

EAST OF HUDSON WATERSHED CORPORATION

2018 ANNUAL REPORT



Wet ED Pond on Schoolhouse Rd, Lewisboro, New York

Date: March 2019

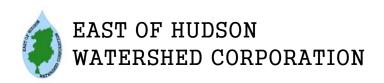


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1. INTRODUCTION

This Annual Report has been prepared to provide a summary of the completed, current, and upcoming activities; and financial status; of the East of Hudson Watershed Corporation (EOHWC). This Annual Report also includes limited information about the stormwater retrofit projects (SRPs) completed by the members prior to the formation of EOHWC. It is submitted in fulfillment of the requirements of Part IX.A.5.b of the May 1, 2010, SPDES General Permit for Stormwater Discharges from MS4's (MS4 Permit).

The EOHWC was formed on October 19, 2011 under Section 1411 of the New York State Not-For-Profit Corporation Law. The EOHWC is operated for charitable purposes, has received federal tax exemption as a 501(c)(3), and was established to administer, coordinate, and implement the East of Hudson (EOH) regional stormwater retrofit plans. The regional stormwater retrofit plans were developed as a response to the heightened phosphorus removal requirements of the New York State Department of Environmental Conservation (NYSDEC) General Permit GP-0-08-002 Municipal Separate Storm Sewer Systems Permit (MS4 General Permit).

The MS4 General Permit became effective on May 1, 2008; and was replaced by GP-0-10-002 which became effective on May 1, 2010 and expired on April 30, 2015. The GP-0-15-003 permit was issued in April 2015 and became effective on May 1, 2015. GP-0-15-003 is a two (2) year interim permit intended to cover discharges of stormwater to surface waters of the State from small MS4s.

As issued, GP-0-15-003 contains only conforming changes, such as a new general permit identification number, a two (2) year term, and updated references to the SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-15-002) and Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (GP-0-12-001). Throughout this Annual Report, reference is made to Year 1

(2010), Year 2 (2011), Year 3 (2012), Year 4 (2013), Year 5 (2014-2016), Year 6(2017), and Year 7 (2018).

The EOHWC is a Regional Stormwater Entity (RSE) with 19 members (18 municipalities and one County), operating in 18 municipalities and three Counties in the EOH watershed. The EOHWC is governed by a Board of Directors, composed of the chief elected official of each member. The chief elected official may delegate authority to another municipal employee. Each member has passed resolutions to join the EOHWC and authorize implementation of the regional stormwater retrofit plans by the EOHWC on behalf of each member.

2. ORGANIZATION

Daily operations of the EOHWC are completed by the supporting staff. The staff employees for the calendar year 2018 were:

- 1. Director of Engineering: Kevin Fitzpatrick, P.E. (Start Date: March 4, 2013)
- 2. Comptroller: Joanne Tavino (Start date: August 12, 2014)
- 3. Office Manager: Linda Matera (Start Date: September 29, 2014)
- 4. Accounts Payable Coordinator: Yvette Rivera (End Date: August 21, 2018)

The Board Members which served through 2018 are:

1. Town of Bedford: Chris Burdick

2. Village of Brewster: James Schoenig

3. Town of Carmel: Kenneth Schmitt

4. Town of Cortlandt: Linda Puglisi

5. Town of Kent: Maureen Fleming

6. Town of Lewisboro: Peter Parsons (President)

7. Village of Mount Kisco: Gina Picinich

8. Town of New Castle: Robert Greenstein

9. Town of North Castle: Michael Schiliro

10. Town of North Salem: Warren Lucas (Treasurer)

11. Town of Patterson: Richard Williams (Vice President)

12. Town of Pawling: James Schmitt

13. Village of Pawling: Robert Liffland

14. Putnam County: Mary Ellen O'Dell

15. Town of Putnam Valley: Samuel Oliverio

16. Town of Pound Ridge: Kevin Hansan

17. Town of Somers: Rick Morrissey

18. Town of Southeast: Tony Hay

19. Town of Yorktown: Ilan Gilbert

3. PURPOSE

The EOHWC was established as a regional stormwater entity under Part IV.B of the MS4 Permit to administer, coordinate and implement the East of Hudson regional stormwater retrofit projects (SRPs) with funding made available by the NYCDEP, Westchester County, and Putnam County. Through the EOHWC, the member municipalities are collectively achieving compliance with their SRP requirements (a.k.a. "bubble compliance"), regardless of the physical location of each retrofit.

The Year 7 SRPs for each member municipality were identified by the EOHWC staff and a 5-Year Work Plan prepared for and provided by the East of Hudson Watershed Coalition.





Pocket Wetland, in construction: Kent-MB-602

Bank Stabilization: Kent-MB-701

The Year 7 work plan was submitted to and approved by the New York State Department of Environmental Conservation (NYSDEC). The SRPs are phosphorus reducing stormwater retrofit projects designed to attain the ten-year phosphorus removal requirement established by the NYSDEC. Construction contracts for those projects currently in design are expected to be executed

between calendar years 2018-2021, depending on several factors including design progress, municipal review and acceptance, and easement negotiations.

The individual municipalities began stormwater retrofit projects in Year 1, and continued as individual municipalities in Year 2. EOHWC began to manage, administer, and fund stormwater retrofit projects in Year 3; and continued this role through Year 7.

4. STORMWATER RETROFIT PLAN SUMMARY

The NYSDEC has confirmed and approved the completion of projects totaling 439.6

kg/yr of phosphorus removal. The Actual Phosphorus Reduction for Years 1 and 2 is based on documentation provided by the individual municipalities to EOHWC, and submitted to the NYSDEC by EOHWC, for SRPs completed by each member municipality prior to the formation of the EOHWC. The Year 1 and 2



Runoff from eroded channel: SE-POT-02

submittals have been updated as Year 2 projects are completed by the

member municipality and/or EOHWC. The Year 2 Phosphorus Reduction value is calculated from Year 2 SRPs that had been started by a member municipality, and were either completed by the member municipality or transferred to EOHWC to complete design and construction. For the Year 2 SRPs completed by the member municipalities, certification documents have been obtained from the member municipality and submitted to the NYSDEC. All projects which were actively worked on by the EOHWC during the Calendar Year of 2018 can be found within this section.

Table 1: Stormwater Retrofit Program Summary

| | Ten Year | | 0 -41 | Phospho | D. d. | | () | - | Falin | nated Pl | | na Darden | /l | · /- ·\ | Estimated Tota | ls (kg/yr) (1) |
|--------------------|--|--------|--------|---------|--------|-------|--------|--------|--------|----------|---------|------------------|--------|---------|-----------------|---------------------------------------|
| MS4 | Phosphorus Reduction Requirement | Year 1 | Year 2 | | Year 4 | | Year 6 | Year 7 | Year 2 | Year 3 | Year 4 | | | Year 7 | Total Reduction | Remaining Reduction Requirement |
| Bedford | (kg/yr) | 0.44 | 7.20 | 5.34 | 2.65 | 44.20 | | | | | 11/1/19 | | 771 | 4.00 | 20.7 | 25.7 |
| | 64.4 | 9.11 | 7.29 | 0.0. | 3.65 | 11.29 | - | - | 97 | (=) | - | - | - | 1.99 | 38.7 | 25.7 |
| Brewster | 18.4 | - | - | 83.60 | - | - | - | - | - | - | - | (-) | - | - | 83.6 | 0.0 |
| Carmel | 144.0 | 3.68 | 7.52 | 14.44 | 3.00 | - | 15.7 | - | | (7.0 | - | , - 2 | 4.22 | 10.86 | 43.7 | 100.3 |
| Cortlandt | 23.2 | - | - | 3.20 | - | - | - | - | - | - | - | - | - | - | 3.2 | 20.0 |
| Kent | 67.2 | 9.56 | 4.67 | 14.50 | 13.74 | - | - | - | - | - | - | - | 54.63 | 16.10 | 113.2 | 0.0 |
| Lewisboro | 71.0 | 4.03 | - | 15 | 22.89 | 3.60 | | - | - | | - | | - | 6.80 | 37.3 | 33.7 |
| Mount Kisco | 37.4 | 0.81 | - | | 10.85 | - | 15. | - | - | (5) | 8.50 | - | 20.64 | - | 40.8 | 0.0 |
| New Castle | 50.2 | - | - | | - | - | - | - | - | 1=3 | - | 14.11 | 33.00 | 7.70 | 54.8 | 0.0 |
| North Castle | 2.0 | | = | (0) | - | - | 100 | - | 95 | (5) | - | 10-10 | - | (=) | 0.0 | 2.0 |
| North Salem | 38.2 | - | 7.12 | (-) | 9.80 | 10.91 | - | - | - | 15.0 | - | - | 54.57 | 10.38 | 92.8 | 0.0 |
| Patterson | 34.4 | 3.31 | 1.62 | 10.36 | 150 | 4.38 | 35.2 | - | 95 | (5) | - | - | 46.03 | 7.63 | 73.3 | 0.0 |
| Pound Ridge | 19.0 | - | - | (=) | - | - | 150 | - | 0- | - | - | - | - | 25.00 | 25.0 | 0.0 |
| Putnam Valley | 2.0 | 150 | 7.90 | (5) | 150 | - | 15. | 15 | (85) | (5) | - | 15 | - | (5) | 7.9 | 0.0 |
| Town of Pawling | 7.0 | - | 1.75 | - | - | 5.31 | - | - | - | | - | - | - | 4.66 | 11.7 | 0.0 |
| Village of Pawling | 8.6 | 150 | 0.03 | (=) | - | - | 15. | - | 0.5 | 150 | - | - | - | 9.10 | 9.1 | 0.0 |
| Somers | 100.0 | 10.41 | 1.45 | 15.97 | 24.20 | 2.93 | (=) | - | - | 150 | - | - | - | - | 55.0 | 45.0 |
| Southeast | 62.2 | 8.83 | 7.57 | 21.33 | - | - | 1- | - | 68.90 | 15.0 | - | - | 5.59 | 9.14 | 121.4 | 0.0 |
| Yorktown | 108.0 | 0.07 | - | 19.84 | - | - | - | - | - | | - | - | 13.21 | - | 33.1 | 74.9 |
| Putnam County | 61.8 | 1.86 | - | 20.38 | 5.45 | - | 1-1 | - | (s=) | (=.) | - | - | - | 21.44 | 49.1 | 12.7 |
| Total | 919.0 | 51.67 | 46.92 | 208.96 | 93.58 | 38.42 | 0.00 | 0.00 | 68.90 | 0.00 | 8.50 | 14.11 | 231.89 | 130.80 | 893.75 | 25.3 |

Table Notes:

- (1) The above table reflects an accepted phosphorus reduction of 439.6 kg/yr. At the time of this report, EOHWC has submitted for credits totaling 524 kg/yr.
- (2) Sources: "Stormwater Retrofit Program" by Putnam County MS4 Coordinating Committee, dated December 31, 2009; and "Regional Stormwater Implementation Plan", by CKWIC, August 2010.
- (3) Sources: "Summary of Completed Retrofit Projects: Project Years 1 & 2" and "Summary of Completed Retrofit Projects: Project Years 3 & 4" by EOHWC and dated 10/31/2014; email from Robert Capowski on 12/9 and 12/11/2014.
- (4) Estimated values are from information provided by engineering consultants providing professional services under EOHWC contracts; from some municipalities with NYSDEC grants for stormwater retrofit projects; and conceptual design from EOHWC. The actual phosphorus removal will be determined based on the submission of Record Documents stamped by a Professional Engineer to the NYSDEC.
- (5) Total Reduction value shown is expected to decrease as SRP evaluation and design progresses.

