	**DDV3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 8	**DDV5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1104	**DDV6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.30**		**Inv. 1.2 (N/S) - 8" PVC**
JACKSON PLACE						
RES # 3199 E. Pkwy	**DDJ1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDJ3**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1131	**DDJ4**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 19	**DDJ5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.20**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.60**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 25	**DDJ7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.70**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1159	**DDJ9**	**12" Dia Yard Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1132	**DDJ10**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.80**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1106	**DDJ11**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1094	**DDJ12**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
WASHINGTON PLACE						
RES # 1107	**DDW1**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1115	**DDW2**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1123	**DDW3**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 1127	**DDW4**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 9	**DDW5**	**12" Dia Dwy Drain**	**12" Dia Grate**	**3.90**		**Inv. 1.2 (S/S) - 8" PVC**
RES # 7	**DDW6**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 5	**DDW7**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 12	**DDW8**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1134	**DDW9**	**12" Dia Dwy Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
RES # 1124	**DDW10**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**
VACANT	**DDW11**	**12" Dia Yard Drain**	**12" Dia Grate**	**4.00**		**Inv. 1.2 (N/S) - 8" PVC**

Storm Water Drainage Pipe Invert and Location Table

Location	Pipe Type	Pipe Length	Pipe Size	Invert	Remark
HAYES PLACE					
CB 3				0.49	(EX)
TO	RCP (EX)	20'	18" Dia		
CB 2				0.40	(EX)
CB 2				0.30	(EX)
TO	RCP (EX)	50'	18" Dia		
MH 1				0.15	(EX)
CB 50				**0.70**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 51				**0.55**	
CB 52				**0.70**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 51				**0.55**	
MH 51				**0.50**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 53				**0.10**	
CB 6A				**0.60**	
TO	**Class 5 - RCP**	**9'**	**15" Dia.**		
MH 53				**0.40**	
MH 53				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 4A				**-0.10**	
CB 4A				**-0.10**	
TO	**HDPE PIPE**	**30'**	**18" Dia.**		
OUTFALL 7A				**-0.30**	**AT BULKHEAD**
VAN BUREN PLACE					
CB 9				0.00	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 10				-0.26	(EX)
