Site Design Consultants

Civil Engineers • Land Planners

June 12, 2015

Ms. Rebecca Crist
NYS DEC - Region 3
Division of Environmental Permits
21 S Putt Corner Road
New Paltz, NY 12561

Re: Elliott Way Site Improvements
Village of Croton-On-Hudson

Dear Ms. Crist:

Subsequent to our meeting with representatives from the NYS DEC, in conjunction with representatives from the Village of Croton-On-Hudson, we have prepared and are forwarding you enclosed the following documents for a joint application with the US Army Corps of Engineers and the NYS Department of State Coastal Management Program.

We are forwarding to you one digital copy and have enclosed one print copy of the following completed items for your review and approval of the above referenced project:

- NYS DEC Division of Environmental Permits "Application for Permit for the Construction, Reconstruction or Expansion of Docking and Mooring Facilities;"
- NYS DEC "Permission to Inspect Property;"
- US Army Corps of Engineers "Joint Application Form;"
- NYS DOS Coastal Management Program "Federal Consistency Assessment Form;"
- Full EAF with project description;
- One set of Site Plans titled "Improvement Plan Prepared for Elliott Way Improvements," prepared by Site Design Consultants, Sheets C-101 through C-106 and C-501, last revised 6/11/15;

These plans, applications and descriptive documents have been prepared in accordance with the requirements of the noted agencies. By copy of this letter, we are submitting same to the two other agencies named below for their joint review.

251-F Underhill Avenue • Yorktown Heights, New York 10598
60 Walnut Grove Road • Ridgefield, Connecticut 06877
(914) 962-4488 (203) 431-9504 Fax (914) 962-7386

We appreciate your consideration in reviewing this submission, and please advise if additional information or copies are required. Thank you.

Yours Truly,

Joseph C. Riina, P.E.

Cc: US Army Corps of Engineers, NY District (w/enc.)
Attn: Regulatory Branch, Room 1937
26 Federal Plaza
New York, NY 10278-0090

NYS Department of State (w/enc.)
Office of Coastal, Local Government and Community Sustainability
Attention: Consistency Review Unit
One Commerce Plaza – Suite 1010
99 Washington Avenue
Albany, NY 12231
518-474-6000

Anthony Carr, P.E., CFM, LT, CEC, USN (w/digital enc. and 3 sets of prints)
Village of Croton-On-Hudson

JCR/cm/enc./sdc 11-20

95-19-007(12/94)

Supplement D-2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL PERMITS

APPLICATION FOR PERMIT
FOR THE CONSTRUCTION, RECONSTRUCTION OR EXPANSION
OF DOCKING AND MOORING FACILITIES
(Including Platforms and Breakwaters)

PLEASE READ ALL INSTRUCTIONS ON THE FOLLOWING PAGE. TYPE OR PRINT CLEARLY IN INK.
ATTACH ADDITIONAL INFORMATION AS NEEDED.

FOR AGENCY USE ONLY
DEC APPLICATION NUMBER:
U.S. ARMY CORPS OF ENGINEERS APPLICATION NUMBER:

PROJECT CONSTRUCTION DESCRIPTION:
Improvement and widening of Elliot Way, Village of Croton-on-Hudson

1. TYPE OF ACTIVITY:
   ☑ New Facility Construction ☐ Substantial Reconstruction ☐ Expansion ☐ Change in Use

2. CAPACITY OF DOCKING FACILITY OR MOORING AREA:
   Maximum number of boats to be docked: N.A.
   Maximum number of boats to be moored: N.A.
   Boat type and size ranges to be served: N.A.
   Total surface area of facility perimeter: 6,800 square feet

3. IDENTIFY STRUCTURE TYPES AND THE USE OF SUCH STRUCTURES, INCLUDE SIZE, TYPE OF CONSTRUCTION AND MATERIALS TO BE USED, IF SUBSTANTIAL RECONSTRUCTION IS REQUIRED, EXPLAIN EXTENT OF ACTIVITY INCLUDING PERCENTAGE OF THE TOTAL STRUCTURE SIZE AFFECTED.
   See Attached Sheet

(continue on attached sheet if necessary)

4. FOR NEW FACILITY, EXPANSION OF EXISTING FACILITY OR CHANGE IN USE, CHECK APPROPRIATE ITEMS AND DESCRIBE THE SERVICES TO BE PROVIDED:
   ☐ Water Supply:
   ☐ Sewage Disposal:
   ☑ Electrical Supply: Install new underground electrical lines for on site lighting
   ☐ Gas Supply:
   ☐ Gasoline/Oil Supply:
   ☐ Other:

(continue on attached sheet if necessary)

5. SIGNATURE: James M Tarr, Acting Manager DATE: 5/27/15

Reset

APPLICABILITY

1. The construction, reconstruction or expansion of docking or mooring facilities on, in or above state-owned lands under water requires authorization from the New York State Office of General Services. For application requirements contact: New York State Office of General Services, Division of Real Property Planning, Bureau of Land Management, Empire State Plaza, Corning Tower, 26th Floor, Albany, NY 12242. A permit pursuant to Article 15, Title 5 of the Environmental Conservation Law may not be required from the Department of Environmental Conservation in these circumstances.

2. The determination that no permit is required from the New York State Department of Environmental Conservation does not necessarily mean that no permit is required from the Unites States Army Corps of Engineers. All partes considering constructing projects within the navigable waters of the State should consult directly with the United States Army Corps of Engineers to accurately determine what requirements apply.

INSTRUCTIONS

1. Application shall include four (4) copies of this form, a map showing the facility location, scaled plans, cross-sections and specifications depicting all major structures and the delineated facility perimeters that include a reference point tied to a permanent structure or significant natural features.

2. This application must be accompanied by a New York State Department of Environmental Conservation JOINT APPLICATION FOR PERMIT (95-19-3).

3. Applications shall be submitted to the Regional Permit Administrator at the appropriate office of the Department, as indicated on the JOINT APPLICATION FOR PERMIT.

4. Construction, reconstruction or installation of docking and mooring structures shall NOT be started until a permit authorizing such activity has been issued by the New York State Department of Environmental Conservation.

5. The following definitions as listed in 6 NYCRR Part 608.1 apply.

   Docking Facility means any marine, boat basin, marine terminal, and any other areas on navigable waters containing a single structure or a collection of related structures, such as docks, piers, platforms, bulkheads, breakwaters, and pilings, used for the reception, securing, and protection of boats, ships, barges or other water craft.

   Mooring means a float, buoy, chain, cable, rope, pile, spar, dolphin or any other device or combination of devices that are anchored or fixed in navigable waters of the state to which a vessel can be made fast.

   Mooring Area means a collection of individual moorings located within a definable area of navigable waters of the state and under single private ownership or control.

   Perimeter means a boundary of a docking facility or mooring area consisting of a series of connected imaginary lines on a plan or map, encompassing all related structures such as docks, bulkheads, breakwaters, pilings, piers, platforms or moorings and the travel lanes and berthing areas that function together to create a facility or area at which vessels may be docked or moored.

   Platform means a generally horizontal, flat surface located in, on or over a waterbody, on which structures can be constructed or any activities can be conducted.

   Substantial reconstruction of structures means restoration or rebuilding, involving fifty percent (50%) or more of an existing fixed structure's surface area.

APPLICATION FOR PERMIT

3. IDENTIFY STRUCTURE TYPES AND THE USE OF SUCH STRUCTURES...

Project Description

The objective of this project is to create a safe pedestrian access link along Elliott Way. Elliott Way is a narrow single lane access road that parallels the Hudson River shoreline. Pedestrian walkways currently exist to the north and south of the project limits. The project limits are bounded by Senasqua Park to the south and Croton Landing Park to the north. Croton Landing Park is a significate visitors destination as the Village of Croton-on-Hudson erected a September 11 Memorial. The link between Senasqua Park and Croton Landing Park will be created by constructing a combination Elevated Boardwalk and At-Grade Concrete Sidewalk. The overall project length is approximately 805 linear feet. This project is intended to link these two important recreational parks. The link will correct what is currently an extremely unsafe condition where pedestrians walk, run, and bike along a narrow single lane road. This stretch of narrow road is at times heavily used by pedestrians, passenger vehicles, and commercial traffic. There is limited visibility, lighting and no delineated walkways for the heavy pedestrian and bike traffic between Senasqua Park and Croton Landing. The improvements to Elliott Way will include two 8'-6"wide at-grade concrete sidewalks (Station 0+00 to Station 1+45 and Station 5+06 to Station 8+05). The first 145 feet of the at-grade-concrete sidewalk will be supported by a low wall made of precast concrete block units. The center section will consist of an 8'-6" wide elevated precast concrete boardwalk, 360' long (Station 1+45 to Station 5+06), and will be constructed in the area of the Hudson River shoreline. The project originates at the north end of the Senasqua Park parking area, concluding at the Croton Yacht Club. In addition to the walkway, Elliott Way will be reconstructed by removing and replacing the existing pavement, installing new drainage, looping of a public watermain and installing a new guide rail. Also included in this work will be the replacement of an existing corrugated metal arch pipe which runs across Elliott Way and discharges into an existing sediment basin on the river's edge. Being that the sediment trap is just off the edge of the roadway it is easily accessible for cleaning by the Village. The sediment basin is currently formed by a deteriorated timber sheeting barrier. It is proposed to replace the timber sheeting barrier with a new line of steel sheeting. Lastly the project will involve the rehabilitation of the shoreline along the project. This will include the removal of broken concrete slabs and debris. Then shoreline protection will be installed using a combination of large rip-rap rock and native vegetation.