The following nomenclature is used in this Annual Report to describe project status:

- Cancelled: SRP was cancelled by EOHWC prior to or during design. Typical reasons for cancelling a SRP include: low phosphorus removal, located on private property, site constraints preventing proper design, permitting complexity, and/or cost.
- 2. **Postponed**: The SRP was submitted to and evaluated by EOHWC. Based on the current program parameters and progress, these projects will be evaluated for inclusion as part of Years 6-10.
- 3. **Complete**: SRP has been constructed however the project has not been completely removed from our tracking system. This occurs when a project still requires stabilizing or outstanding payments remain.
- 4. Closed: The SRP is no longer being tracked by EOHWC for project closeout.

EOHWC Project Summaries

B-MU-701 (NYCDEP Commuter Lot – Year 7) – Located in the Town of Bedford, the proposed SRP includes the installation of catch basin inserts on NYCDEP property. This project is currently in design and construction is expected to be completed in early 2019.

Carmel-CF-601 (Eleanor Drive – Year 6) – Located in the Town of Carmel, the proposed SRP includes the stabilization of an eroded channel on NYCDEP property. The project will be going out to design in early 2018. Construction is expected to occur in 2019.

Carmel-CF-701 (Putnam County Hospital Center – Year 7) – Located in the Town of Carmel, the proposed SRP includes the installation of catch basin inserts on private property. This project is expected to go to design and be constructed in 2019.

Carmel-CF-702 (Tanya Lane – Year 7) – Located in the Town of Carmel, the proposed retrofit was for the installation of a wet extended detention pond on municipal property. The project has been postponed and will be reevaluated by the Town and EOHWC.

Carmel-CF-703 (Woodland Trail – Year 7) – Located in the Town of Carmel, the proposed SRP includes the stabilization of a classified stream, along with the installation of a filter chamber. The installation will take place within the Town right of way and on private property. The project is in design and is expected to go to construction in 2020.

Kent-MB-601 (Montrose Drive – Year 6) – Located in the Town of Kent, the proposed SRP includes the construction of a multiple pond system on Town property. The project is in the design phase and construction is expected to begin in 2019.

Kent-MB-602 (Haviland Rd Outfall – Year 6) – Located in the Town of Kent, the proposed SRP includes the construction of a pocket wetland and channel stabilization on Town property. This project is currently in construction and is expected to be completed in early 2019.

Kent-MB-701 (Lake Carmel Outfall – Year 7) – Located in the Town of Kent, the retrofit included the stabilization of an existing outfall to Lake Carmel. The project was completed in 2018.

L-CR-701 (Lewisboro Elementary School – Year 7) – Located in the Town of Lewisboro, the proposed SRP includes the installation of catch basin inserts on school property. The project will go to design in early 2019 and is expected to complete construction in 2020.

L-MU-715 (Goldens Bridge Train Station – Year 7) – Located in the Town of Lewisboro, the proposed SRP includes the installation of catch basin inserts on NYCDEP property. The project is currently in design and expected to go to construction in early 2019.

MK-NC-22 (Leonard Park – Year 4) – Located in the Village of Mount Kisco, the proposed SRPs are one dry swale, six surface sand filters, and eight bioretention areas. This project is currently in the design phase with construction to begin in 2019.

MK-NC-601 (Village Hall – Year 6) – Located in the Village of Mt. Kisco, the proposed project includes the installation of catch basin inserts on Village property. The project is expected to be completed in mid-2019.

MK-NC-602 (Mt. Kisco Commons – Year 6) – Located in the Village of Mt. Kisco, the proposed project includes the installation of catch basin inserts on private property. The project has been postponed due to site access constraints.

NewC-NCR-33A (Burden Preserve – Year 5) – Located in the Town of New Castle, the proposed SRP includes channel stabilization on public property. This project is currently in design and construction expected to be completed in 2019.

NewC-NCR-33B (Burden Preserve – Year 5) – Located in the Town of New Castle, the proposed SRP includes channel stabilization on public property. This project is currently in design and construction expected to be completed in 2019.

NewC-NCR-601 (Sheather Rd – Year 6) – Located in the Town of New Castle, the proposed SRP is for the stabilization of a heavily eroded bank along the road on Town property. The project is currently being evaluated by the Town and EOHWC for further action.

NewC-NCR-701 (Chappaqua Crossings – Year 7) – Located in the Town of Chappaqua, the proposed SRP includes the installation of various green infrastructure techniques within a new commercial development. All items are being installed to reduce the phosphorus loading on the site from the existing conditions. Construction is expected to be complete in 2019.

NS-MU-11 (Route 22 & Route 116 – Year 3) – Located in the Town of North Salem's Hand Scrabble Road Park, this retrofit includes the installation of a new Extended Detention Pond. This project was cancelled due to site access constraints.

NS-MU-601 (Keeler Lane – Year 6) – Located in the Town of North Salem, the project involves the stabilization of a heavily eroded channel across multiple properties. The project is in the design phase and construction is estimated to occur in 2020.

NS-MU-602 (Westview Ave – Year 6) – Located in the Town of North Salem, the project involves the stabilization of a heavily eroded channel across multiple properties. The project is being re-evaluated by EOHWC and the Town for efficiency and alternate SRPs.

NS-MU-701 (Croton Falls Train Station – Year 7) – Located in the Town of North Salem, the project involves the installation of catch basin inserts on NYCDEP property. The project is currently in design and expected to go to construction in early 2019.

NS-MU-702 (Purdys' Train Station – Year 7) – Located in the Town of North Salem, the project involves the installation of catch basin inserts on NYCDEP property. The project is currently in design and expected to go to construction in early 2019.

Pat-EB-09-03B (Veteran's Memorial Park – Year 4) – Located in the Town of Patterson, the proposed SRP is an organic filter. Detailed design for this project has been completed and construction is anticipated to commence in 2019 by the Town of Patterson.

Pat-EB-601 (Valley Rd – Year 6) – Located in the Town of Patterson, the proposed SRP is for the installation of a multiple pond system on Town owned property. The project is currently being re-evaluated for expansion on to private property by the Town and design engineer. Construction is expected to occur in 2019.

Pat-EB-602 (Dayton Rd – Year 6) – Located in the Town of Patterson, the proposed SRP is for channel stabilization on Town property. The project is currently in the design phase and is expected to be constructed in 2019.

Pat-EB-603 (Lost Lake – Year 6) – Located in the Town of Patterson, the proposed SRP is for channel stabilization on private property. The project is currently in design and is expected to be constructed in 2019.

- **Pat-EB-701 (Patterson Train Station Year 7) –** Located in the Town of Patterson, the project involves the installation of catch basin inserts on municipal and MTA property. The project is currently in design and expected to go to construction in early 2019.
- **Pat-MB-715 (Gottwald Property Year 7) –** Located in the Town of Patterson, this project has been fully designed and is ready for construction. The project calls for the installation of a pocket pond on private property. Site access issues have postponed the construction of the project.
- **PC-MB-701 (Tilly Foster Farm Year 7) –** Located in the Town of Carmel, on Putnam County property, the proposed SRP is for the stabilization of an eroded channel and installation of a wet extended detention pond. The project is construction and is expected to be completed in 2019.
- **PR-CR-601 (Cross Rd Year 6)** Located in the Town of Pound Ridge, the proposed SRP is for the stabilization of eroded banks on private property. The project is undergoing further evaluation by the Town and EOHWC for construction in 2019.
- **PR-CR-701 (Parkview Drive Year 7) –** Located in the Village of Pound Ridge, the proposed project is for the stabilization of an eroded channel on private property. The project is currently in design and is expected to be constructed in 2019.
- **PR-CR-702** (**Dingee Rd Year 7**) Located in the Village of Pound Ridge, the proposed project is for the stabilization of an eroded channel on private property. The project is currently in design and is expected to be constructed in 2019.
- **PW-EB-701 (25 South Street Year 7)** Located in the Town of Pawling, the proposed SRP is for subsurface infiltration on municipal property. This project is being re-evaluated by the Town/Village and EOHWC
- **SE-DI-03 (Lincoln Road Year 2) –** Located in the Town of Southeast, this retrofit project was originally part of the Year 2 plan and includes the installation of Hydrodynamic Separator and channel stabilization. This project is under construction and expected to be completed in 2019.
- **SE-DI-601 (Brewster Hill Rd Year 6)** Located in the Town of Southeast, the proposed retrofit originally called for the installation of a pocket pond system on NYCDEP property. It has been revised to provide a filter chamber installation on a commercial private property. The project is in the design phase and is expected to be constructed in 2019.
- **SE-DI-602 (Route 22 Outfall Year 6) –** Located in the Town of Southeast, the proposed retrofit is for the stabilization of an eroded channel and outfall on private property. This project has been postponed due to site access issues.

SE-DI-701 (Southeast Train Station – Year 7) – Located in the Town of Southeast, the proposed retrofit is for the installation of catch basin inserts on MTA property. The project is in design and is expected to go to construction in 2019.