CB 10				-0.36	(EX)
TO	RCP (EX)	48'	18" Dia		
MH 8				-0.61	(EX)
CB 84				**0.60**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 85				**0.40**	
CB 86				**0.60**	
TO	**HDPE PIPE**	**7'**	**15" Dia.**		
MH 85				**0.40**	
MH 85				**0.30**	
TO	**HDPE PIPE**	**72'**	**18" Dia.**		
MH 87				**0.10**	
CB 12A				**0.40**	
TO	**HDPE PIPE**	**6'**	**15" Dia.**		
MH 87				**0.20**	
MH 87				**0.00**	
TO	**HDPE PIPE**	**20'**	**18" Dia.**		
CB 11A				**-0.15**	
CB 11A				**-0.20**	
TO	**HDPE PIPE**	**58'**	**18" Dia.**		
OUTFALL 13A				**-0.40**	**AT BULKHEAD**
JACKSON PLACE					
CB 15				0.34	(EX)
TO	RCP (EX)	28'	18" Dia		
CB 16				0.27	(EX)
CB 16				0.27	(EX)
TO	RCP (EX)	54'	18" Dia		
MH 14				-1.23	(EX)
CB 88				**0.50**	
TO	**HDPE PIPE**	**21'**	**15" Dia.**		
MH 89				**0.45**	
CB 90				**0.60**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 89				**0.45**	
MH 89				**0.40**	
TO	**HDPE PIPE**	**102'**	**18" Dia.**		
MH 18				**0.10**	
CB 19				0.70	(EX)
TO	**HDPE PIPE**	**5'**	**15" Dia.**		
MH 18A				**0.50**	
CB 17				0.70	
TO	**HDPE PIPE**	**16'**	**15" Dia.**		
MH 18A				**0.50**	
MH 18A				**0.00**	
TO	**HDPE PIPE**	**158'**	**18" Dia.**		
MH 55				**-0.40**	
CB 54				**0.40**	
TO	**HDPE PIPE**	**10'**	**15" Dia.**		
MH 55				**0.20**	
CB 56				**0.40**	
TO	**HDPE PIPE**	**20'**	**15" Dia.**		
MH 55				**0.20**	
MH 55				**-0.45**	
TO	**HDPE PIPE**	**142'**	**18" Dia.**		
MH 22A				**-0.80**	
CB 23A				**0.40**	
TO	**HDPE PIPE**	**12'**	**15" Dia.**		
MH 22A				**0.20**	
CB 21A				**0.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 22A				**0.20**	
MH 22A				**-0.85**	
TO	**HDPE PIPE**	**42'**	**18" Dia.**		
OUTFALL 24A				**-1.00**	**AT BULKHEAD**
WASHINGTON PLACE					
MH 68				-1.75	
TO	RCP (EX)	38'	18" Dia.		
MH 70				-1.87	
CB 69				0.32	
TO	RCP (EX)	16'	18" Dia.		
MH 70				-0.15	
CB 71				-1.31	
TO	RCP (EX)	6'	18" Dia.		
MH 70				-1.50	
MH 70				-1.87	
TO	RCP (EX)	200'	30" Dia		
MH 73				-1.91	
CB 72				0.05	
TO	RCP (EX)	15'	18" Dia.		
MH 73				0.05	
CB 74				-0.40	
TO	RCP (EX)	4'	18" Dia.		
MH 73				-0.50	
MH 73				-1.91	
TO	RCP (EX)	52'	30" Dia.		
MH 75				-2.20	
MH 75				-2.20	
TO	RCP (EX)	105'	30" Dia.		
MH 82				-2.75	
CB 81				**0.30**	
TO	**HDPE PIPE**	**18'**	**15" Dia.**		
MH 82				**0.10**	
CB 83				**0.30**	
TO	**HDPE PIPE**	**8'**	**15" Dia.**		
MH 82				**0.10**	
MH 82				-2.75	
TO	RCP (EX)	198'	30" Dia.		
MH 77				-3.80	(EX)
CB 76A				**-1.40**	
TO	**HDPE PIPE**	**16'**	**18" Dia.**		
MH 77				**-1.60**	
CB 78A				**-1.40**	
TO	**HDPE PIPE**	**6'**	**18" Dia.**		
MH 77				**-1.60**	
MH 77				-3.80	
TO	RCP (EX)	8'	30" Dia.		
MH 79				-4.00	30" Check Valve(EX)
MH 79				-3.00	
TO	RCP (EX)	38'	30" Dia.		
OUTFALL 80				-3.35	**At bulkhead**