Project Elements

1. **Elevated Boardwalk** - The elevated section will utilize a PermaTrak Boardwalk system. PermaTrak is a proprietary system consisting of structural precast concrete elements that will be supported on 7-5/8" diameter Micropiles. The PermaTrak structural members include precast concrete caps, beams and tread (deck) beams. The decking for the Boardwalk will cantilever 3' feet over the pile supports on the river side.

2. **At-Grade Concrete Sidewalk** – The At-Grade Concrete Sidewalk will consist of an 8'-6" wide cast in place concrete sidewalk. It will be constructed from Station 0+00 to Station 1+45 and from Station 5+06 to Station 8+05. A low (1'- 0" to 2'-0" high) precast modular block protection wall will be installed from Station 5+06 to Station 8+05 to prevent erosion of the sidewalk.

3. **Rehabilitation of Elliott Way** – The pavement section for Elliott Way is currently in disrepair. The pavement will be removed and replaced with a new pavement section. In addition, new utilities will be installed such as the interconnection of two dead ended watermains. Also a new drainage collection and piping system will be installed which will discharge directly into the sediment basin. Currently storm water runoff discharges directly into the river.

4. **Shore Rehabilitation** – The existing shoreline will be rehabilitated and restored. All existing deleterious surface material and debris such as broken concrete, timbers and drift wood will be removed. A combination of new rip rap shore protection and native vegetation will be utilized to provide proper stabilization.

5. **Replacement of Arch Pipe** – The existing corrugated metal arch pipe under Elliot Way will be removed and replaced. The discharge point of this pipe is into the sediment basin.

6. **Replacement of Sediment Basin** – The existing corrugated metal arch pipe which runs below Elliott Way discharges into a make shift sedimentation basin. Under this project the existing sedimentation basin will be replaced with a new more robust structure to control sediment deposits.

New York State
Department of Environmental Conservation

PERMISSION TO INSPECT PROPERTY

By signing this permission form for submission with an application for a permit(s) to the Department of Environmental Conservation ("DEC"), the signer consents to inspection by DEC staff of the project site or facility for which a permit is sought and, to the extent necessary, areas adjacent to the project site or facility. This consent allows DEC staff to enter upon and pass through such property in order to inspect the project site or facility, without prior notice, between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday. If DEC staff should wish to conduct an inspection at any other times, DEC staff will so notify the applicant and will obtain a separate consent for such an inspection.

Inspections may take place as part of the application review prior to a decision to grant or deny the permit(s) sought. By signing this consent form, the signer agrees that this consent remains in effect as long as the application is pending, and is effective regardless of whether the signer, applicant or an agent is present at the time of the inspection. In the event that the project site or facility is posted with any form of "posted" or "keep out" notices, or fenced in with an unlocked gate, this permission authorizes DEC staff to disregard such notices or unlocked gates at the time of inspection.

The signer further agrees that during an inspection, DEC staff may, among other things, take measurements, may analyze physical characteristics of the site including, but not limited to, soils and vegetation (taking samples for analysis), and may make drawings and take photographs.

Failure to grant consent for an inspection is grounds for, and may result in, denial of the permit(s) sought by the application.

Permission is granted for inspection of property located at the following address(es):

Elliot Way - Senasqua Park - Elliot Way, Croton-on-Hudson, NY 10520

Project Site - Elliot Way between the north end of the Sanasqua Park parking area, Croton-on-Hudson and the Croton Yacht Club

*By signing this form, I affirm under penalty of perjury that I am authorized to give consent to entry by DEC staff as described above. I understand that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.**

Ms. Janine King, Acting Village Manager	Janine King	May 21, 2015
Print Name and Title	Signature	Date

*The signer of this form must be an individual or authorized representative of a legal entity that:

- owns fee title and is in possession of the property identified above;
- maintains possessory interest in the property through a lease, rental agreement or other legally binding agreement; or
- is provided permission to act on behalf of an individual or legal entity possessing fee title or other possessory interest in the property for the purpose of consenting to inspection of such property.

JOINT APPLICATION FORM

For Permits/Determinations to undertake activities affecting streams, waterways, waterbodies, wetlands, coastal areas and sources of water withdrawal.

New York State

US Army Corps of Engineers (USACE)

You must separately apply for and obtain separate Permits/Determinations from each involved agency prior to proceeding with work. Please read all instructions.

APPLICATIONS TO

1. NYS Department of Environmental Conservation

Check all permits that apply:

- ☐ Stream Disturbance
- ☑ Excavation and Fill in Navigable Waters
- ☑ Docks, Moorings or Platforms
- ☐ Dams and Impoundment Structures
- ☑ 401 Water Quality Certification
- ☐ Freshwater Wetlands
- ☐ Tidal Wetlands
- ☑ Coastal Erosion Management
- ☐ Wild, Scenic and Recreational Rivers
- ☐ Water Withdrawal
- ☐ Long Island Well
- ☐ Aquatic Vegetation Control
- ☐ Aquatic Insect Control
- ☐ Fish Control
- ☐ Incidental Take of Endangered/Threatened Species

☑ I am sending this application to this agency.

2. US Army Corps of Engineers

Check all permits that apply:

- ☑ Section 404 Clean Water Act
- ☐ Section 10 Rivers and Harbors Act
- ☑ Nationwide Permit(s) - Identify Number(s): 3, 13

Preconstruction Notification - ☑ Y / ☐ N

☑ I am sending this application to this agency.

3. NYS Office of General Services

Check all permits that apply:

- ☐ State Owned Lands Under Water
- ☐ Utility Easement (pipelines, conduits, cables, etc.)
- ☐ Docks, Moorings or Platforms

☐ I am sending this application to this agency.

4. NYS Department of State

Check if this applies:

- ☑ Coastal Consistency Concurrence

☑ I am sending this application to this agency.

5. Name of Applicant (use full name)

Village of Croton-on-Hudson
c/o Anthony Robert Carr, P.E., CFM

Mailing Address: Municipal Building, 1 Van Wyck Street

Post Office City: Croton-on-Hudson

State: NY Zip Code: 10520

Telephone (daytime): 914-271-3775

Email: acarr@crotononhudson-ny-gov

Applicant must be: (check all that apply)

- ☐ Owner
- ☐ Operator
- ☑ Lessee

Taxpayer ID (If applicant is NOT an individual): 13-6007288

6. Name of Facility or Property Owner (If different than Applicant): MTA Metro-North Railroad

Mailing Address: 525 North Broadway, 2nd Floor

Post Office City: White Plains

State: NY Zip Code: 10603

Telephone (daytime): 914-461-0592

Email: timko@mnr.org

7. Contact/Agent Name

Joseph C. Riina, P.E.

Company Name: Site Design Consultants

Mailing Address: 251F Underhill Avenue

Post Office City: Yorktown Heights

State: NY Zip Code: 10598

Telephone (daytime): 914-962-4488

Email: Jriina@sitedesignconsultants.c

8. Project / Facility Name

Elliott Way Site Improvement

Property Tax Map Section / Block / Lot Number: 078.12-002-001.00

Project Location - Provide directions and distances to roads, bridges and bodies of waters:

Croton-on-Hudson-Senasqua Park - Route 9 S, take the exist toward NY-9A N/NY-129 N. Turn right onto Half Moon Bay Dr. At Stop sign make a right onto Elliott Way

Street Address, if applicable: Elliott Way

Post Office City: Croton-on-Hudson State: NY Zip Code: 10520

Town / Village / City: Village of Croton-on-Hudson

County: Westchester

Name of USGS Quadrangle Map: Haverstraw NY (Code O41073B8)

Stream/Water Body Name: Hudson River

Location Coordinates: Enter NYTMs in kilometers, **OR** Latitude/Longitude

NYTM-E	NYTM-N	Latitude	Longitude
		41°12'15.0"N	73°53'29.8"W

For Agency Use Only DEC Application Number: USACE Number:

JOINT APPLICATION FORM - PAGE 2 OF 2

Submit this completed page as part of your Application.