SE-EB-715 (Scolpino Park – Year 7) – Located in the Town of Southeast, the proposed SRP is for the installation of various surface sand filters within a Town park. The project will go to design and construction in 2019.

SE-POT-02 (Brewster Heights – Year 2) – Located in the Town of Southeast, this retrofit project was originally part of the Year 2 plan and includes the installation of Hydrodynamic Separator and channel stabilization on both Town and private property. The pretreatment method was revised to include catch basin inserts in lieu of an HDS unit. This project is currently in construction and is expected to be completed in early 2019.

S-MU-701 (Lake Shenorock – Year 7) – Located in the Town of Somers, the proposed retrofit is for the stabilization of various outfalls and installation of HDS units at several locations around Lake Shenorock. This project is currently in construction, and is expected to be complete in 2019).

VPW-EB-715 (Fairway Drive – Year 7) – Located in the Village of Pawling, this proposed SRP is for subsurface infiltration on municipal property. The project is being re-evaluated by the EOHWC and the Village.

Y-MU-601 (Front Street – Year 6) – Located in the Town of Yorktown, the proposed SRP is for the installation of a designed wetland on Town property. The project is currently in the design phase and construction is expected to begin in 2019.

Y-MU-602 (Junior Lake – Year 6) – Located in the Town of Yorktown, the proposed SRP is for the installation of subsurface infiltration chambers on Town property. The project is currently in the design phase and being re-evaluated by EOHWC.

5. FUNDING SOURCES AND FINANCIAL SUMMARY

The EOHWC funding has been and will be provided directly or indirectly by the New York City Department of Environmental Protection (NYCDEP). The legal structure of the EOHWC allows transfer of funds from the NYCDEP, Westchester County, and Putnam County to the EOHWC for implementing the SRPs. There are four primary funding sources for the design, permitting, and construction of SRPs:

- 1. NYCDEP from 2010 Water Supply Permit (WSP): \$15.5 million
- 2. NYCDEP from 2007 Filtration Avoidance Determination (FAD): \$4.5 million
- 3. Westchester County from 1997 Memorandum of Agreement (MOA): \$10 million
- 4. Putnam County from 1997 Memorandum of Agreement (MOA): \$8.2 million

The Westchester County MOA funds were transferred to the EOHWC on June 20, 2012. An initial transfer of \$250,000 of the Putnam County MOA funds to the EOHWC was completed in April 2012. A partial transfer (\$7,447,815.35) of the Putnam County MOA funds to the EOHWC was completed on June 15, 2012. The final transfer (\$75,981.11) of the Putnam County MOA funds was transferred to the EOHWC on October 22, 2012. The remainders of the Putnam County MOA funds were used by Putnam County to provide funding for Year 2 stormwater retrofit projects. The transfers were authorized by Intermunicipal Agreements between the County and the municipalities located in each County.

The NYCDEP Funding Agreement was registered on July 18, 2013. From the Funding Agreement, an initial disbursement of \$10,000,000 was transferred to EOHWC on September 23, 2013 from the Water Supply Permit (WSP) allocation. The FAD funding in the amount of \$4,500,000 was transferred to the EOHWC on March 21, 2014. The remaining WSP funding in the amount of \$5,500,000 was transferred to the EOHWC on August 17, 2015.

The WSP and FAD funds are principal funds, bonded by the NYCDEP for capital expenditures. Thus, projects completed using these funds must, at minimum, have a 5-year life span, minimum total project cost of \$35,000, and have begun after January 1, 2011. The MOA funds are interest on funds previously provided by NYCDEP to Putnam and Westchester counties, and are only restricted to stormwater retrofit projects in the original County.

In addition, each municipality may seek grants from other sources (e.g. NYSDEC Water Quality Investment Program, Environmental Facilities Corporation, etc.). Grants for stormwater retrofits were awarded to the Town of Bedford, Town of Kent, Town of North Salem, Town of Somers, and Village of Pawling. NYSDEC grants include a match requirement by the recipient. EOHWC will reimburse the municipalities for the match component, if requested.

The following tables provide various data describing the EOHWC financial status. The Total Expenditures, based on the four primary expense categories, are shown in Tables 2A and 2B. The expense categories can be generally described as follows:

- 1. **General Administration**: Expenses internal to EOHWC operations, including non-project expenses (salaries, benefits, travel, office equipment/supplies, computer hardware and software, advertising, utilities, insurance, rent, etc.).
- 2. **Project Administration**: Expenses internal to EOHWC operations for project expenses (e.g. reviewing design submittals, project designs, coordinating with consultants and/or contractors, project meetings, etc.).
- 3. Design: Fees paid by EOHWC to engineering consultants, in accordance with Professional Service Contracts, Task Orders, and/or Change Orders. This may also include reimbursement to municipalities for design fees paid by the municipality, and/or reimbursement to municipalities for the match component of a grant for the design of an acceptable SRP.
- 4. Construction: Fees paid by EOHWC to construction contractors, in accordance with an executed Agreement included within the Contract/ Bid Documents, and/or Change Orders. This may also include reimbursement to municipalities for construction costs paid by the municipality.

Table 2A: Total Expenditures (2018)

| Expense Type | Amount | | | | |
|------------------------|----------------------|--|--|--|--|
| General Administration | \$ 419,782 (15.6%) | | | | |
| Project Administration | \$ 122,311 (4.5%) | | | | |
| O&M | \$ 121,410 (4.5%) | | | | |
| Design | \$ 201,118 (7.5%) | | | | |
| Construction | \$ 1,830,746 (67.9%) | | | | |
| TOTAL | \$ 2,695,367 | | | | |

Table 2B: Total Expenditures (2012 thru 2018)

| Expense Type | Amount | | | | | |
|------------------------|-----------------------|--|--|--|--|--|
| General Administration | \$ 3,012,444 (9.4%) | | | | | |
| Project Administration | \$ 927,743 (2.9%) | | | | | |
| O&M | \$ 293,245 (0.9%) | | | | | |
| Design | \$ 4,695,101 (14.7%) | | | | | |
| Construction | \$ 23,061,070 (72.1%) | | | | | |
| TOTAL | \$ 31,989,603 | | | | | |

Table 3 includes a summary of the various source funds available to EOHWC for stormwater retrofit projects, and lists the total expenses against each source fund. Putnam County funds in the amount of \$4.7 million were used to fund WSP projects above the initial \$10 million received prior to 2015 and were replenished upon receipt of the additional \$5.5 million WSP funding in August, 2015.

Table 3: Fund Summary (2012-2018)

| | EOHWC Funds | | |
|---------------------------------|------------------|-----------------|--------------|
| Source Fund | Received | Expenses | Remaining |
| Putnam County MOA | \$ 7,773,796 | (\$ 6,388,851) | \$ 1,384,945 |
| Westchester County MOA | \$ 10,000,000 | (\$ 4,863,840) | \$ 5,136,160 |
| DEP Funding Agreement (WSP) | \$ 15,500,000 | (\$ 15,500,000) | \$ 0 |
| DEP Funding Agreement (FAD) | \$ 4,500,000 | (\$ 4,500,000) | \$ 0 |
| Non-SRP and Rental Income | \$ 454,230 | (\$ 452,980) | \$ 1,250 |
| O&M Bubble Compliance | \$ 293,245 | (\$ 293,245) | \$ 0 |
| Interest Earnings | \$ 236,228 | (\$ 6,702) | \$ 229,526 |
| Adjust for Receivables/Payables | | \$ 68,487 | \$ 68,487 |
| Totals | \$ 38,757,499 | (\$ 31,937,132) | \$ 6,820,368 |

The target SRP efficiency, based on available funding of \$38.2 million and a phosphorus removal requirement of 459.5 kg, is approximately \$83,000/kg. Based on the project and financial data to date, the approximate average SRP efficiency for SRPs in progress, completed, and/or cancelled as part of the EOHWC program, is \$60,000/kg. The EOHWC will have a surplus of funding available and surpass the 459.6 kg/yr goal for projects as part of the Year 1-5 Work Plan. This funding was carried over into Years 6-10 to assist in reaching the next phosphorus reduction bench mark, and complete the program. All phosphorus reductions past the 5-year goal will be applied to the future of the program.

Funding for all Operations and Maintenance (O&M) activities come from the member municipalities as part of the O&M Agreement accepted by all MS4s. Each MS4 is responsible for their share of O&M costs as defined by the agreement, and no project funding is used for maintenance.

As the Funding Agreement source funds were not available to EOHWC until September 2013, project and administration costs were charged against the Putnam and/or Westchester MOA source funds. Upon receipt of the disbursements from the Funding Agreement, funds previously spent from the Putnam and/or Westchester MOA source funds on eligible expenses were reclassified from the Funding Agreement to the Putnam and/or Westchester MOA source funds.

6. FUTURE WORK

6.1 Completion of the 10-Year Stormwater Retrofit Program

The EOHWC is advancing towards the completion of the 10-Year Stormwater Retrofit Program. The projects from the first 5 years of the program are scheduled for completion by fall of 2019. Completion of all projects from the first 5-year work plan will amount to approximately 535 kg/yr of phosphorus removal from the NYCDEP Watershed.

The EOHWC has started work on Year 8 of the Stormwater Retrofit Program in the beginning of the year 2019. This Work Plan will provide the EOHWC with enough projects to reach our goal of 919.2 kg/yr at the completion of the program. The flexibility of project selection at this junction can allow the EOHWC to concentrate on construction efforts at the conclusion of the program, and limit any open design contracts that are pursued.

6.2 **Program Requirements and Funding for Years 6-10**

The East of Hudson Watershed Coalition is in negotiations with the NYCDEP for the receipt of an additional \$22 million which can be applied to a select group of projects within the program. All projects which are located within the Filtration Avoidance Determination (FAD) Basins are eligible for this funding, along with those basins hydrologically connected.

The Federal and State Grant programs will be researched and pursued annually to support any funding sources which the EOHW Coalition are able to secure.

6.3 Advancement of Engineering and Project Techniques

The EOHWC will continue to explore new techniques and products to further the advancement of the phosphorus reduction program with the NYCDEP and NYSDEC. New approaches may not be limited to product selection, but also include expansion of existing site development plans to incorporate a phosphorus reduction element to further advance the pollution reduction initiative.