NO.	DATE	REVISION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER:	DRAWN BY:
SP	JEZ/FF
DESIGNED BY:	CHECKED BY:
JC	WDM

D&B ENGINEERS AND ARCHITECTS, P.C.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY NEW YORK

EAST BALDWIN
ROAD RAISING IMPROVEMENTS

EXISTING AND PROPOSED DRAINAGE PLAN

PROJECT NO. **3760**
DATE: **JUNE 2016**
SCALE: **1"=100'**
DRAWING NO. **G4**

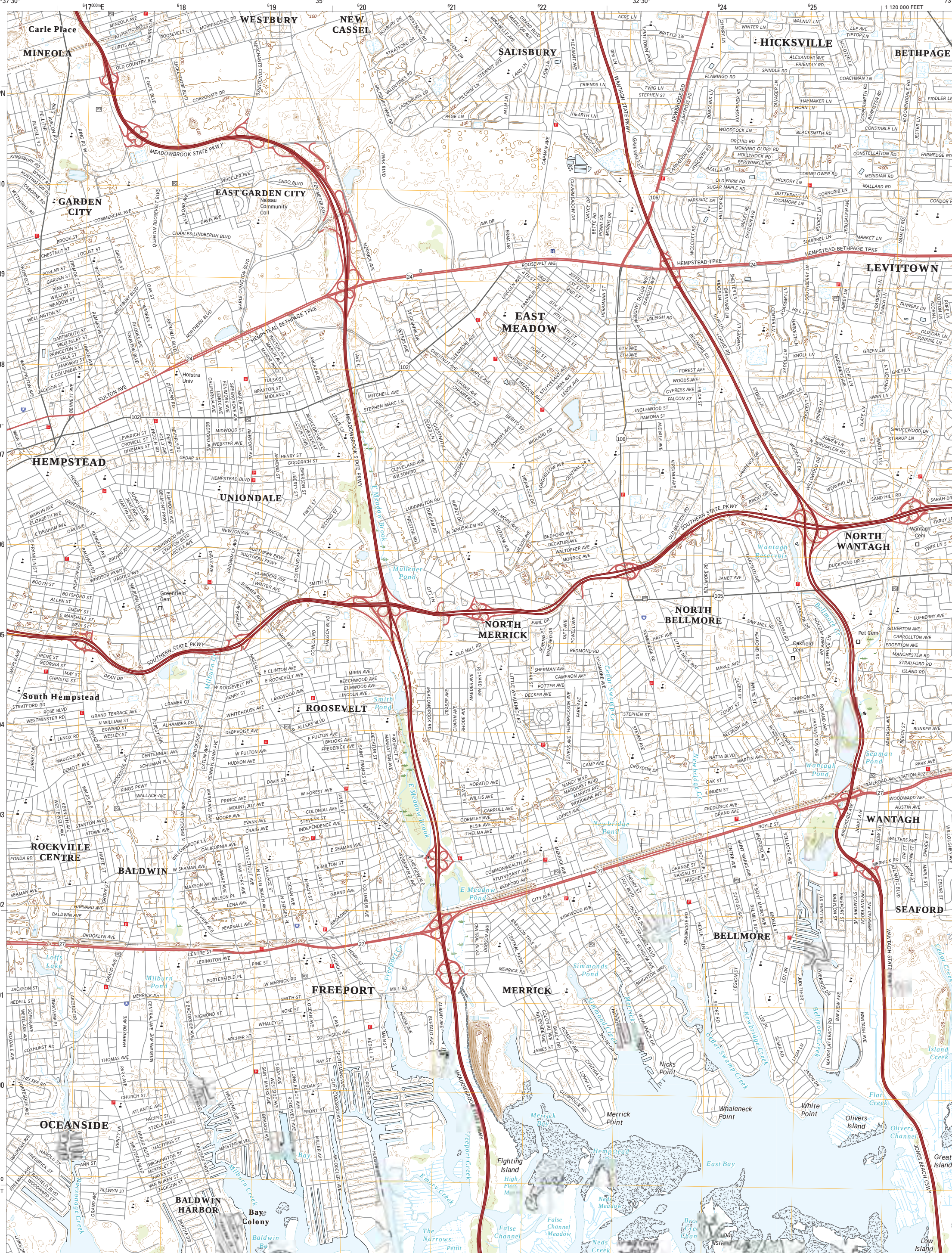
APPENDIX I

TOPOGRAPHIC MAPS

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

FREEPORT QUADRANGLE
NEW YORK-NASSAU CO.
7.5-MINUTE SERIES



Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 18T
10 000-foot ticks: New York Coordinate System of 1983 (long island zone)

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, June 2013
Roads..... U.S. Census Bureau, 2015 - 2016
Names.....GNIS, 2016
Hydrography.....National Hydrography Dataset, 2013
Contours.....National Elevation Dataset, 2015
Boundaries.....Multiple sources; see metadata file 1972 - 2016

Wetlands.....FWS National Wetlands Inventory 1977 - 2014

MN
GN
13° 10´
234 MILS
0° 56´
17 MILS

UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
XL
XK
Grid Zone Designation
18T

SCALE 1:24 000

KILOMETERS
METERS
MILES
FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.19