9. **Project Description and Purpose:** Provide a complete narrative description of the proposed work and its purpose. Attach additional page(s) if necessary. Include: description of current site conditions and how the site will be modified by the proposed project; structures and fill materials to be installed; type and quantity of materials to be used (i.e., square ft of coverage and cubic yds of fill material and/or structures below ordinary/mean high water) area of excavation or dredging, volumes of material to be removed and location of dredged material disposal or use; work methods and type of equipment to be used; pollution control methods and mitigation activities proposed to compensate for resource impacts; and where applicable, the phasing of activities. **ATTACH PLANS ON SEPARATE PAGES.**

See Attachment

Proposed Use: ☐ Private ☑ Public ☐ Commercial	Proposed Start Date: September 2015	Estimated Completion Date: January 2016

Has Work Begun on Project? ☐ Yes ☑ No If Yes, explain.

Will Project Occupy Federal, State or Municipal Land? ☑ Yes ☐ No If Yes, please specify.

MTA Metro-North Railroad

10. List Previous Permit / Application Numbers (if any) and Dates:

None

11. Will this project require additional Federal, State, or Local Permits including zoning changes? ☑ Yes ☐ No If yes, please list:

NYS DEC Article 15
ACOE Nationwide 3, 13
NYS DOS - Coastal Consistency

12. **Signatures.** If applicant is not the owner, both must sign the application.

I hereby affirm that information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law. Further, the applicant accepts full responsibility for all damage, direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and agrees to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from said project. In addition, Federal Law, 18 U.S.C., Section 1001 provides for a fine of not more than $10,000 or imprisonment for not more than 5 years, or both where an applicant knowingly and willingly falsifies, conceals, or covers up a material fact; or knowingly makes or uses a false, fictitious or fraudulent statement.

Signature of Applicant	Printed Name	Title	Date
	ANTHONY R. CARR, PE, CFM	COMMISSIONER OF PUBLIC WORKS	05/21/2015
Signature of Owner	Printed Name	Title	Date
Karen L. Timko	Karen L. Timko	Dir. Env. Compliance	05/19/2015
Signature of Agent	Printed Name	Title	Date
Janine M Ky	Janine King	Acting Manager	5/21/2015

For Agency Use Only **DETERMINATION OF NO PERMIT REQUIRED**

Agency Project Number _____

_____ (Agency Name) has determined that No Permit is required from this Agency for the project described in this application.

Agency Representative: Name (printed) _____ Title _____

Signature _____ Date _____

Elliott Way Improvement Project
Project Description

9. Project Description and Purpose

The objective of this project is to create a safe pedestrian access link on Elliott Way between Senasqua Park and Croton Landing Park. The link will be created by constructing a combination of an Elevated Boardwalk and an At-Grade Concrete Sidewalk. The overall project length is approximately 805 linear feet. Pedestrian walkways currently exist to the north and south of the project limits. The connection will eliminate what is currently a very unsafe condition where pedestrians walk, run, and bike along a narrow stretch of a single lane road. This stretch of narrow single lane road is at times heavily used by pedestrians, passenger vehicles, and commercial traffic. There is limited visibility and no walkways for the heavy pedestrian and bike traffic between Senasqua Park and Croton Landing Park. Elliott Way serves two way traffic and runs in a north – south direction. It is bound on the west side by the Hudson River and to the east by the Metro North Railroad tracks. The lands on which Elliott Way is located is owned by the MTA which has granted the Village of Croton-on-Hudson an easement of access. Separating Elliott Way from the tracks is a line of chain link fence and various railroad utility structures. It is not possible to relocate the fence and shift the roadway to the east. In discussions with the MTA, the MTA has stated they will not expand the easement to the Village because of the proximity of the tracks and surface/subsurface structures. To the west and parallel to the roadway is the Hudson River. The mean high water (MHW) level was determined to be 1.76'. The existing elevation of Elliott Way varies from elevation 4.9 to elevation 6.3. Based on the MHW, Elliott Way is approximately 3.11' to 4.54' above MHW. The width of the proposed walkway has been minimized while providing safe two way pedestrian and bicycle passage. Minimal portions of the proposed structures will extend below the MHW elevation. The project limits are therefore fixed due to the constraints within the boundaries which Elliott Way currently occupies.

It is proposed to improve Elliott Way by reconstructing the two (2) ten (10') foot travel lanes and the construction of a new pedestrian/bicycle walkway. The walkway or path will include two 8'-6"wide at-grade cast-in-place concrete sidewalks (Station 0+00 to Station 1+45 and Station 5+06 to Station 8+05). The center section will consist of an 8'-6" wide elevated precast concrete boardwalk, 360' long (Station 1+45 to Station 5+06). The elevated boardwalk will be constructed along Elliott Way on the banks of the Hudson River. Also included in this work will be the replacement of an existing corrugated metal arch pipe, replacement of an existing sediment basin and shoreline rehabilitation and protection.

The elevated section of the walkway will utilize a PermaTrak Boardwalk system. PermaTrak is a proprietary system consisting of structural precast concrete elements that will be supported on 7-5/8" diameter Micropiles. The smaller diameter piles were chosen as they will cause minimal disturbance to the shoreline. The PermaTrak structural members include precast concrete caps, beams and tread (deck) beams. The

decking for the Boardwalk will cantilever 3' feet over the pile supports on the river side. This will minimize the intrusion of the structure into the MHW zone. A majority of the piles will be located outside of this zone. Therefore, construction of the elevated boardwalk will not cause any disturbance to the River. The Micropiles which will support the Boardwalk and the individual precast concrete elements will be placed using a backhoe or small excavator which will be stationed in Elliott Way. A double row of Micropiles, approximately 5 feet apart, will be spaced at 20'-0" on center along the roadway in the riverbank. Precast concrete caps will be supported on the Micropiles. The drilling equipment and installation method allows the Micropiles to be drilled through obstructions with minimal vibration, disturbance and noise. As stated all work will be conducted from the existing Elliott Way.

The At-Grade Concrete Sidewalk sections (Station 0+00 to Station 1+45 and from Station 5+06 to Station 8+05) will be 8'-6" wide and be constructed of cast-in-place concrete. The south at-grade section from Station 5+06 to Station 8+05 will be constructed along a narrow tree and brush lined beach area. This section will require the removal of some of the natural vegetation, including some large trees. To offset the tree removal it is intended to plant native species which would act similarly in stabilizing the shoreline. In order to protect the at-grade section, it will be necessary to construct a 1'- 0" to 2'-0" high precast modular block protection wall to prevent erosion of the sidewalk. The blocks will be buried 6" – 12" and be set on a crushed stone foundation. Approximately 50 feet of the block wall will be within the MHW zone. Above the wall will be an 8'-6" concrete sidewalk and railing. As stated, the area surrounding the wall and the existing vegetation will be filled in with native plants which will provide suitable stabilization also providing an aesthetically pleasing view from the walkway.

In addition to the walkway, Elliott Way will be reconstructed by removing and replacing the existing pavement which is currently rutted and sinking in various locations. The existing pavement will be removed and a new base course reinforced with a geotextiles will be placed. The roadway will be topped with new asphalt pavement. The reconstructed Elliott Way profile will be slightly raised by 6" to 8". The new pavement width currently just meets the NYS Fire Code requirement of a minimum 20 foot wide access for emergency vehicles. The western edge of the roadway will be bordered by a new 6" concrete curb. The curbing in combination with a new drainage collection system, will control runoff. Road salt and sediment carried in the runoff will be transported to the reconstructed sediment basin. Currently no curbing exists along this stretch of roadway and storm water runoff discharges directly into the river. Also proposed will be the looping of a public watermain and installing a new guide rail. Other than the installation of the new drainage discharge, the work described above is not under the jurisdiction of this permit.