EAST OF HUDSON WATERSHED CORPORATION

Appendix A: ABO Budget



EAST OF HUDSON WATERSHED CORPORATION BUDGET AND FINANCIAL PLAN

| WATER | | | | Actual | | | | Budget | Total Since |
|-------------------------------------|----------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------|
| | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | Inception thru 2019 |
| FINANCIAL SOURCES | | | | | | | | | |
| NYC DEP | - | 10,000,000 | 4,500,000 | 5,500,000 | - | - | - | 15,000,000 | \$ 35,000,000 |
| Interest | \$ 23,555 | \$ 32,757 | \$ 15,730 | \$ 6,524 | \$ 5,229 | \$ 40,271 | \$ 96,244 | \$ 133,000 | \$ 353,310 |
| O&M Bubble Compliance | - | - | - | - | 64,494 | 107,341 | 121,410 | 276,000 | \$ 569,245 |
| Putnam County IDA Rent | | | | | | | 1,250 | 3,000 | \$ 4,250 |
| Putnam/Westchester Funds | 17,773,796 | - | - | - | - | - | - | - | \$ 17,773,796 |
| Non-SRP Fund Reimbursement | - | 70,000 | - | 122,620 | - | - | - | - | \$ 192,620 |
| TOTAL FINANCIAL SOURCES | \$ 17,797,351 | \$ 10,102,757 | \$ 4,515,730 | \$ 5,629,144 | \$ 69,723 | \$ 147,612 | \$ 218,904 | \$15,412,000 | \$ 53,893,222 |
| <u>EXPENDITURES</u> | | | | | | | | | |
| Compensation (Salaries plus He | alth Insurance | e and PR Tax exp | ense) | | | | | | |
| Exec Dir/Dir of Engineering | | \$ 73,481 | 91,709 | 104,885 | 133,482 | 135,416 | 139,341 | 144,436 | \$ 822,751 |
| Project Engineer/Watershed pla | nner | | - | 64,594 | 115,904 | 60,126 | - | - | 240,625 |
| Comptroller | | | 30,686 | 98,712 | 90,909 | 92,899 | 104,275 | 107,767 | 525,248 |
| Accounts Payable Coordinator | | | 3,648 | 18,334 | 28,121 | 28,020 | 10,270 | - | 88,394 |
| Records Management Coordina | tor | | 3,648 | 22,578 | 37,353 | 36,767 | - | - | 100,346 |
| Office Manager | | 18,396 | 60,000 | 28,620 | - | - | 44,688 | 64,260 | 215,964 |
| In-house Attorney | | | 67,457 | - | - | - | - | - | 67,457 |
| Executive Director | 105,907 | 166,043 | 118,000 | - | - | - | - | - | 389,950 |
| Prior (other staff) | 50,260 | 71,463 | - | - | - | - | | - | 121,723 |
| Total Compensation | \$ 156,167 | \$ 329,383 | \$ 375,148 | \$ 337,723 | \$ 405,771 | \$ 353,229 | \$ 298,574 | \$ 316,463 | \$ 2,572,458 |
| Project costs | \$ 1,747,238 | \$ 10,341,709 | \$ 7,714,170 | \$ 2,582,642 | \$ 2,122,912 | \$ 1,671,886 | \$ 2,195,594 | \$12,055,316 | \$ 40,431,467 |
| Other Expenditures | \$ 147,017 | \$ 164,114 | \$ 224,732 | \$ 223,538 | \$ 188,596 | \$ 208,261 | \$ 201,199 | \$ 214,255 | \$ 1,571,712 |
| TOTAL EXPENDITURES | \$ 2,050,422 | \$ 10,835,206 | \$ 8,314,050 | \$ 3,143,903 | \$ 2,717,279 | \$ 2,233,376 | \$ 2,695,367 | \$12,586,034 | \$ 44,575,637 |
| | | | | | | | | | |
| Cumulative excess (deficiency) of | | | | | | | | | \$ 9,317,585 |
| financial sources over expenditures | | | | | | | | | 2,317,303 |

⁽¹⁾ Other expenditures include Legal/Audit, Rent and Insurance.

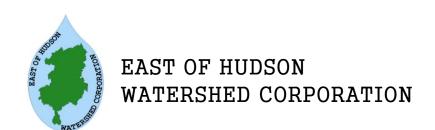
⁽²⁾ Cumulative excess is County funds (WQIP) since WSP and FAD funds have been committed and/or spent in full.



EAST OF HUDSON WATERSHED CORPORATION

Appendix B: EOHWC Project Data Sheets for Year 7

As submitted February 2019 to the NYSDEC



Tel: 845-319-6349 Fax: 845-319-6391

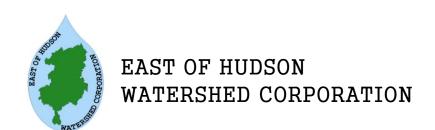
Print Date: February 1, 2019

Prepared by: Kevin Fitzpatrick, PE

Checked by:

EOHWC Year 7(2018) Project Summary - Interim

| LOTIVO Tear | 1(2010) I | , oje | <u>ct Garrinary</u> | - michin | | | |
|---|-------------|------------|---------------------|-----------------|-------------|-----------|-------|
| Project ID: | B-MU-701 | | | Project Status: | | Design | |
| Common Name: | NYCDEP (| Commi | uter Lot | | | | |
| Watershed: | Muscoot | | | | | | |
| Site Owner: | NYCDEP | | | Design Engine | er: | KC Engine | ering |
| Site Address: | Woods Brid | dge Ro | I | | | | |
| County: | Westcheste | er | | 60% Submission | n Date: | | |
| Municipality: | Bedford | | | 100% Submiss | ion Date: | | |
| Supervisor: | Chris Burdi | ck | | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Catch Basi | n Inse | rts | Field Recon Da | ite: | | |
| Revised Retrofit: | | | | Associated Per | mits: | NYCDEP L | .UP |
| Original P Removal: | 3.58 | kg/yr | | Proposed Drain | nage Area: | N/A | acres |
| Revised P Removal: | 1.99 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start date: Construction Completion date: | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: | | | | | | | |
| Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | | | |



2 NYS Route 164 Patterson, NY 12563 Tel: 845-319-6349

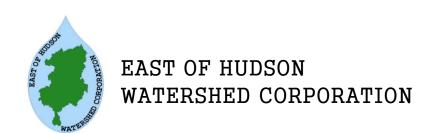
Fax: 845-319-6391

Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

Checked by:

EOHWC Year 6(2017) Project Summary - Interim

| LOTIVO Tear | U(ZUII) | <u> </u> | ct Guillillai y | - IIICIIIII | | | |
|---|---------------------------------|------------|----------------------------|-----------------|-------------|----------------|-------|
| Project ID: | Carmel-CF | -601 | | Project Status: | | Design | |
| Common Name: | Eleanor Dr | ive | | | | | |
| Watershed: | Croton Fall | S | | | | | |
| Site Owner: | Multiple owners | | | Design Engine | er: | KC Engineering | |
| Site Address: | 22 Eleanor Drive (Mult. Owners) | | | | | | |
| County: | Putnam | | | 60% Submission | on Date: | | |
| Municipality: | Carmel | | | 100% Submiss | ion Date: | | |
| Supervisor: | Kenneth So | chmitt | | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Channel Stabilization | | Field Recon Date: | | 11/30/2016 | | |
| Revised Retrofit: | | | | Associated Per | mits: | NYCDEP L | UP |
| Original P Removal: | 4.22 | kg/yr | | Proposed Drain | nage Area: | N/A | acres |
| Revised P Removal: | 4.22 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start date: Construction Completion date: | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: | | | | | | | |
| Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | | | |



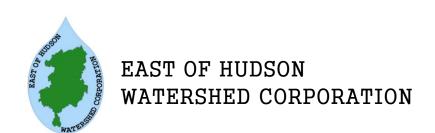
Tel: 845-319-6349 Fax: 845-319-6391

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Prepared by: Kevin Fitzpatrick, PE

Checked by:

EOHWC Year 7(2018) Project Summary - Interim

| LOTIVO Teat | | | <u>Garrinar y</u> | | | |
|--------------------------------------|---------------------|------------|--------------------|-----------------------------|----------------------|--------------|
| Project ID: | Carmel-CF | 701 | | Project Status: | Concept | |
| Common Name: | Putnam Co | ounty Hosp | pital Center | | | |
| Watershed: | Croton Fall | ls | | | | |
| Site Owner: | | | | Design Engineer: | | |
| Site Address: | 670 Stonel | eigh Ave | | | | |
| County: | Putnam | | | 60% Submission Date: | | |
| Municipality: | Carmel | | | 100% Submission Date: | | |
| Supervisor: | Kenneth S | chmitt | | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Catch Basin Inserts | | | Field Recon Date: | | |
| Revised Retrofit: | | | | Associated Permits: | None | |
| Original P Removal: | 5.45 | kg/yr | | Proposed Drainage Area: | N/A | acres |
| Revised P Removal: | 5.45 | kg/yr | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| Construction Start da | te: | TBD | | | | |
| Construction Completion date: TBD | | | | | | |
| Agreements: | | | | | | |
| Municipal Reimbursen | nent Complete? | N/A Mu | ınicipal Installat | ion Complete? No F | Private Installation | Complete? No |



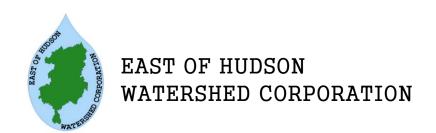
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Prepared by: Kevin Fitzpatrick, PE

Checked by:

EOHWC Year 7(2018) Project Summary - Interim

| <u> </u> | / (2010) - | . 0]0 | ot Gairmiai y | michin | | | |
|---|-----------------------|--------|---------------|-------------------|-------------|---------|-------|
| Project ID: | Carmel-CF | -702 | | Project Status: | | Concept | |
| Common Name: | Tanya Lan | е | | | | | |
| Watershed: | Croton Fall | S | | | | | |
| Site Owner: | Town of Ca | armel | | Design Enginee | er: | | |
| Site Address: | Tanya Lan | е | | | | | |
| County: | Putnam | | | 60% Submissio | n Date: | | |
| Municipality: | Carmel | | | 100% Submissi | on Date: | | |
| Supervisor: | Kenneth So | chmitt | | Record Document I | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Wet ED Po | nd | | Field Recon Da | te: | | |
| Revised Retrofit: | | | | Associated Peri | mits: | None | |
| Original P Removal: | 5.41 | | | Proposed Drain | age Area: | 22.50 | acres |
| Revised P Removal: | N/A | | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| Construction Start date: TBD Construction Completion date: TBD | | | | | | | |
| Agreements: Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? N/A | | | | | | | |



Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? No

Print Date: February 1, 2019

Prepared by: Kevin Fitzpatrick, PE

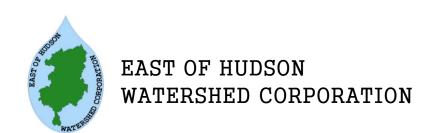
Checked by:

No

EOHWC Year 7(2018) Project Summary - Interim

Municipal Reimbursement Complete? N/A Municipal Installation Complete?

| <u> </u> | 7(2010) | i roject Gairina y | michin | | |
|--------------------------------------|------------------------------|--------------------|-----------------------------|----------------|-------------------|
| Project ID: | Carmel-C | F-703 | Project Status: | Concept | |
| Common Name: | Woodland | l Trail | | | |
| Watershed: | Croton Fa | lls | | | |
| Site Owner: | Multiple o | wners | Design Engineer: | P&D Consulting | g Engineers, P.C. |
| Site Address: | Woodland | l Trail | | | |
| County: | Putnam | | 60% Submission Date: | | |
| Municipality: | Carmel | | 100% Submission Date: | | |
| Supervisor: | Kenneth S | Schmitt | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Stormfilter Stabilization | r, Channel on | Field Recon Date: | 6/1/2018 | |
| Revised Retrofit: | | | Associated Permits: | Protection of | of Waters |
| Original P Removal: | 32.80 | kg/yr | Proposed Drainage Area: | N/A | acres |
| Revised P Removal: | 32.80 | kg/yr | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| | | | | | |
| | | TBD TBD | | | |
| Agreements: | | | | | |



2 NYS Route 164 Patterson, NY 12563 Tel: 845-319-6349

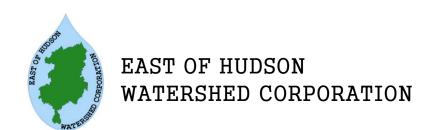
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Prepared by: Kevin Fitzpatrick, PE

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EOHWC Year 6(2017) Project Summary - Interim

| | O(ZOTT) | . 0,00 | · · · · · · · · · · · · · · · · · · · | 1111011111 | | | |
|--|----------------|---------|---------------------------------------|-------------------|-------------|-------------------|------------------|
| Project ID: | Kent-MB-6 | 01 | | Project Status: | | Design | |
| Common Name: | Montrose D | Orive | | | | | |
| Watershed: | Middle Bra | nch | | | | | |
| Site Owner: | Town of Ke | ent | | Design Enginee | er: | Lawerence P | aggi Engineering |
| Site Address: | 640 NYS R | te 52 | | | | | |
| County: | Putnam | | | 60% Submissio | n Date: | | |
| Municipality: | Kent | | | 100% Submissi | on Date: | | |
| Supervisor: | Maureen F | lemming | 9 | Record Document I | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Multiple Po | nd | | Field Recon Da | te: | | |
| Revised Retrofit: | Multiple Po | nds | | Associated Peri | mits: | None | |
| Original P Removal: | 20.50 | kg/yr | | Proposed Drain | age Area: | 54.10 | acres |
| Revised P Removal: | 12.67 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| Construction Start date: TBD Construction Completion date: TBD | | | | | | | |
| Agreements: | | | | | | | |
| Municipal Reimburser | nent Complete? | N/A N | /lunicipal Installat | ion Complete? | No Pri | vate Installation | Complete? N/A |



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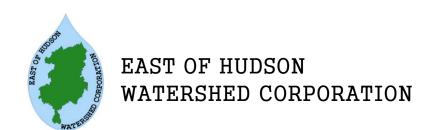
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EOHWC Year 6(2017) Project Summary - Interim

| | ` | | | | |
|--------------------------------------|------------------------|--------------------------|-----------------------------|--------------------|----|
| Project ID: | Kent-MB- | 602 | Project Status: | Construction | |
| Common Name: | Haviland Rd Outfall | | | | |
| Watershed: | Middle Bra | anch | | | |
| Site Owner: | Town of K | ent Parks | Design Engineer: | Insite Engineering | |
| Site Address: | 60 Havilar | nd Rd | | | |
| County: | Putnam | | 60% Submission Date: | | |
| Municipality: | Kent | | 100% Submission Date: | | |
| Supervisor: | Maureen F | Flemming | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Channel S Wetland | Stabilization, Pocket | Field Recon Date: | 7/14/2017 | |
| Revised Retrofit: | Channel S Pocket We | Stabilization and etland | Associated Permits: | None | |
| Original P Removal: | 5.40 | kg/yr | Proposed Drainage Area: | N/A acre | es |
| Revised P Removal: | 7.23 | kg/yr | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| | | | | | |
| | | 10/1/2018 TBD | | | |

Agreements:

Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No



Agreements:

2 NYS Route 164 Patterson, NY 12563

Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? N/A

Print Date: February 1, 2019

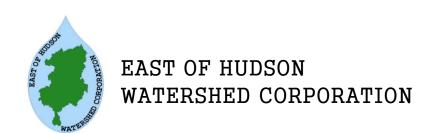
Prepared by: Kevin Fitzpatrick, PE Checked by:

Yes

EOHWC Year 7(2018) Project Summary - Interim

Municipal Reimbursement Complete? Yes Municipal Installation Complete?

| Kent-MB-7 | 701 | Project Status: | Complete | |
|---|---|---|---|---|
| Lake Carm | nel Outfall | | · | |
| Middle Bra | nch | | | |
| Town of Ke | ent Parks | Design Engineer: | Insite Engineering | |
| | | | | |
| Putnam | | 60% Submission Date: | BY TOWN | |
| Kent | | 100% Submission Date: | BY TOWN | |
| Maureen F | Temming | Record Document Rec'd Date: | N/A | |
| Bank Stabi | ilization | Field Recon Date: | | |
| Bank Stabilization | | Associated Permits: | None | |
| 16.10 | kg/yr | Proposed Drainage Area: | N/A | acres |
| 16.10 | kg/yr | | | |
| 16.10 | kg/yr | | | |
| | | | | |
| Construction Start date: Construction Completion date: | | | | |
| | Lake Carm Middle Bra Town of Ke Putnam Kent Maureen F Bank Stab 16.10 16.10 16.10 | Kent Maureen Flemming Bank Stabilization Bank Stabilization 16.10 kg/yr 16.10 kg/yr 16.10 kg/yr | Lake Carmel Outfall Middle Branch Town of Kent Parks Design Engineer: Putnam 60% Submission Date: Kent 100% Submission Date: Maureen Flemming Record Document Rec'd Date: Bank Stabilization Field Recon Date: Bank Stabilization Associated Permits: Proposed Drainage Area: 16.10 kg/yr 16.10 kg/yr 16.10 kg/yr BY TOWN | Lake Carmel Outfall Middle Branch Town of Kent Parks Design Engineer: Insite Engin Putnam 60% Submission Date: BY TOWN Kent 100% Submission Date: BY TOWN Maureen Flemming Record Document Rec'd Date: N/A Bank Stabilization Field Recon Date: None Bank Stabilization Associated Permits: Proposed Drainage Area: N/A 16.10 kg/yr 16.10 kg/yr 16.10 kg/yr BY TOWN |



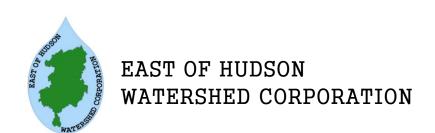
Tel: 845-319-6349 Fax: 845-319-6391

Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

Checked by:

EOHWC Year 7(2018) Project Summary - Interim

| LOTIVO TEAT | 7(2010) | <u> </u> | ct Guillillai y | - IIICIIII | | | |
|--|----------------|------------|----------------------------|-----------------|-------------|-------------------|--------------|
| Project ID: | L-CR-701 | | _ | Project Status: | | Concept | |
| Common Name: | Lewisboro | Eleme | ntary School | | | | |
| Watershed: | Cross Rive | r | | | | | |
| Site Owner: | Katonah-Lev | wisbord | School District | Design Engine | er: | | |
| Site Address: | 79 Bouton | Rd | | | | | |
| County: | Westcheste | er | | 60% Submission | n Date: | | |
| Municipality: | Lewisboro | | | 100% Submiss | ion Date: | | |
| Supervisor: | Peter Parse | ons | | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Catch Basi | n Inse | rts | Field Recon Da | ite: | | |
| Revised Retrofit: | | | | Associated Per | mits: | None | |
| Original P Removal: | 1.18 | kg/yr | | Proposed Drain | nage Area: | N/A | acres |
| Revised P Removal: | 2.35 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start date: Construction Completion date: | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: | | | | | | | |
| Municipal Reimbursen | nent Complete? | N/A | Municipal Installat | tion Complete? | No Pri | vate installation | Complete? No |



Municipal Reimbursement Complete? N/A

2 NYS Route 164 Patterson, NY 12563

Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? No

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Prepared by: Kevin Fitzpatrick, PE

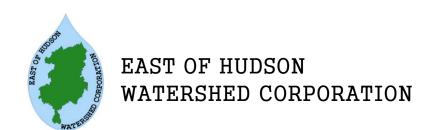
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EOHWC Year 7(2018) Project Summary - Interim

| <u> </u> | 7 (2010) | r rojest sammary | medimi | | | |
|---|---------------------|---------------------|-----------------------------|----------------|-------|--|
| Project ID: | L-MU-715 | | Project Status: | Design | | |
| Common Name: | Goldens B | ridge Train Station | | | | |
| Watershed: | Muscoot | | | | | |
| Site Owner: | NYCDEP/N | MTA | Design Engineer: | KC Engineering | | |
| Site Address: | 1 Old Bedf | ord Rd | | | | |
| County: | Westchest | er | 60% Submission Date: | | | |
| Municipality: | Lewisboro | | 100% Submission Date: | | | |
| Supervisor: | Peter Pars | ons | Record Document Rec'd Date: | N/A | | |
| Original Proposed Retrofit: | Catch Basi | in Inserts | Field Recon Date: | | | |
| Revised Retrofit: | Catch Basin Inserts | | Associated Permits: | None | | |
| Original P Removal: | 5.62 | | Proposed Drainage Area: | 5.25 | acres | |
| Revised P Removal: | N/A | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| | | | | | | |
| Construction Start date: Construction Completion date: | | TBD TBD | | | | |
| Agreements: | | | | | | |

Municipal Installation Complete?