NEW YORK
QUADRANGLE LOCATION

ADJOINING QUADRANGLES
1 Sea Cliff
2 Hicksville
3 Huntington
4 Lynbrook
5 Amityville
6 Lawrence
7 Jones Inlet
8 West Gilgo Beach

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

FREEPORT, NY
2016

APPENDIX J

SEQRA DOCUMENTATION

Governor's Office of Storm Recovery

ANDREW M. CUOMO
Governor

LISA BOVA-HIATT
Executive Director

STATE ENVIRONMENTAL QUALITY REVIEW ACT
DETERMINATION OF NON-SIGNIFICANCE (NEGATIVE DECLARATION)

EAST BALDWIN ROAD RAISING PROJECT

DATE: May 1, 2017
NAME OF ACTION: East Baldwin Road Raising Project

LOCATION: Washington Place, Hayes Place, Van Buren Place, and Jackson Place, Baldwin, NY 11510

SEQRA CLASSIFICATION: [ ] Type I; [X] Unlisted

REVIEW TYPE: [X] Coordinated; [ ] Uncoordinated

DETERMINATION OF SIGNIFICANCE: [X] Negative Declaration; [ ] Positive Declaration

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The Proposed Project:
The Governor's Office of Storm Recovery (GOSR), acting under the auspices of New York State Homes and Community Renewal's (HCR) Housing Trust Fund Corporation (HTFC), is managing the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant – Disaster Recovery (CDBG-DR) program pursuant to the Disaster Relief Appropriations Act of 2013 (Public Law 113-2, approved January 29, 2013). GOSR intends to approve funding for road raising and improvements of four residential streets, Washington Place, Hayes Place, Van Buren Place, and Jackson Place (Project) located in the Hamlet of Baldwin, Town of Hempstead, Nassau County, New York, from the CDBG-DR Community Reconstruction and Infrastructure Program Fund. The Project would disturb approximately 2 acres of previously developed land, on an approximately 13.6-acre Project site, encompassing multiple parcels.

The proposed Project consists of raising street levels for approximately 2,215 linear feet of four residential streets to sufficient minimum gutter elevation to meet the Federal Emergency Management Agency's (FEMA's) 10-year still water level. At their western ends, the streets would be sloped down to the level of Eastern Parkway. There would be no construction along Eastern Parkway. Construction will include replacing concrete curbs and sidewalks, expanding the existing storm water drainage system by installing new drains on public and private property, installing check valves on existing outfalls, and reconstructing street-end bulkheads to minimum elevations of 7.5 feet National Geodetic Vertical Datum (NGVD).

Temporary construction easements are needed to implement this project and are being conducted in compliance with the Uniform Relocation Assistance and Real Property Acquisition Act of 1970 (URA) as well as all other applicable federal, state, and local regulations. If at any time it is determined that permanent or additional temporary acquisition of property is necessary the Town of Hempstead will comply with all applicable laws.

Purpose and Need:
Flood waters from Superstorm Sandy and Hurricane Irene caused significant tidal flooding in and around the Project area. The streets of Washington Place, Hayes Place, Van Buren Place, and Jackson Place experienced

severe tidal flooding during these storms. Large sections of these streets are less than 1.5 feet of elevation above the NGVD, making them susceptible to flooding from more frequent events, predicted sea-level rise and tidal flooding from the adjacent Millburn Creek and Baldwin Bay. Such tidal flooding occurs on a frequent basis and can be especially damaging when major rainstorms coincide with a high tide period. This continual flooding will only get worse if left unabated and directly affects the community's resiliency, the ability of first responders to access the homes, quality of life and property values. There are approximately 65 single-family residential properties adjacent to the proposed road improvements, all of which are affected by the continual flooding.

The proposed engineered improvements are needed to reduce street flooding and lessen the impacts to public health, property, and welfare that occur during major storms and high tides. The proposed Project would improve the quality of life for the property owners and their families by reducing the impacts of flooding and increasing safety, enabling emergency vehicle access faster since the duration of time until roads are passable will be shortened, and the Town benefits from constructing infrastructure improvements that take into consideration the predicted frequency and severity of future storm events.