Included in the project will be the replacement of an existing corrugated metal arch pipe which runs across Elliottt Way and discharges into an existing sediment basin on the river's edge. The culvert is aged and deteriorating and must be replaced. The source of the culvert originates east of NYS Route 9 in the Village center. The culvert runs under Route 9 and ends at a headwall on the west side of the Metro North RR tracks. Approximately 8'to 10' away, the culvert resumes and goes under Elliott Way discharging in the sediment basin on the west side. Being that the sediment basin is just off the edge of the roadway it is easily accessible for cleaning by the Village. The sediment basin is currently formed by a deteriorated timber sheeting barrier. It is proposed to replace the timber sheeting barrier with a new line of steel sheeting. Lastly

the project will involve the rehabilitation of the shoreline along the project. All existing deleterious surface material and debris such as broken concrete, timbers and drift wood will be removed and replaced with new rip rap protection. It is estimated that 250 cubic yards of deleterious surface material and debris will be removed as part of the shoreline rehabilitation. Once cleaned, new rip rap protection will be installed in combination with native vegetation to provide a stable condition which will be holistic and aesthetically pleasing. Protection of the Hudson River was considered throughout the design. The ability to perform all work from Elliott Way will assure minimal disturbance and avoid adverse effects below the low tide line. A turbidity curtain will be installed and maintained throughout the project.

The main purpose of this project is to address the established need to provide for the safety of pedestrians. There is currently a pedestrian walkway which begins at the start of Elliott Way to the south running along Senasqua Park in a northerly direction terminating at the parking lot. From this point north pedestrians and bicyclists continue along the edge of the parking lot with no well-defined path. Pedestrians and bicyclists are forced to walk in the roadway as they continue north between Senasqua Park and Croton Landing Park. Croton Landing Park extends further to the north and is a destination for many who visit the September 11th Memorial erected by the Village. Access to Croton Landing Park begins at the north end of the Senasqua parking lot. Elliott Way begins to narrow from this point north. This approximately 600 foot long stretch of Elliott Way is narrow with no shoulders on either side. Both sides of the road is either bordered by a chain link fence or guide rail right up to the pavement line. In minimal daylight or night hours there is little to no illumination of the roadway. The road is heavily traveled by pedestrians and bicyclists. The road is also used by passenger vehicles, boat trailers and commercial vehicles up to tractor trailer sizes. At the north end of this narrow stretch of road is an elevated pedestrian bridge which crosses over Route 9 and the Metro North tracks. The pedestrian bridge connects the Village to the marina, the park, and a shipping company. At varying times there is a heavy volume of people and vehicles, creating congestion and dangerous situations for all. All of these variables, makes this connection vital to the safety of all users of the park area. A significant benefit beyond the safety aspect is the ease of access and the recreational benefits that the pedestrian walkway would provide. Connectivity through the construction of the new walkway would further serve to eliminate the gap between the two parks and the Village on the opposite side of Route 9. This project will create a safe way for people to walk, run, and bike along the scenic Hudson River. The parks are destinations for the enjoyment of nature, picnicking, walking, running, fishing and a multitude of other outdoor activities. During the summer months there are concerts at Senasqua Park which adds to the congestion and unsafe conditions of Elliott Way. The Village of Croton-On-Hudson believes that this sustainable approach will encourage the public to take advantage of this fully connected access to the waterfront. This will allow for the safe use and the full enjoyment and recreational benefits the new walkway will provide. In broader terms, this green approach will also have a positive effect on the environment.

The Agencies from which permits are expected at this time for the project are:

1. New York State Department of Environmental Conservation – Article 15
2. Army Corps of Engineers - Nationwide
3. New York State Department of State – Coastal Consistency Concurrence
4. Village of Croton-On-Hudson – Local Permits

STATE OF NEW YORK 2 0 1 5 F I N A L V I L L A G E A S S E S S M E N T R O
L L PAGE 594
COUNTY - Westchester WHOLLY EXEMPT SECTION OF THE ROLL - 8 VALUATIO
N DATE-APR 01, 2015
TOWN - Croton-on-Hudson TAX MAP NUMBER SEQUENCE TAXABLE STATUS
DATE-JUN 01, 2015
VILLAGE - Croton-on-Hudson UNIFORM PERCENT OF VALUE IS 004.33
SWIS - 552203

TAX MAP PARCEL NUMBER PROPERTY LOCATION & CLASS ASSESSMENT EXEMPTION
CODE----------VILLAGE------ ----------
CURRENT OWNERS NAME SCHOOL DISTRICT LAND TAX DESCRIPTION
TAXABLE VALUE
CURRENT OWNERS ADDRESS PARCEL SIZE/GRID COORD TOTAL SPECIAL DISTRICTS
ACCOUNT NO.

****

********** 073.08-007-002.00 **********
110-114 GRAND STREET 2001439000
078.08-007-002.00 620 Religious WHOLLY EX 50000 431,500
Holy Name Of Mary Church Croton-Harmon 552202 19,400 VILLAGE TAXABLE
VALUE 0
110 Grand St 40 209 48 431,500
Crtn-On-Hdsn, NY 10520 ACRES 1.54
FULL MARKET VALUE 9965,358

****

********** 073.08-007-009.00 **********
BEEKMAN AVENUE 2001446000
078.08-007-009.00 653 Govt pk lot WHOLLY EX 50000 5,650
VILLAGE OF CROTON ON HUDSON Croton-Harmon 552202 3,950 VILLAGE TAXABLE
VALUE 0
1 VAN WYCK STREET 40 209 71B 5,650
CROTON ON HUDSON, NY 10520 FRNT 120.00 DPTH 150.00
FULL MARKET VALUE 130,485

****

********** 073.08-007-013.00 **********
8 OLD POST ROAD SOUTH 2001450000
078.08-007-013.00 311 Res vac land WHOLLY EX 50000 3,500
VILLAGE OF CROTON ON HUDSON Croton-Harmon 552202 3,500 VILLAGE TAXABLE
VALUE 0
1 VAN WYCK STREET 40 209 71A 3,500
CROTON ON HUDSON, NY 10520 FRNT 284.00 DPTH 120.00
FULL MARKET VALUE 80,831

****

********** 073.08-007-044.00 **********
GRAND STREET 2001480000
078.08-007-044.00 311 Res vac land WHOLLY EX 50000 1,150
VILLAGE OF CROTON ON HUDSON Croton-Harmon 552202 1,150 VILLAGE TAXABLE
VALUE 0
1 VAN WYCK STREET 40 209 71D 1,150
CROTON ON HUDSON, NY 10520 FRNT 110.00 DPTH 110.00
FULL MARKET VALUE 26,559

****

********** 078.12-001-001.00 **********
2 ELLIOTT WAY 2001542000
078.12-001-001.00 560 Imprvd beach WHOLLY EX 50000 66,950
VILLAGE OF CROTON ON HUDSON Croton-Harmon 552202 64,600 VILLAGE TAXABLE
VALUE 0
1 VAN WYCK STREET 1.00-25000-007 66,950
CROTON ON HUDSON, NY 10520 ACRES 23.20
FULL MARKET VALUE 1546,189

****

********** 078.12-001-002.00 **********
80 HALF MOON BAY DRIVE RTE 9 2001543000
078.12-001-002.00 311 Res vac land WHOLLY EX 50000 50
VILLAGE OF CROTON ON HUDSON Croton-Harmon 552202 50 VILLAGE TAXABLE VALUE
0
1 VAN WYCK STREET 1.00a 250 8 50
CROTON ON HUDSON, NY 10520 ACRES 1.87
DEED BOOK 11718 PG-167
FULL MARKET VALUE 1,155

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STATE OF NEW YORK 2 0 1 5 F I N A L V I L L A G E A S S E S S M E N T R O
L L PAGE 595
COUNTY - Westchester WHOLLY EXEMPT SECTION OF THE ROLL - 8 VALUATIO
N DATE-APR 01, 2015
TOWN - Croton-on-Hudson TAX MAP NUMBER SEQUENCE TAXABLE STATUS
DATE-JUN 01, 2015
VILLAGE - Croton-on-Hudson UNIFORM PERCENT OF VALUE IS 004.33
SWIS - 552203

TAX MAP PARCEL NUMBER PROPERTY LOCATION & CLASS ASSESSMENT EXEMPTION
CODE----------VILLAGE------ ----------
CURRENT OWNERS NAME SCHOOL DISTRICT LAND TAX DESCRIPTION
TAXABLE VALUE
CURRENT OWNERS ADDRESS PARCEL SIZE/GRID COORD TOTAL SPECIAL DISTRICTS
ACCOUNT NO.