No



Municipal Reimbursement Complete? N/A

2 NYS Route 164 Patterson, NY 12563

Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? N/A

Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

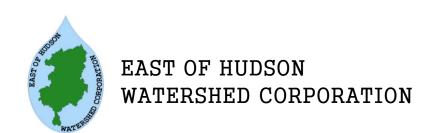
Checked by:

EOHWC Year 4 (2013) Project Summary - Interim

| Project ID: | MK-NC-22 | 2 | Project Status: | Construction | on | |
|--|----------------------------------|----------------------------|-----------------------------|--------------------|---------------------------|--|
| Common Name: | Leonard P | Park | | | | |
| Watershed: | New Croto | on | | | | |
| Site Owner: | Village of | Mt Kisco | Design Engineer: | Rennia Engi | Rennia Engineering Design | |
| Site Address: | Leonard Park | Parking Area & Tennis Cts. | | | | |
| County: | Westches | ter | 60% Submission Date: | 4/28/2014 | | |
| Municipality: | Mt. Kisco | | 100% Submission Date: | 7/31/2015 | | |
| Supervisor: | Gina Mari | e Pacinich | Record Document Rec'd Date: | TBD | | |
| Original Proposed Retrofit: | Bioretentio | on/Wet Pond | Field Recon Date: | | | |
| Revised Retrofit: | Bioretention/Surface Sand Filter | | Associated Permits: | Stream Disturbance | | |
| Original P Removal: | 4.80 | kg/yr | Proposed Drainage Area: | 30.42 | acres | |
| Revised P Removal: | 8.50 | kg/yr | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| | | | | | | |
| Construction Start date: Construction Completion date: | | TBD TBD | | | | |
| | | | | | | |
| Agreements: | | | | | | |

Municipal Installation Complete?

Yes



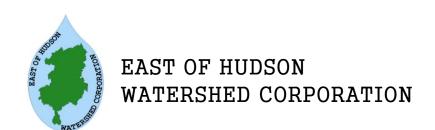
Tel: 845-319-6349 Fax: 845-319-6391

Print Date: February 1, 2019

Prepared by: Kevin Fitzpatrick, PE Checked by:

EOHWC Year 6(2017) Project Summary - Interim

| LOTTIVE TEAT | U[ZUII] | i i Uje | ct Summary | - III(CIIIII | | | |
|---|-------------|------------|------------|-----------------|-------------|---------|-------|
| Project ID: | MK-NC-60 | 1 | | Project Status: | | Design | |
| Common Name: | Village Hal | I | | | | | |
| Watershed: | New Croto | n | | | | | |
| Site Owner: | Multiple ov | ners | | Design Engine | er: | BY TOWN | |
| Site Address: | 104 Main S | Street | | | | | |
| County: | Westchest | er | | 60% Submissio | n Date: | | |
| Municipality: | Mount Kisc | Ю | | 100% Submissi | ion Date: | | |
| Supervisor: | J. Michael | Cindric | ch | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Sand Filter | S | | Field Recon Da | ite: | | |
| Revised Retrofit: | Catch Basi | n Inse | rts | Associated Per | mits: | None | |
| Original P Removal: | 4.41 | kg/yr | | Proposed Drain | nage Area: | 4.26 | acres |
| Revised P Removal: | 4.45 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | TDD | | | | | |
| Construction Start date: Construction Completion date: | | TBD TBD | | | | | |
| Agreements: | | | | | | | |
| Municipal Reimbursement Complete? No Municipal Installation Complete? No Private Installation Complete? N/A | | | | | | | |
| | | | | | | | |



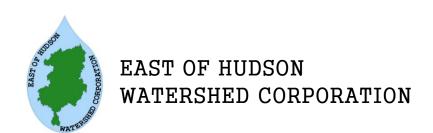
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Prepared by: Kevin Fitzpatrick, PE

Checked by:

EOHWC Year 6(2017) Project Summary - Interim

| <u> </u> | <u> </u> | r oject Gammar y | | | | |
|--|-------------|------------------|-----------------------------|------------|--|--|
| Project ID: | MK-NC-60 | 2 | Project Status: | Postponed | | |
| Common Name: | Mt. Kisco C | Commons | | | | |
| Watershed: | New Croto | n | | | | |
| Site Owner: | Urban Edg | e Properties | Design Engineer: | | | |
| Site Address: | 195 North I | Bedford Rd | | | | |
| County: | Westcheste | er | 60% Submission Date: | | | |
| Municipality: | Mount Kisc | 0 | 100% Submission Date: | | | |
| Supervisor: | J. Michael | Cindrich | Record Document Rec'd Date: | N/A | | |
| Original Proposed Retrofit: | StormBasin | n | Field Recon Date: | | | |
| Revised Retrofit: | Catch Basi | n Inserts | Associated Permits: | None | | |
| Original P Removal: | 16.23 | kg/yr | Proposed Drainage Area: | 9.90 acres | | |
| Revised P Removal: | 10.76 | kg/yr | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| Construction Start da Construction Comple | | TBD TBD | | | | |
| Agreements: | | | | | | |
| Municipal Reimbursement Complete? No Municipal Installation Complete? No Private Installation Complete? No | | | | | | |



Municipal Reimbursement Complete? N/A

2 NYS Route 164 Patterson, NY 12563

Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? N/A

Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

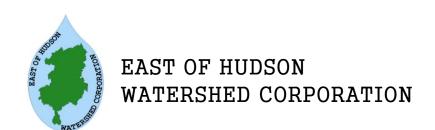
Checked by:

EOHWC Year 5 (2014) Project Summary - Interim

| Project ID: | NewC-NC | R-33A | Project Status: | Design | | |
|--|-----------------------|----------------|-----------------------------|-----------------------------|-------|--|
| Common Name: | Burden Pr | eserve | | | | |
| Watershed: | New Croto | n | | | | |
| Site Owner: | Town of N | ew Castle | Design Engineer: | Municipal Engineer | | |
| Site Address: | Harriman I | Rd/Sheather Rd | | | | |
| County: | Westchest | er | 60% Submission Date: | | | |
| Municipality: | New Castl | е | 100% Submission Date: | 4.25.17 | | |
| Supervisor: | Robert Gre | eenstein | Record Document Rec'd Date: | TBD | | |
| Original Proposed Retrofit: | Channel Stabilization | | Field Recon Date: | | | |
| Revised Retrofit: | Channel S | tabilization | Associated Permits: | Wetlands Permit E&SC Permit | | |
| Original P Removal: | 3.11 | kg/yr | Proposed Drainage Area: | 10.00 | acres | |
| Revised P Removal: | 9.43 | kg/yr | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| | | | | | | |
| Construction Start date: Construction Completion date: | | TBD TBD | | | | |
| Coou doubt Complete | acr. dato. | 100 | | | | |
| Agreements: | | | | | | |

Municipal Installation Complete?

Yes



Municipal Reimbursement Complete? N/A

2 NYS Route 164 Patterson, NY 12563

Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? N/A

Print Date: February 1, 2019

Prepared by: Kevin Fitzpatrick, PE

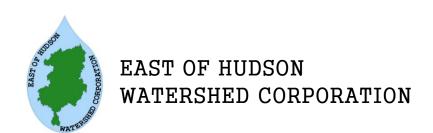
Checked by:

Yes

EOHWC Year 5 (2014) Project Summary - Interim

| | - 1 7 | | | | |
|--------------------------------------|-----------------------|----------------|-----------------------------|----------------------------|---------|
| Project ID: | NewC-NC | R-33B | Project Status: | Design | |
| Common Name: | Burden Pr | eserve | | | |
| Watershed: | New Croto | on | | | |
| Site Owner: | Town of N | ew Castle | Design Engineer: | Municipal E | ngineer |
| Site Address: | Harriman I | Rd/Sheather Rd | | | |
| County: | Westchest | ter | 60% Submission Date: | | |
| Municipality: | New Castl | е | 100% Submission Date: | 4.25.17 | |
| Supervisor: | Robert Gre | eenstein | Record Document Rec'd Date: | TBD | |
| Original Proposed Retrofit: | Channel S | Stabilization | Field Recon Date: | | |
| Revised Retrofit: | Channel Stabilization | | Associated Permits: | Wetland Permit E&SC Permit | |
| Original P Removal: | 3.11 | kg/yr | Proposed Drainage Area: | 2.78 | acres |
| Revised P Removal: | 4.68 | kg/yr | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| | | | | | |
| | | TBD TBD | | | |
| A | | | | | |
| Agreements: | | | | | |

Municipal Installation Complete?

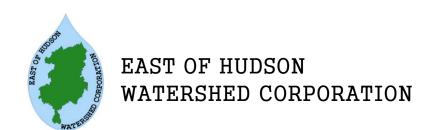


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Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

Checked by:

| Project ID: | NewC-NCI | R-601 | Project Status: | Concept | |
|--------------------------------------|----------------|------------------------|-----------------------------|---------------------|--------------|
| • | | | 1 Toject Status. | Concept | |
| Common Name: | Sheather F | | | | |
| Watershed: | New Croto | n | | | |
| Site Owner: | Town of No | ew Castle | Design Engineer: | | |
| Site Address: | Burden Pre | eserve | | | |
| County: | Westchest | er | 60% Submission Date: | | |
| Municipality: | New Castle | е | 100% Submission Date: | | |
| Supervisor: | Robert Gre | eenstein | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Bank Stab | ilization | Field Recon Date: | | |
| Revised Retrofit: | | | Associated Permits: | None | |
| Original P Removal: | 24.00 | | Proposed Drainage Area: | N/A | acres |
| Revised P Removal: | N/A | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| | | | | | |
| Construction Start da | | TBD | | | |
| Construction Comple | tion date: | TBD | | | |
| Agreements: | | | | | |
| Municipal Reimbursen | nent Complete? | NI/Δ Municinal Install | ation Complete? No Pr | rivate Installation | Complete? N/ |



Municipal Reimbursement Complete? No

2 NYS Route 164 Patterson, NY 12563

Tel: 845-319-6349

Fax: 845-319-6391

Private Installation Complete? No

Print Date: February 1, 2019

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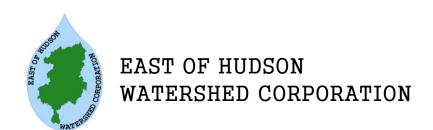
Checked by:

No

EOHWC Year 7(2018) Project Summary - Interim

| Project ID: | NewC-NC | R-701 | Project Status: | Construction |) |
|--------------------------------------|------------|-------------|-----------------------------|----------------|-------|
| Common Name: | Chappaqu | a Crossings | | | |
| Watershed: | New Croto | n | | | |
| Site Owner: | Private | | Design Engineer: | BY TOWN | |
| Site Address: | Chappaqu | a Crossings | | | |
| County: | Westchest | er | 60% Submission Date: | BY TOWN | |
| Municipality: | New Castl | е | 100% Submission Date: | BY TOWN | |
| Supervisor: | Robert Gre | eenstein | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Multiple | | Field Recon Date: | | |
| Revised Retrofit: | | | Associated Permits: | None | |
| Original P Removal: | 7.70 | kg/yr | Proposed Drainage Area: | N/A | acres |
| Revised P Removal: | 7.70 | kg/yr | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| | | | | | |
| Construction Start da | | BY TOWN | | | |
| Construction Comple | tion date: | BY TOWN | | | |
| Agreements: | | | | | |

Municipal Installation Complete?