Existing Conditions:
The proposed Project is located in the hamlet of Baldwin, in the Town of Hempstead, Nassau County, New York. The hamlet of Baldwin is located west adjacent to Millburn Creek and Baldwin Bay. The Baldwin community contains a mix of residential neighborhoods, commercial properties including retail stores, banks, and medical centers, and open spaces. Because Baldwin is located along the shoreline of Long Island, many of its critical natural, economic, recreational, historic, and residential assets are located in the flood-prone portions of the community. The current land cover of the 2-acre portion to be disturbed is paved residential streets. The Project site is surrounded by fully developed residences with yards and driveways (mix of brick, concrete, and asphalt).

Funding:
The total Project cost is estimated at $2,061,000. GOSR proposes to allocate funding pursuant to HUD CDBG-DR program as authorized by Public Law 113-2, approved January 29, 2013.

Environmental Considerations:
The four residential streets to be raised are located in the 100-year floodplain and experienced severe tidal flooding during Superstorm Sandy and Hurricane Irene. The severity of these storms along with significant flooding that occurs when major rainstorms coincide with a high tide period, overloaded the capacity of the storm drainage systems of these residential streets and demonstrated the need for road raising and improvements. The proposed road raising and improvements will protect residents, private properties, and public infrastructure from the flooding of Millburn Creek and Baldwin Bay.

Land Use, Zoning, Public Policy and Urban Design – The proposed Project is consistent with existing zoning regulations, land use types, building height and scale. The Project would maintain current land use and would therefore be compatible with existing land use. The Project site would continue to be zoned as single-family residential. The proposed Project was identified in the Baldwin/Baldwin Harbor NY Rising Community Reconstruction Plan (NYRCR), and the Planning Committee and members of the public consider the raising of these residential streets in Baldwin critical to reducing the risk of flooding to community transportation infrastructure and houses. The proposed Project would not result in the creation of new jobs and/or an increase in the number of employees and would therefore not have an urbanizing effect.

Soil Suitability, Slope, Erosion, Drainage, and Storm Water Runoff – The proposed site has been previously disturbed and developed, surrounded immediately by single-family residential properties. According to the United States Department of Agriculture – Natural Resources Conservation Service Web Soil Survey, the proposed Project site is flat with 0 to 3% slopes. The proposed activities will change the slope of the existing site. At their western ends, the streets would be sloped down to the level of Eastern Parkway. In addition, the front yards and driveways of the individual properties along each street will be sloped up to the new level of the roads. However, these changes to the slope of the existing Project site will be minor. Because the amount

of ground disturbance at the Project site is greater than one acre, a State Pollutant Discharge Elimination System (SPDES) Permit for Construction Activities is required. In addition, best management practices (BMPs), such as silt fence and erosion prevention, would be implemented to eliminate erosion impacts for program locations that require excavation or soil modification, so impacts from erosion are not anticipated as a result of this program. Any existing vegetation to be removed will be replanted in kind. Although in-ground disturbance will occur for these improvements, any soil impacts during construction would be considered negligible. A storm water management plan will be prepared in accordance with the requirements from the SPDES Stormwater Permit for construction activities. There will be no discharge of effluent onto adjacent properties.

Hazards and Nuisances, including Site Safety and Noise – The proposed Project will not adversely affect air quality. The proposed Project is located in a designated non-attainment area for air quality; however, the proposed activities will not affect transportation patterns or levels of service thereby aiding the preservation of local air quality. Standard BMPs will be implemented during construction to control dust and other emissions. No significant impacts on air quality will result due to the proposed Project.