********** 078.12-002-001.00 **********
1 ELLIOTT WAY 2001545000
078.12-002-001.00 843 Non-ceil. rr WHOLLY EX 50000 255,150
NY CENTRAL R R CO T Croton-Harmon 552202 255,150 VILLAGE TAXABLE VALUE
0
PENN CENTRAL CORP 1.00-25000-1 255,150
44th Floor 3rd Rail & Jumpers 30000
245 PARK Ave ACRES 0.20
NEW YORK, NY 10167 FULL MARKET VALUE 5892,610

****

********** 078.12-003-003.00 **********
MAPLE STREET 2001548000
078.12-003-003.00 311 Res vac land WHOLLY EX 50000 11,900
VILLAGE OF CROTON ON HUDSON Croton-Harmon 552202 11,900 VILLAGE TAXABLE
VALUE 0
1 VAN WYCK STREET 21 209 72 11,900
CROTON ON HUDSON, NY 10520 FRNT 237.00 DPTH 280.00
DEED BOOK 48063 PG-456
FULL MARKET VALUE 274,827

****

********** 078.12-003-008.00 **********
3 MUNICIPAL PLACE 2001553000
078.12-003-008.00 853 Sewage WHOLLY EX 50000 193,000
VILLAGE OF CROTON ON HUDSON Croton-Harmon 552202 13,000 VILLAGE TAXABLE
VALUE 0
1 VAN WYCK STREET 22 209 7 193,000
CROTON ON HUDSON, NY 10520 ACRES 1.27
FULL MARKET VALUE 4457,275

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********** 078.12-003-010.00 **********
SOUTH RIVERSIDE AVENUE 2001554000
078.12-003-010.00 330 Vacant comm WHOLLY EX 50000 2,500
COUNTY OF WESTCHESTER Croton-Harmon 552202 2,500 VILLAGE TAXABLE
VALUE 0
OFFICE OF THE COUNTY EXECUTIVE 22 209 7A 2,500
DIVISION OF REAL ESTATE FRNT 50.00 DPTH 70.00
700 MICHAELIAN OFFICE BLDG FULL MARKET VALUE 57,737
WHITE PLAINS, NY 10601

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********** 078.16-002-003.00 **********
CROTON POINT AVENUE 2001909000
078.16-002-003.00 323 Vacant rural WHOLLY EX 50000 3,750
NYS DEPARTMENT OF P W Croton-Harmon 552202 3,750 VILLAGE TAXABLE
VALUE 0
POUGHKEEPSIE NY 1.00-25000-3A 3,750
POUGHKEEPSIE, NY 12600 ACRES 0.29
FULL MARKET VALUE 86,605

****

********** 078.20-002-001.00 **********
CROTON POINT AVENUE 2002066000
078.20-002-001.00 962 County park WHOLLY EX 50000 33,500
VILLAGE OF CROTON ON HUDSON Croton-Harmon 552202 33,500 VILLAGE TAXABLE
VALUE 0
1 VAN WYCK STREET 1.00-25000-2B 33,500
CROTON ON HUDSON, NY 10520 ACRES 59.00
DEED BOOK 46271 PG-967
FULL MARKET VALUE 773,672

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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: Village of Croton-on-Hudson - c/o Anthony Robert Carr, P.E. CFM
2. Address: Stanley H. Kellerhouse Municipal Building, 1 Van Wyck Street, Croton-on-Hudson, NY 10520
3. Telephone: Area Code ( ) (914) 271-3775

B. **PROPOSED ACTIVITY**

1. Brief description of activity:

   The improvement of an existing single lane roadway (Elliot Way). The work includes the reconstruction of Elliot Way, the construction of an 8'-6" wide sidewalk elevated precast concrete boardwalk and sidewalk. Also included will be the replacement of an existing corrugated metal arch pipe, restoration of an existing sediment basin, and shoreline rehabilitation and protection. The overall project length is approximately 805 linear feet.

2. Purpose of activity:

   The intent of this project is to make safety improvements and create recreational benefits by reconstructing Elliot Way and the construction of an elevated boardwalk and sidewalk. The project will connect the existing walkway and bicycle path allowing for safer public access between Senasqua Park and Croton Landing Park.

3. Location of activity:

Westchester	Village of Croton-on-Hudson	Elliot Way
County	City, Town, or Village	Street or Site Description

4. Type of federal permit/license required: ACOE Nationwide Permit

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:

NYS DEC Article 15 Permit and Water Quality Certification

C. **COASTAL ASSESSMENT** Check either "YES" or "NO" for each of these questions. The numbers following each question refer to the policies described in the CMP document (see footnote on page 2) which may be affected by the proposed activity.

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

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

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

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

D. **ADDITIONAL STEPS**

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

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

E. **CERTIFICATION**

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

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

Applicant/Agent's Name: Village of Croton-on-Hudson - Anthony Robert Carr, P.E.

Address: Stanley H. Kellerhouse Municipal Building, 1 Van Wyck Street, Croton-on-Hudson, NY 10520

Telephone: Area Code ( ) (914) 271-3775

Applicant/Agent's Signature: _____ Date: 05/21/2015

Jamie Hyer, Acting Village Manager

_____, COMMISSIONER OF PUBLIC WORKS, 05/21/2015

F. **SUBMISSION REQUIREMENTS**

1. The applicant or agent shall submit the following documents to the New York State Department of State, Office of Coastal, Local Government and Community Sustainability, 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. *Revised 10/04/1010*

Village of Croton-on-Hudson

COASTAL ASSESSMENT FORM

A. INSTRUCTIONS (Please print or type all answers)

1. *Applicants, or in the case of direct actions (city, town, village) agencies, shall complete this CAF for proposed actions which are subject to the consistency review law. This assessment is intended to supplement other information used by a (city, town, village) agency in making a determination of consistency.*

2. *Before answering the questions in Section C, the preparer of this form should review the policies and explanations of policy contained in the Local Waterfront Revitalization Program (LWRP), a copy of which is on file in the (city, town, village) clerk's office. A proposed action should be evaluated as to its significant beneficial and adverse effects upon the coastal area.*

3. *If any question in Section C on this form is answered "yes", then the proposed action may affect the achievement of the LWRP policy standards and conditions contained in the consistency review law. Thus, the action should be analyzed in more detail and, if necessary, modified prior to making a determination that it is consistent to the maximum extent practicable with the LWRP policy standards and conditions. If an action cannot be certified as consistent with the LWRP policy standards and conditions, it shall not be undertaken.*

B. DESCRIPTION OF SITE AND PROPOSED ACTION:

1. Type of (city, town, village) agency action (check appropriate response):
   a) Directly undertaken (e.g. capital construction, planning activity, agency regulation, land transaction) _____
   b) Financial assistance (e.g. grant, loan, subsidy) _____
   c) Permit, approval, license, certification _____
   d) Agency undertaking action _____

2. Describe nature and extent of action: _____

   See attached project description.

3. Location of actions: Elliott Way
   (street or site description)
4. Size of site: One acre +/-

5. Present land use: Public Roadway
6. Present zoning classification: WC Waterfront Commercial

7. List and describe any unique or unusual land forms within or contiguous to the project site (i.e. bluffs, dunes, swales, ground depressions, other geological formations:
None

8. Percent of site which contains slopes of 15% or greater: <1%

9. List and describe streams, lakes, ponds or wetlands existing within or contiguous to the project area. Give name and size of each if available:

a) Name: Hudson River

b) Size (in acres):

10. If an application for the proposed action has been filed with the (city, town, village) agency, the following information shall be provided:

a) Name of applicant: Village of Croton-On-Hudson

b) Mailing address: One Van Wyck Street, Croton-On-Hudson, NY 10520

c) Telephone number: (area code) (914) 271-3715

d) Application number, if any:

11. Will the action be directly undertaken, require funding or approval by a state or federal agency? NO ____ YES X

If yes, which state or federal agency? NYSDEC, NYSDOS, ACOE

C. COASTAL ASSESSMENT:

(Check either "yes" or "no" for each of the following questions)

	YES	NO
1. Will the proposed action be located in, or contiguous to, or have a potentially adverse effect upon any of the resource areas identified on the coastal area map:	____	X
a) Significant fish or wildlife habitats?	____	X
b) Scenic resources of local or statewide significance?	____	X
c) Important agricultural lands?	____	X
d) Natural protective features in an erosion hazard area?	____	X

If the answer to any question above is "yes", please explain in Section D any measures which will be undertaken to mitigate any adverse effects.