Municipal Reimbursement Complete? N/A

2 NYS Route 164

Patterson, NY 12563 Tel: 845-319-6349

Fax: 845-319-6391

Private Installation Complete? No

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Prepared by: Kevin Fitzpatrick, PE

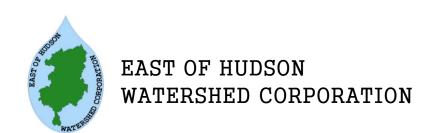
Checked by:

No

EOHWC Year 3 (2012) Project Summary - Interim

| Project ID: | NS-MU-11 | | Project Status: | Cancelled | |
|--------------------------------------|------------|---------------------|-----------------------------|-----------------------|-------|
| Common Name: | Route 22 8 | & Route 116 | | | |
| Watershed: | Muscoot | | | | |
| Site Owner: | NYCDEP | | Design Engineer: | O'Brien & G | Sere |
| Site Address: | Hardscrab | ble Rd & Titicus Rd | | | |
| County: | Westchest | ter | 60% Submission Date: | 6/17/2013 | |
| Municipality: | North Sale | em | 100% Submission Date: | 7/1/2016 | |
| Supervisor: | Warren Lu | icas | Record Document Rec'd Date: | TBD | |
| Original Proposed Retrofit: | Extended | Detention Pond | Field Recon Date: | 8/12/2009 | |
| Revised Retrofit: | Extended | Detention Pond | Associated Permits: | Land Use P Perm 33 | ermit |
| Original P Removal: | 2.00 | kg/yr | Proposed Drainage Area: | 43.00 | acres |
| Revised P Removal: | 5.80 | kg/yr | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| | | | | | |
| Construction Start da | | TBD | | | |
| Construction Comple | tion date: | TBD | | | |
| Agreements: | | | | | |

Municipal Installation Complete?



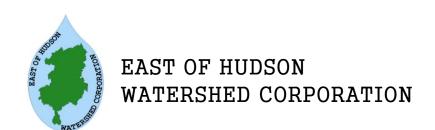
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Prepared by: Kevin Fitzpatrick, PE

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| LOTIVIC Tear | EOHWC Year 6(2017) Project Summary - Interim | | | | | | | |
|---|--|--------------------|---------|-----------------------------|------------------|-----------------|--|--|
| Project ID: | NS-MU-60 |)1 | | Project Status: | Design | | | |
| Common Name: | Keeler Lar | ne | | | | | | |
| Watershed: | Muscoot | Muscoot | | | | | | |
| Site Owner: | Multiple ov | vners | | Design Engineer: | Insite En | gineering | | |
| Site Address: | Multiple ac | ddresses | | | | | | |
| County: | Westchest | er | | 60% Submission Date: | | | | |
| Municipality: | North Sale | em | | 100% Submission Date: | | | | |
| Supervisor: | Warren Lu | cas | | Record Document Rec'd Date: | N/A | | | |
| Original Proposed Retrofit: | Channel S | | | Field Recon Date: | | | | |
| Revised Retrofit: | Channel S | tabilization | | Associated Permits: | None | | | |
| Original P Removal: | 17.65 | kg/yr | | Proposed Drainage Area: | N/A | acres | | |
| Revised P Removal: | 54.57 | kg/yr | | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | | |
| | | | | | | | | |
| Construction Start date: TBD Construction Completion date: TBD | | | | | | | | |
| | | | | | | | | |
| Agreements: | ant Camplete | NI/A Municipal Inc | atallat | tion Complete? No Dr | ivoto Inotolloti | on Complete? No | | |
| Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | | | | |

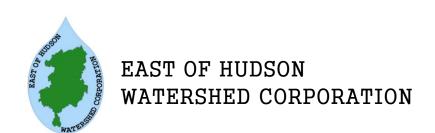


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Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

Checked by:

| LOTIVO TEAT | <u>/(2010) </u> | , oje | ct Gairmnary | - IIICIIIII | | | |
|---|---|------------|-------------------------|-----------------|-------------|-----------|-------|
| Project ID: | NS-MU-70 | 1 | | Project Status: | | Design | |
| Common Name: | Croton Fall | s Trair | n Station | | | | |
| Watershed: | Muscoot | | | | | | |
| Site Owner: | NYCDEP | | | Design Engine | er: | KC Engine | ering |
| Site Address: | Back Stree | t | | | | | |
| County: | Westcheste | er | | 60% Submission | n Date: | | |
| Municipality: | North Sale | m | | 100% Submiss | ion Date: | | |
| Supervisor: | Warren Luc | cas | | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Catch Basi | n Inse | rts | Field Recon Da | ite: | | |
| Revised Retrofit: | | | | Associated Per | mits: | None | |
| Original P Removal: | 1.98 | kg/yr | | Proposed Drain | age Area: | N/A | acres |
| Revised P Removal: | 3.96 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start da Construction Comple | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: | | | | | | | |
| Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | | | |

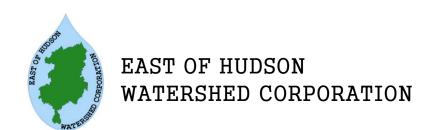


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Prepared by: Kevin Fitzpatrick, PE

Checked by:

| Project ID: | NS-MU-7 | 702 | | Project Status: | Design | |
|--------------------------------------|--------------|------------------|---------------|-----------------------------|-----------------|-------------------|
| Common Name: | Purdys T | rain Station | | | - | |
| Watershed: | Muscoot | | | | | |
| Site Owner: | NYCDEF | • | | Design Engineer: | KC Eng | ineering |
| Site Address: | Route 11 | 6 | | | | |
| County: | Westche | ster | | 60% Submission Date: | | |
| Municipality: | North Sa | lem | | 100% Submission Date: | | |
| Supervisor: | Warren L | ucas | | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Catch Ba | sin Inserts | | Field Recon Date: | | |
| Revised Retrofit: | | | | Associated Permits: | None | |
| Original P Removal: | 3.21 | kg/yr | | Proposed Drainage Area: | N/A | acres |
| Revised P Removal: | 6.42 | kg/yr | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| Construction Start da | te: | TBD | | | | |
| Construction Comple | tion date: | TBD | | | | |
| A t | | | | | | |
| Agreements: Municipal Reimbursen | nent Complet | -a2 NI/Δ Municii | nal Installat | tion Complete? No P | rivate Installa | ition Complete? N |



Municipal Reimbursement Complete? N/A

2 NYS Route 164 Patterson, NY 12563

Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? N/A

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Prepared by: Kevin Fitzpatrick, PE

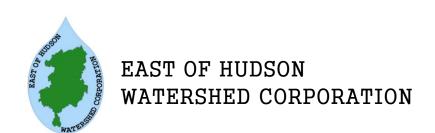
Checked by:

EOHWC Year 4 (2013) Project Summary - Interim

| Pat-EB-09 |)-03B | Project Status: | Postponed | | |
|------------------------|--|---|---|---|--|
| Veterans Memorial Park | | | | | |
| East Brand | ch | | | | |
| Town of Pa | atterson | Design Engineer: | Lawrence J. | Lawrence J. Paggi | |
| North Stree | t, Patterson, NY 12563 | | | | |
| Putnam | | 60% Submission Date: | 2/27/2014 | | |
| Patterson | | 100% Submission Date: | 7/30/2015 | | |
| Michael G | riffin | Record Document Rec'd Date: | TBD | | |
| Bioretention | | Field Recon Date: | | | |
| Organic Fi | lter (F-4) | Associated Permits: | None | | |
| 1.51 | kg/yr | Proposed Drainage Area: | 9.40 | acres | |
| 1.80 | kg/yr | | | | |
| TBD | kg/yr | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | Veterans M East Brand Town of Pa North Stree Putnam Patterson Michael Gr Bioretentic Organic Fi 1.51 1.80 TBD | East Branch Town of Patterson North Street, Patterson, NY 12563 Putnam Patterson Michael Griffin Bioretention Organic Filter (F-4) 1.51 kg/yr 1.80 kg/yr TBD kg/yr TBD kg/yr | Veterans Memorial Park East Branch Town of Patterson North Street, Patterson, NY 12563 Putnam Patterson Michael Griffin Bioretention Organic Filter (F-4) 1.51 kg/yr 1.80 kg/yr TBD kg/yr TBD kg/yr TBD Design Engineer: 008 Submission Date: Record Document Rec'd Date: Field Recon Date: Associated Permits: Proposed Drainage Area: TBD | Veterans Memorial Park East Branch Town of Patterson North Street, Patterson, NY 12563 Putnam 60% Submission Date: 2/27/2014 Patterson 100% Submission Date: 7/30/2015 Michael Griffin Record Document Rec'd Date: TBD Bioretention Field Recon Date: Organic Filter (F-4) Associated Permits: None 1.51 kg/yr 1.80 kg/yr TBD kg/yr TBD kg/yr TBD kg/yr TBD kg/yr | |

Municipal Installation Complete?