No hazardous or solid waste storage is evident on the site, and the Project would not expose new populations to hazards or nuisances because no new populations would reside on the Project site. A search of the New York State Department of Environmental Conservation (NYSDEC) Bulk Storage Program Database identified five petroleum bulk storage facilities and two petroleum bulk storage facilities, and one chemical bulk storage facility within 1 mile of the Project site. A search of the NYSDEC Remedial Site Database that contains records of the sites being addressed under one of Division of Environmental Remediation's remedial programs (State Superfund, Brownfield Cleanup, Environmental Restoration and Voluntary Cleanup, the Registry of Inactive Hazardous Waste Disposal Sites, and Institutional and Engineering Controls), identified one State Superfund Program remediation site (Site 130063 - Nassau Uniform Service) and one Voluntary Cleanup remediation site (Site V00523 - Safeguard Storage Baldwin Site) within 1 mile of the Project site.

Some noise may be generated during construction; however, this will be temporary and will not adversely impact the surrounding areas. The proposed activities will not significantly increase the level of noise or vibration compared to current conditions. In addition, no blasting will be required.

Energy Consumption – The proposed Project will not cause an increase in the use of energy.

Socioeconomic Impacts and Community Facilities and Services – The proposed Project would create temporary construction jobs. However, these jobs would not significantly increase employment opportunities or impact income patterns. The proposed Project would not result in the creation of new permanent jobs and/or result in an increase in the number of employees in the hamlet of Baldwin and therefore would not impact employment and income patterns or alter the demographic characteristics of the surrounding community.

In addition, the Project would not increase the demand for educational, health care or social service facilities, nor would it directly or indirectly displace people, businesses, institutions, or community facilities as it would occur along existing residential streets owned by the Town of Hempstead.

The Project site does not contain a structure that is listed on either the State or National Register of Historic Places. The Project is likely to result in no historic properties affected, pursuant to Section 106 of the National Historic Preservation Act, as the historic period houses in the Project area have been altered and none of the houses appear to have qualities that would make them eligible for listing under NRHP. Furthermore, the neighborhood does not appear to represent a historical or stylistic collection of properties that would indicate the presence of a historic district. The Project location, near a creek and a bay, has been identified as being sensitive for archaeological sites, which indicates that the Project site may be an archaeologically sensitive resource designated on the New York State Historic Preservation Office (SHPO) archaeological site inventory. The proposed Project is located in an area of previously filled marsh and construction activities are limited to existing disturbed areas and paved residential streets of a single-family residential community. SHPO was contacted and provided project information to review and provide comments on the Project and potential impacts. In a letter dated March 15, 2017 SHPO stated that it is their opinion that no historic or cultural resources would be affected by the proposed Project.

Construction activities will include the replacement of concrete curbs and sidewalks, improving the storm water drainage system, installing check valves and utilize existing outfalls, reconstructing street-end bulkheads to minimum elevations of 7.5 NGVD, and installing larger storm drain inlets at property frontages to prevent negative construction impacts on private property. These construction activities would result in the generation of waste. The amount of solid waste generated from the construction would not significantly increase short-term generation of municipal solid waste as the total acreage would be 2 acres. All Project-generated solid waste materials must be managed and transported in accordance with the state's solid and hazardous waste rules.

No expansion of the sanitary sewer system would be required. The Project would not place a demand on a public sewer system.

The proposed Project will not change the residences' use of water. No changes to the public water systems are anticipated. There are no drinking water wells within one-half mile of the Project site. The proposed Project will not change the residences' use of wastewater. No changes to wastewater utilities are anticipated.

The proposed Project would not result in the creation of new jobs and/or result in an increase in the number of employees in the hamlet of Baldwin and therefore would not increase demand for police protection, fire protection, or emergency medical services. The proposed road raising and improvements would be constructed in compliance with local code requirements. The Project is expected to ensure that residents, private properties, and public infrastructure of the hamlet of Baldwin are protected from the flooding of Millburn Creek and Baldwin Bay, which is expected to have a beneficial impact on public safety.

The proposed Project of raising and improving the existing residential roads; Washington Place, Hayes Place, Van Buren Place, and Jackson Place, would not impact open space or recreation.

The proposed Project would not impact transportation. There would be a negligible increase in construction traffic.

Natural Features – The Project site is not located within a state listed Critical Environmental Area (CEA). The nearest CEA is the Jamaica Bay CEA, located approximately 5.8 miles west of the Project site.