	YES	NO
2. Will the proposed action have a significant effect upon:		
a) Commercial or recreational use of fish and wildlife resources?		X
b) Scenic quality of the coastal environment?		X
c) Development of future or existing water dependent uses?		X
d) Operation of the State's major ports?		X
e) Land or water uses within a small harbor area?		X
f) Stability of the shoreline?		X
g) Surface or groundwater quality?		X
h) Existing or potential public recreation opportunities?		X
i) Structures, sites or districts of historic, archeological or cultural significance to the (city, town, village), State or nation?		X
3. Will the proposed action involve or result in any of the following:		
a) Physical alteration of land along the shoreline, land under water or coastal waters?	X	
b) Physical alteration of two (2) acres or more of land located elsewhere in the coastal area?		X
c) Expansion of existing public services or infrastructure in undeveloped or low density areas of the coastal area?	X	
d) Energy facility not subject to Article VII or VIII of the Public Service Law?		X
e) Mining, excavation, filling or dredging in coastal waters?		X
f) Reduction of existing or potential public access to or along the shore?		X
g) Sale or change in use of publicly-owned lands located on shoreline or under water?		X
h) Development within a designated flood or erosion hazard area?	X	
i) Development on a beach, dune, barrier island or other natural feature that provides protection against flooding or erosion?		X
j) Construction or reconstruction of erosion protective structures?	X	
k) Diminished surface or groundwater quality?		X
l) Removal of ground cover from the site?	X	

4. Project

a) If project is to be located adjacent to shore:

	YES	NO
1. Will water-related recreation be provided?	X	
2. Will public access to the foreshore be provided?	X	
3. Does the project require a waterfront site?	X	
4. Does it supplant a recreational or maritime use?		X
5. Do essential public services and facilities presently exist at or near the site?	X	
6. Is it located in a flood prone area?		X
7. Is it located in an area of high erosion?		X
b) If the project site is publicly owned:		
1. Will the project protect, maintain and/or increase the level and types of public access to water-related recreation resources and facilities?	X	
2. If located in the foreshore, will access to those and adjacent lands be provided?	X	
3. Will it involve the siting and construction of major energy facilities?		X
4. Will it involve the discharge of effluent from major steam electric generating and industrial facilities into coastal facilities?		X
c) Is the project site presently used by the community neighborhood an open space or recreation area?	X	
d) Does the present site offer or include scenic views or vistas known to be important to the community?	X	
e) Is the project site presently used for commercial fishing or fish processing?		X
f) Will the surface area of any waterways or wetland area be increased or decreased by the proposals?		X
g) Does any mature forest (over 100 years old) or other locally important vegetation exist on this site which will be removed by the project?		X
h) Will the project involve any waste discharges into coastal waters?		X
i) Does the project involve surface or subsurface liquid waste disposal?		X
j) Does the project involve transport, storage, treatment or disposal of solid waste or hazardous materials?		X

	YES	NO
k) Does the project involve shipment or storage of petroleum products?	____	X
l) Does the project involve discharge of toxic hazardous substances or other pollutants into coastal waters?	____	X
m) Does the project involve or change existing ice management practices?	____	X
n) Will the project affect any area designated as a tidal or freshwater wetland?	____	X
o) Will the project alter drainage flow, patterns or surface water runoff on or from the site?	____	X
p) Will best management practices be utilized to control storm water runoff into coastal waters?	X	____
q) Will the project utilize or affect the quality or quantity of sole source or surface water supplies?	____	X
r) Will the project cause emissions which exceed federal or state air quality standards or generate significant amounts of nitrates or sulfates?	____	X

D. REMARKS OR ADDITIONAL INFORMATION.

For questions answered "yes" in Section C, explain methods you will undertake to reduce adverse effects. Review the LWRP to see if the project is consistent with each policy. List policies the project is not consistent with and explain all mitigating actions.

(Add any additional sheets necessary to complete this form)

E. SUBMISSION REQUIREMENTS.

The final version of this form shall be sent to the Department of State *(New York State Dept. of State, Coastal Management Program, 162 Washington Avenue, Albany, NY 12231)* if any question in Section C is answered "yes" and either of the following conditions is met.

- Section B.1 (a) or B.1 (b) is checked **OR**
- Section B.1 (c) and B.11 is answered "yes"

If assistance or further information is needed to complete this form, please contact the Village Engineer at (914) 271-4783.

Preparer's Name: Joseph C. Riina, P.E.

Title: Project Engineer

Agency: Village of Croton on Hudson

Telephone No.: (914) 962-4488 E-mail: jriina@sitedesignconsultants.com

Date: May 7, 2015

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

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

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

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

A. Project and Sponsor Information.

Name of Action or Project: Elliott Way Improvement Project		
Project Location (describe, and attach a general location map): Elliott Way between Senasqua Park and Croton Landing Park		
Brief Description of Proposed Action (include purpose or need): See Attached narrative.		
Name of Applicant/Sponsor: Village of Croton-On-Hudson, Anthony R. Carr, P.E., CFM, Commissioner of Public works	Telephone: 914-271-3775 E-Mail: acarr@crotononhudson-ny.gov	
Address: Stanley H. Kellerhouse Municipal Building 1 Van Wyck Street		
City/PO: Croton-on-Hudson	State: NY	Zip Code: 10520
Project Contact (if not same as sponsor; give name and title/role): Joseph C. Riina, P.E. - Project Engineer	Telephone: 914-962-4488 E-Mail: jrlina@sitedesignconsultants.com	
Address: 251 F Underhill Avenue		
City/PO: Yorktown Heights	State: NY	Zip Code: 10598
Property Owner (if not same as sponsor): Same	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)		
Government Entity	**If Yes: Identify Agency and Approval(s) Required**	**Application Date (Actual or projected)**
a. City Council, Town Board, ☑Yes☐No or Village Board of Trustees	Village Board - LWRP Consistency - overall local project approvals	May 10, 2015
b. City, Town or Village ☐Yes☐No Planning Board or Commission		
c. City Council, Town or ☐Yes☐No Village Zoning Board of Appeals		
d. Other local agencies ☐Yes☐No		
e. County agencies ☐Yes☐No		
f. Regional agencies ☐Yes☐No		
g. State agencies ☑Yes☐No	NYSDEC - Article 15 NYS DOS - Coastal Consistency	May 2015
h. Federal agencies ☑Yes☐No	ACOE - Nationwide	May 2015

i. Coastal Resources.
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☑Yes☐No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☑Yes☐No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

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

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

C.2. Adopted land use plans.

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

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

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

If Yes, identify the plan(s):
Remediaton Sites:546031

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

If Yes, identify the plan(s):
Comprehensive Plan - Village of Croton-On-Hudson January 2003

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
WC - Waterfront Commercial

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

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? N/A

b. What police or other public protection forces serve the project site?
Village of Croton-On-Hudson Police

c. Which fire protection and emergency medical services serve the project site?
Village of Croton-On-Hudson Fire & Rescue

d. What parks serve the project site?
Senasqua Park and Croton Landing Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Pedestrain safety and Recreational access link

b. a. Total acreage of the site of the proposed action? 1 +/- acres
b. Total acreage to be physically disturbed? 0.5 +/- acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? >10 acres

c. Is the proposed action an expansion of an existing project or use? ☑ Yes ☐ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: 4,500 sf +/-

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
ii. Is a cluster/conservation layout proposed? ☐ Yes ☑ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will proposed action be constructed in multiple phases? ☑ Yes ☐ No
i. If No, anticipated period of construction: 6 months
ii. If Yes:
- Total number of phases anticipated 1
- Anticipated commencement date of phase 1 (including demolition) 10 month 2015 year
- Anticipated completion date of final phase _____ month _____ year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐Yes ☑No

If Yes, show numbers of units proposed.

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

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

If Yes,

i. Total number of structures _____

ii. Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length

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

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

If Yes,

i. Purpose of the impoundment: _____

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

_____

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

_____

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

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

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

_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☑Yes ☐No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i. What is the purpose of the excavation or dredging? Removal of concrete and timber debris from shoreline and roadway replacement

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

- Volume (specify tons or cubic yards): 250 cy
- Over what duration of time? 3 weeks

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

Removal of concrete and timber debris from shoreline. Reconstruction of roadway by removing and replacing asphalt pavement section.

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

If yes, describe. _____

v. What is the total area to be dredged or excavated? < 0.1 acres

vi. What is the maximum area to be worked at any one time? < 0.1 acres

vii. What would be the maximum depth of excavation or dredging? 5 feet

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

ix. Summarize site reclamation goals and plan:

The shoreline shall be reclaimed by installing rip-rap stone protection. The roadway will be restored with a new pavement section.

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

If Yes:

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

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

The project will include the removal of concrete and timber debris from shoreline. The shoreline shall be reclaimed by installing rip-rap stone protection. This will require the removal and replacement of approx. 250 cy of material. A section of 24" retain will be constructed that will require 15 cy +/- fill. Also, and existing sediment basin will be rehabilitated and will require removal of 200 cy of trapped sediment.

iii. Will proposed action cause or result in disturbance to bottom sediments? ☑ Yes ☐ No

If Yes, describe: _____

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☑ No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? ☐ Yes ☑ No

If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐ Yes ☑ No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No
- Do existing lines serve the project site? ☐ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☐ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☐ No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

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

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

d. Will the proposed action generate liquid wastes? ☐ Yes ☑ No

If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

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

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐ Yes ☑ No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No

- Do existing sewer lines serve the project site? ☑Yes ☐No
- Will line extension within an existing district be necessary to serve the project? ☐Yes ☑No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☑No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

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

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

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑Yes ☐No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

4500 Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. Surface runoff from new sidewalks

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

New drainage system which will discharge to sediment basin.

- If to surface waters, identify receiving water bodies or wetlands: Hudson River
- Will stormwater runoff flow to adjacent properties? ☐Yes ☑No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes ☑No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐Yes ☑No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☑No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend
☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☑Yes ☐No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____
350 kw

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):
Con Edison

iii. Will the proposed action require a new, or an upgrade to, an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply.

i. During Construction:
- Monday - Friday: 7 am to 5pm
- Saturday: 8 am to 4 pm
- Sunday: _____
- Holidays: _____

ii. During Operations:
- Monday - Friday: all
- Saturday: all
- Sunday: all
- Holidays: all

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☑ No

If yes:

i. Provide details including sources, time of day and duration:

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

Describe:

n.. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Street lights along new walkway. fixture heights 10 - 15 feet, dark sky compliant downward lighting, nearest residential structure > 1000 feet

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

Describe:

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally describe proposed storage facilities:

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

If Yes:

i. Describe proposed treatment(s):

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

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☑ Yes ☐ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: 10 tons per 3 weeks (unit of time)
- Operation : N/A tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: N/A
- Operation: N/A

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: C & D to be hauled by a licensed hauler to a licensed recycling facility
- Operation: N/A

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

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

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☑ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☑ Other (specify): Recreational

ii. If mix of uses, generally describe:

The area includes a mix of Parks, marina, Metro North Tracks and Buildings

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.41	0.55	0.14
• Forested	0.05	0.05	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.08	0.08	0
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____			

c. Is the project site presently used by members of the community for public recreation? ☑ Yes ☐ No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☑ No

If Yes,

i. Identify Facilities:

_____

_____

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☑ Yes ☐ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☑ Yes ☐ No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____

☑ Yes – Environmental Site Remediation database — Provide DEC ID number(s): 546031

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

_____

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☑ Yes ☐ No

If yes, provide DEC ID number(s): 546031, 360010

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____

_____

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☑ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? >6 feet

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

c. Predominant soil type(s) present on project site: Udorthents 100 %
_____ %
_____ %

d. What is the average depth to the water table on the project site? Average: 0 - 5 feet

e. Drainage status of project site soils:
☐ Well Drained: _____ % of site
☐ Moderately Well Drained: _____ % of site
☑ Poorly Drained 100 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 96.94 % of site
☐ 10-15%: _____ % of site
☑ 15% or greater: .06 % of site

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

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 864-2, 864-486 Classification SB, SC / C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, Federal Waters, Federal Waters,... Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☑ Yes ☐ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____
Name - Pollutants - Uses:Hudson River (Class SB), portion – Priority Organics – Fish Consumption

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

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

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

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☑ Yes ☐ No
If Yes:

i. Name of aquifer: Primary Aquifer, Principal Aquifer

m. Identify the predominant wildlife species that occupy or use the project site:
Typ. Urban - Suburban wildlife

n. Does the project site contain a designated significant natural community? ☐Yes ☑No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation):
ii. Source(s) of description or evaluation:
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

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

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

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☑Yes ☐No
If yes, give a brief description of how the proposed action may affect that use:
The project will enhance fishing opportunities by providing connections of park areas

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐Yes ☑No
If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present? ☐Yes ☑No
i. If Yes: acreage(s) on project site?
ii. Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐Yes ☑No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☑Yes ☐No
If Yes:
i. CEA name: Croton Point Park, Hudson River
ii. Basis for designation: Exceptional or unique character
iii. Designating agency and date: Date:1-31-90, Agency:Westchester County

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? ☐ Yes ☑ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

i. Identify resource: Senasqa Park & Croton Landing Park

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Park

iii. Distance between project and resource: 0 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

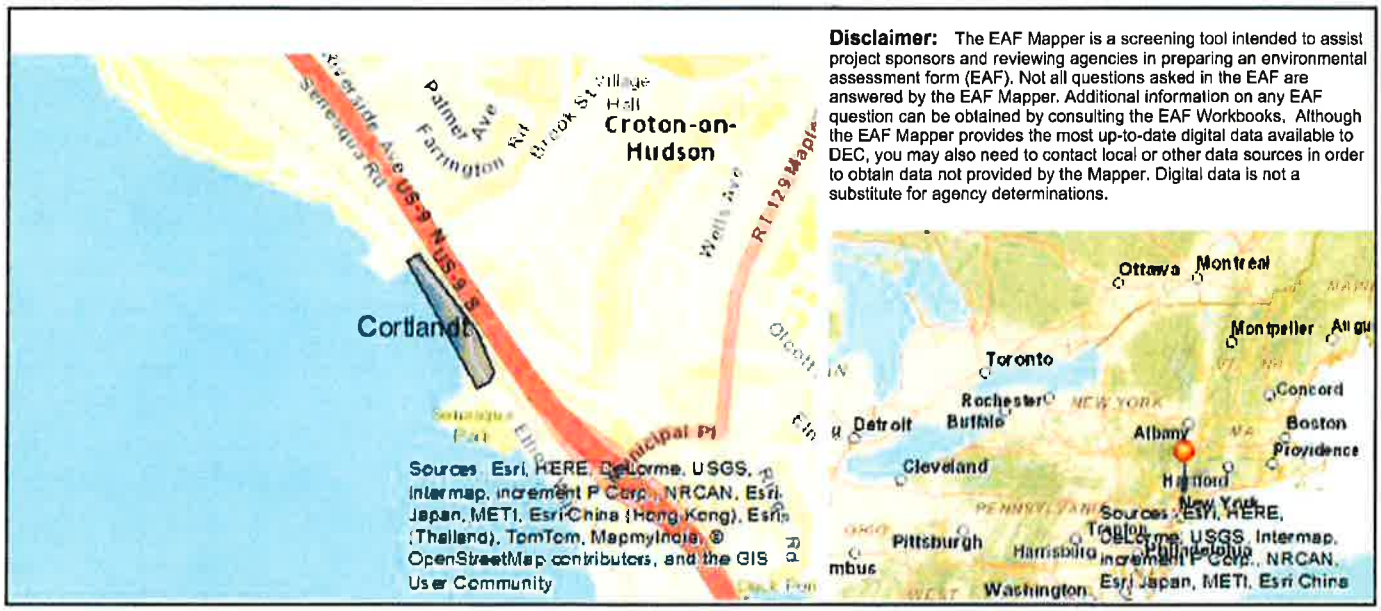
Applicant/Sponsor Name VILLAGE OF CROTON-ON-HUDSON ANTHONY R. CARR, PE, CFM Date 05/21/2015

Signature _____ Title COMMISSIONER OF PUBLIC WORKS

PRINT FORM

EAF Mapper Summary Report

Thursday, May 07, 2015 8:39 AM



B.i.i [Coastal or Waterfront Area]	Yes
B.i.ii [Local Waterfront Revitalization Area]	Yes
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	Remediaton Sites:546031
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Yes - Digital mapping data for Spills Incidents are not available for this location. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Yes
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Yes
E.1.h.i [DEC Spills or Remediation Site - DEC ID Number]	546031
E.1.h.iii [Within 2,000' of DEC Remediation Site]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	546031, 360010
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	864-2, 864-486
E.2.h.iv [Surface Water Features - Stream Classification]	SB, SC / C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters

E.2.h.v [Impaired Water Bodies]	Yes
E.2.h.v [Impaired Water Bodies - Name and Basis for Listing]	Name - Pollutants - Uses:Hudson River (Class SB), portion – Priority Organics – Fish Consumption
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	Yes
E.2.k. [500 Year Floodplain]	Yes
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Primary Aquifer, Principal Aquifer
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	Yes
E.3.d [Critical Environmental Area - Name]	Croton Point Park, Hudson River
E.3.d.ii [Critical Environmental Area - Reason]	Exceptional or unique character
E.3.d.iii [Critical Environmental Area – Date and Agency]	Date:1-31-90, Agency:Westchester County
E.3.e. [National Register of Historic Places]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