Baldwin Bay and Millburn Creek are classified by the National Wetlands Inventory (NWI) as estuarine/marine deepwater, subtidal wetlands (E1). The NYSDEC classifies Baldwin Bay as a SB waterbody (Regulation ID: 885-151), which indicates marine waters that are best used for swimming and other recreation, and fishing. The proposed Project site abuts these regulated waterbodies to the west. The proposed Project would not physically alter, or encroach into the adjacent regulated wetlands.

The Project site is within an EPA regulated Sole Source Aquifer (SSA), the Nassau-Suffolk SSA. Consultation with the EPA occurred on December 2, 2016. A response was received on January 9, 2017, indicating that the Project satisfies the requirements of Section 1424(e) of the Safe Drinking Water Act.

The Project site is within the 100-year floodplain. However, the proposed Project will not result in an increase in the potential for erosion, flooding or drainage problems. The proposed actions will not create additional stormwater runoff that would adversely affect the existing of drainage systems. There will be no net increase in impervious surface on the Project site. A storm water management plan will be prepared in accordance with the requirements from the SPDES Stormwater Permit for construction activities. Storm water will not discharge onto adjacent properties.

The NY Natural Heritage Program (NYNHP) has no records of any rare or state-listed species in the Project area. The US Fish and Wildlife Service (USFWS) online review process, completed in November 2016, indicated four listed federal wildlife species and two listed federal plant species including piping plover (*Charadrius melodus*), red knot (*Calidris canutus rufa*), roseate tern (*Sterna dougallii dougallii*), northern long-eared bat (*Myotis septentrionalis*), sandplain gerardia (*Agalinis acuta*), and seabeach amaranth (*Amaranthus pumilis*) may occur within the boundary of and/or may be affected by the Project. A response had not been received within 30 days of the consultation, therefore, concurrence with the 'No Effect' determination is assumed.

The Project will not convert farmland to nonagricultural use; will not require preparation of an Agricultural Impact Statement and Notice of Intent, and is exempt under the Farmland Protection Policy Act (FPPA).

The proposed Project is classified as an Unlisted action, and GOSR, as the lead agency, prepared a Short Environmental Assessment Form (EAF) under SEQRA. The proposed Project is funding the road raising and improvements of Washington Place, Hayes Place, Van Buren Place, and Jackson Place to protect residents, private properties, and public infrastructure from the flooding of Millburn Creek and Baldwin Bay during major storm events and tidal flooding that occurs on a frequent basis, and as such is not of sufficient scale to result in adverse effects to existing air quality, surface or groundwater quality or quantity, noise levels, existing traffic patterns, solid waste production or disposal, or to create erosion or drainage problems.

The proposed Project would include the following measures to avoid or reduce environmental effects:

- Implementation of standard best management practices (BMP) would control dust and other emissions during construction.

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 laws, 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 practicable, the following mitigation measures recommended by the United States Environmental Protection Agency would be implemented by the Responsible Entity to minimize environmental impacts and create a more sustainable Project:

- Construction and demolition – utilize local and recycled materials in the construction process and to recycle materials generated onsite to the maximum extent possible
- 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 firehouse when possible; and
- Water conservation and efficiency – promote water conservation and efficiency through the use of water efficient products and practices.
    - The 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; or other significant adverse impacts to natural resources;"(§617.7(c)(1)(iii))

iii. 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))

iv. Not result in "the creation of a hazard to human health;" (§617.7(c)(1)(vii))

v. 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))

vi. 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))

vii. 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))

viii. 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(c)(1)(xi))

Therefore, GOSR, acting as Lead Agency, and having prepared a Short Environmental Assessment Form (SEAF), 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.

Date: May 1, 2017
Matt Accardi
Certifying Officer – Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor, New York, NY 10004
Office: (212) 480-6265

Attachments:

Environmental Assessment Form (Parts, 1, 2 and 3)
Site Location Figure
Site Plan
Negative Declaration Distribution List

A copy of this Notice is available at the following web address:

http://www.stormrecovery.ny.gov/environmental-docs