Elliott Way Improvement Project
Project Description

Project Description and Purpose

The objective of this project is to create a safe pedestrian access link on Elliott Way between Senasqua Park and Croton Landing Park. The link will be created by constructing a combination of an Elevated Boardwalk and an At-Grade Concrete Sidewalk. The overall project length is approximately 805 linear feet. Pedestrian walkways currently exist to the north and south of the project limits. The connection will eliminate what is currently a very unsafe condition where pedestrians walk, run, and bike along a narrow stretch of a single lane road. This stretch of narrow single lane road is at times heavily used by pedestrians, passenger vehicles, and commercial traffic. There is limited visibility and no walkways for the heavy pedestrian and bike traffic between Senasqua Park and Croton Landing Park. Elliott Way serves two way traffic and runs in a north – south direction. It is bound on the west side by the Hudson River and to the east by the Metro North Railroad tracks. The lands on which Elliott Way is located is owned by the MTA which has granted the Village of Croton-on-Hudson an easement of access. Separating Elliott Way from the tracks is a line of chain link fence and various railroad utility structures. It is not possible to relocate the fence and shift the roadway to the east. In discussions with the MTA, the MTA has stated they will not expand the easement to the Village because of the proximity of the tracks and surface/subsurface structures. To the west and parallel to the roadway is the Hudson River. The mean high water (MHW) level was determined to be 1.76'. The existing elevation of Elliott Way varies from elevation 4.9 to elevation 6.3. Based on the MHW, Elliott Way is approximately 3.11' to 4.54' above MHW. The width of the proposed walkway has been minimized while providing safe two way pedestrian and bicycle passage. Minimal portions of the proposed structures will extend below the MHW elevation. The project limits are therefore fixed due to the constraints within the boundaries which Elliott Way currently occupies.

It is proposed to improve Elliott Way by reconstructing the two (2) ten (10') foot travel lanes and the construction of a new pedestrian/bicycle walkway. The walkway or path will include two 8'-6"wide at-grade cast-in-place concrete sidewalks (Station 0+00 to Station 1+45 and Station 5+06 to Station 8+05). The center section will consist of an 8'-6" wide elevated precast concrete boardwalk, 360' long (Station 1+45 to Station 5+06). The elevated boardwalk will be constructed along Elliott Way on the banks of the Hudson River. Also included in this work will be the replacement of an existing corrugated metal arch pipe, replacement of an existing sediment basin and shoreline rehabilitation and protection.

The elevated section of the walkway will utilize a PermaTrak Boardwalk system. PermaTrak is a proprietary system consisting of structural precast concrete elements that will be supported on 7-5/8" diameter Micropiles. The smaller diameter piles were chosen as they will cause minimal disturbance to the shoreline. The PermaTrak structural members include precast concrete caps, beams and tread (deck) beams. The

decking for the Boardwalk will cantilever 3' feet over the pile supports on the river side. This will minimize the intrusion of the structure into the MHW zone. A majority of the piles will be located outside of this zone. Therefore, construction of the elevated boardwalk will not cause any disturbance to the River. The Micropiles which will support the Boardwalk and the individual precast concrete elements will be placed using a backhoe or small excavator which will be stationed in Elliott Way. A double row of Micropiles, approximately 5 feet apart, will be spaced at 20'-0" on center along the roadway in the riverbank. Precast concrete caps will be supported on the Micropiles. The drilling equipment and installation method allows the Micropiles to be drilled through obstructions with minimal vibration, disturbance and noise. As stated all work will be conducted from the existing Elliott Way.

The At-Grade Concrete Sidewalk sections (Station 0+00 to Station 1+45 and from Station 5+06 to Station 8+05) will be 8'-6" wide and be constructed of cast-in-place concrete. The south at-grade section from Station 5+06 to Station 8+05 will be constructed along a narrow tree and brush lined beach area. This section will require the removal of some of the natural vegetation, including some large trees. To offset the tree removal it is intended to plant native species which would act similarly in stabilizing the shoreline. In order to protect the at-grade section, it will be necessary to construct a 1'- 0" to 2'-0" high precast modular block protection wall to prevent erosion of the sidewalk. The blocks will be buried 6" – 12" and be set on a crushed stone foundation. Approximately 50 feet of the block wall will be within the MHW zone. Above the wall will be an 8'-6" concrete sidewalk and railing. As stated, the area surrounding the wall and the existing vegetation will be filled in with native plants which will provide suitable stabilization also providing an aesthetically pleasing view from the walkway.

In addition to the walkway, Elliott Way will be reconstructed by removing and replacing the existing pavement which is currently rutted and sinking in various locations. The existing pavement will be removed and a new base course reinforced with a geotextiles will be placed. The roadway will be topped with new asphalt pavement. The reconstructed Elliott Way profile will be slightly raised by 6" to 8". The new pavement width currently just meets the NYS Fire Code requirement of a minimum 20 foot wide access for emergency vehicles. The western edge of the roadway will be bordered by a new 6" concrete curb. The curbing in combination with a new drainage collection system, will control runoff. Road salt and sediment carried in the runoff will be transported to the reconstructed sediment basin. Currently no curbing exists along this stretch of roadway and storm water runoff discharges directly into the river. Also proposed will be the looping of a public watermain and installing a new guide rail. Other than the installation of the new drainage discharge, the work described above is not under the jurisdiction of this permit.

Included in the project will be the replacement of an existing corrugated metal arch pipe which runs across Elliottt Way and discharges into an existing sediment basin on the river's edge. The culvert is aged and deteriorating and must be replaced. The source of the culvert originates east of NYS Route 9 in the Village center. The culvert runs under Route 9 and ends at a headwall on the west side of the Metro North RR tracks. Approximately 8'to 10' away, the culvert resumes and goes under Elliott Way discharging in the sediment basin on the west side. Being that the sediment basin is just off the edge of the roadway it is easily accessible for cleaning by the Village. The sediment basin is currently formed by a deteriorated timber sheeting barrier. It is proposed to replace the timber sheeting barrier with a new line of steel sheeting. Lastly

the project will involve the rehabilitation of the shoreline along the project. All existing deleterious surface material and debris such as broken concrete, timbers and drift wood will be removed and replaced with new rip rap protection. It is estimated that 250 cubic yards of deleterious surface material and debris will be removed as part of the shoreline rehabilitation. Once cleaned, new rip rap protection will be installed in combination with native vegetation to provide a stable condition which will be holistic and aesthetically pleasing. Protection of the Hudson River was considered throughout the design. The ability to perform all work from Elliott Way will assure minimal disturbance and avoid adverse effects below the low tide line. A turbidity curtain will be installed and maintained throughout the project.

The main purpose of this project is to address the established need to provide for the safety of pedestrians. There is currently a pedestrian walkway which begins at the start of Elliott Way to the south running along Senasqua Park in a northerly direction terminating at the parking lot. From this point north pedestrians and bicyclists continue along the edge of the parking lot with no well-defined path. Pedestrians and bicyclists are forced to walk in the roadway as they continue north between Senasqua Park and Croton Landing Park. Croton Landing Park extends further to the north and is a destination for many who visit the September 11th Memorial erected by the Village. Access to Croton Landing Park begins at the north end of the Senasqua parking lot. Elliott Way begins to narrow from this point north. This approximately 600 foot long stretch of Elliott Way is narrow with no shoulders on either side. Both sides of the road is either bordered by a chain link fence or guide rail right up to the pavement line. In minimal daylight or night hours there is little to no illumination of the roadway. The road is heavily traveled by pedestrians and bicyclists. The road is also used by passenger vehicles, boat trailers and commercial vehicles up to tractor trailer sizes. At the north end of this narrow stretch of road is an elevated pedestrian bridge which crosses over Route 9 and the Metro North tracks. The pedestrian bridge connects the Village to the marina, the park, and a shipping company. At varying times there is a heavy volume of people and vehicles, creating congestion and dangerous situations for all. All of these variables, makes this connection vital to the safety of all users of the park area. A significant benefit beyond the safety aspect is the ease of access and the recreational benefits that the pedestrian walkway would provide. Connectivity through the construction of the new walkway would further serve to eliminate the gap between the two parks and the Village on the opposite side of Route 9. This project will create a safe way for people to walk, run, and bike along the scenic Hudson River. The parks are destinations for the enjoyment of nature, picnicking, walking, running, fishing and a multitude of other outdoor activities. During the summer months there are concerts at Senasqua Park which adds to the congestion and unsafe conditions of Elliott Way. The Village of Croton-On-Hudson believes that this sustainable approach will encourage the public to take advantage of this fully connected access to the waterfront. This will allow for the safe use and the full enjoyment and recreational benefits the new walkway will provide. In broader terms, this green approach will also have a positive effect on the environment.

The Agencies from which permits are expected at this time for the project are:

1. New York State Department of Environmental Conservation – Article 15
2. Army Corps of Engineers - Nationwide
3. New York State Department of State – Coastal Consistency Concurrence
4. Village of Croton-On-Hudson – Local Permits