No



Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? No

Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

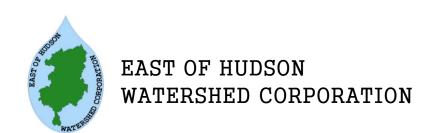
Checked by:

No

EOHWC Year 6(2017) Project Summary - Interim

Municipal Reimbursement Complete? N/A Municipal Installation Complete?

| <u> Lommo rear</u> | <u> 0[2017)</u> | r roject Gammary | 111011111 | | | |
|--|-----------------|------------------|-----------------------------|----------------|-------|--|
| Project ID: | Pat-EB-60 |)1 | Project Status: | Design | | |
| Common Name: | Valley Rd | | | | | |
| Watershed: | East Bran | ch | | | | |
| Site Owner: | Multiple ov | wners | Design Engineer: | KC Engineering | | |
| Site Address: | Multiple ad | ddresses | | | | |
| County: | Putnam | | 60% Submission Date: | | | |
| Municipality: | Patterson | | 100% Submission Date: | | | |
| Supervisor: | Richard W | /illiams | Record Document Rec'd Date: | N/A | | |
| Original Proposed Retrofit: | Multiple Ponds | | Field Recon Date: | | | |
| Revised Retrofit: | Multiple P | onds | Associated Permits: | CPDP | | |
| Original P Removal: | 19.80 | kg/yr | Proposed Drainage Area: | 96.40 | acres | |
| Revised P Removal: | 19.80 | kg/yr | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| | | | | | | |
| Construction Start date: TBD Construction Completion date: TBD | | TBD TBD | | | | |
| | | | | | | |
| Agreements: | | | | | | |

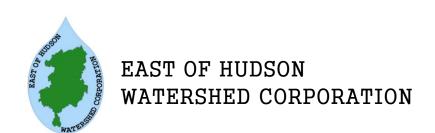


Tel: 845-319-6349 Fax: 845-319-6391

Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

Checked by:

| <u> </u> | O(ZOTT) | i roject Gairinnary | mem | | | |
|--|------------|---------------------|-----------------------------|-----------------------------|--|--|
| Project ID: | Pat-EB-60 | 2 | Project Status: | Design | | |
| Common Name: | Dayton Rd | | | | | |
| Watershed: | East Brand | h | | | | |
| Site Owner: | Town of Pa | atterson | Design Engineer: | Lawerence Paggi Engineering | | |
| Site Address: | Dayton Rd | | | | | |
| County: | Putnam | | 60% Submission Date: | | | |
| Municipality: | Patterson | | 100% Submission Date: | | | |
| Supervisor: | Richard W | illiams | Record Document Rec'd Date: | N/A | | |
| Original Proposed Retrofit: | Channel S | tabilization | Field Recon Date: | | | |
| Revised Retrofit: | Channel S | tabilisation | Associated Permits: | None | | |
| Original P Removal: | 11.63 | kg/yr | Proposed Drainage Area: | N/A acres | | |
| Revised P Removal: | 11.63 | kg/yr | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| Construction Start da Construction Comple | | TBD TBD | | | | |
| Agreements: Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | | |

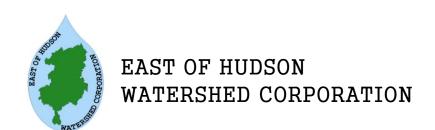


Tel: 845-319-6349 Fax: 845-319-6391

Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

Checked by:

| LOTTIVE TEAT | U[ZUII] | Froject Summar | y - miterim | | |
|---|------------|-------------------------|-----------------------------|------------------------------------|--|
| Project ID: | Pat-EB-60 |)3 | Project Status: | Design | |
| Common Name: | Lost Lake | | | | |
| Watershed: | East Brand | ch | | | |
| Site Owner: | Lost Lake, | Inc. | Design Engineer: | KC Engineering | |
| Site Address: | | | | | |
| County: | Putnam | | 60% Submission Date: | | |
| Municipality: | Patterson | | 100% Submission Date: | | |
| Supervisor: | Richard W | illiams | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Channel S | tabilization | Field Recon Date: | | |
| Revised Retrofit: | Channel S | tabilization | Associated Permits: | None | |
| Original P Removal: | 14.60 | kg/yr | Proposed Drainage Area: | N/A acres | |
| Revised P Removal: | 14.60 | kg/yr | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| | | | | | |
| Construction Start da Construction Comple | | TBD TBD | | | |
| _ | | | | | |
| Agreements: | | NI/A Municipal Installe | otion Complete? No D | vivote Installation Complete 2 No. | |
| Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | |



2 NYS Route 164 Patterson, NY 12563 Tel: 845-319-6349

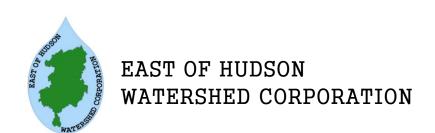
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Print Date: February 1, 2019

Prepared by: Kevin Fitzpatrick, PE

Checked by:

| LOTTIVE TEAT | /(2010) I | 10JE | ct Summary | - IIIICIIIII | | | |
|---|-------------|------------|---------------------|-----------------|-------------|-------------------|---------------|
| Project ID: | Pat-EB-70 | 1 | _ | Project Status: | | Design | |
| Common Name: | Patterson 7 | Γrain S | tation | | | | |
| Watershed: | East Branc | h | | | | | |
| Site Owner: | MTA | | | Design Engine | er: | KC Engine | ering |
| Site Address: | Front Stree | et | | | | | |
| County: | Putnam | | | 60% Submission | on Date: | | |
| Municipality: | Patterson | | | 100% Submiss | ion Date: | | |
| Supervisor: | Richard Wi | lliams | | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Catch Basi | n Inse | rts | Field Recon Da | ate: | | |
| Revised Retrofit: | | | | Associated Per | mits: | None | |
| Original P Removal: | 1.71 | kg/yr | | Proposed Drain | nage Area: | N/A | acres |
| Revised P Removal: | 1.71 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start da Construction Complete | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: | | NI/A | Municipal Installat | ion Complete? | No Driv | vota Installation | Complete 2 No |
| Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | | | |

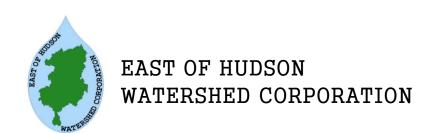


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|---|-------------|------------|---------------------|-----------------|-------------|-------------|-------|
| Project ID: | Pat-MB-71 | 5 | | Project Status: | | Concept | |
| Common Name: | Gottwald P | ropert | y | | | | |
| Watershed: | Middle Bra | nch | | | | | |
| Site Owner: | | | | Design Engine | er: | Kellard Ses | sions |
| Site Address: | 384 Fair St | reet | | | | | |
| County: | Putnam | | | 60% Submission | n Date: | | |
| Municipality: | Patterson | | | 100% Submiss | ion Date: | | |
| Supervisor: | Richard Wi | lliams | | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Pocket Por | nd | | Field Recon Da | ite: | | |
| Revised Retrofit: | | | | Associated Per | mits: | None | |
| Original P Removal: | 5.92 | kg/yr | | Proposed Drain | age Area: | N/A | acres |
| Revised P Removal: | 5.92 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start da Construction Complete | | TBD TBD | | | | | |
| _ | | | | | | | |
| Agreements: | | | | | | | |
| Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | | | |



Agreements:

2 NYS Route 164 Patterson, NY 12563

Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? N/A

Print Date: February 1, 2019

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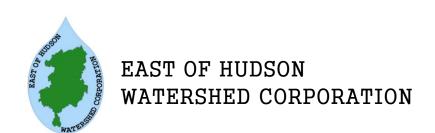
Checked by:

No

EOHWC Year 7(2018) Project Summary - Interim

Municipal Reimbursement Complete? Yes Municipal Installation Complete?

| | / (= 0 / 0 / | i reject Carriniar y | | | |
|--|-------------------------|--------------------------|-----------------------------|--------------------|-------|
| Project ID: | PC-MB-7 | 701 | Project Status: | Construction | n |
| Common Name: | Tilly Fost | er Farm | | | |
| Watershed: | Middle B | ranch | | | |
| Site Owner: | Putnam (| County | Design Engineer: | Insite Engineering | |
| Site Address: | NYS Rou | ıte 312 | | | |
| County: | Putnam | | 60% Submission Date: | BY COUNT | Υ |
| Municipality: | Putnam (| County | 100% Submission Date: | BY COUNT | Υ |
| Supervisor: | Maryelle | n O'Dell | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Wet ED I | Pond and Channel iion | Field Recon Date: | | |
| Revised Retrofit: | Wet ED I Stabilizat | Pond and Channel tion | Associated Permits: | None | |
| Original P Removal: | 12.64 | kg/yr | Proposed Drainage Area: | 10.60 | acres |
| Revised P Removal: | 21.44 | kg/yr | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| Construction Start da Construction Comple | | By County By County | | | |

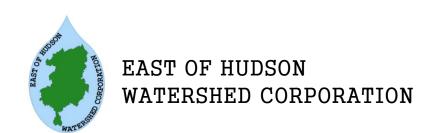


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Prepared by: Kevin Fitzpatrick, PE

Checked by:

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|--|----------------|----------------------------|-----------------------------|---------------------------------|----------------|
| Project ID: | PR-CR-60 | 1 | Project Status: | Concept | |
| Common Name: | Cross Rd | | | | |
| Watershed: | Cross Rive | r | | | |
| Site Owner: | | | Design Engineer: | | |
| Site Address: | Cross Rd a | and Route 121 | | | |
| County: | Westcheste | er | 60% Submission Date: | | |
| Municipality: | Pound Ride | ge | 100% Submission Date: | | |
| Supervisor: | Kevin Hans | san | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Bank Stabi | lization | Field Recon Date: | | |
| Revised Retrofit: | | | Associated Permits: | None | |
| Original P Removal: | 21.30 | | Proposed Drainage Area: | N/A | acres |
| Revised P Removal: | N/A | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| | | | | | |
| Construction Start da Construction Complete | | TBD TBD | | | |
| • | | | | | |
| Agreements: Municipal Reimbursem | ont Complete? | N/A Municipal Installa | ition Complete? No Pr | ivate Installation | Complete 2 No. |
| wunicipal Kelinbulsell | ient combietes | IN/A IVIUITICIPALITISTALIA | mon combiere: 140 Li | ival e iristaliation | Combiere: 140 |

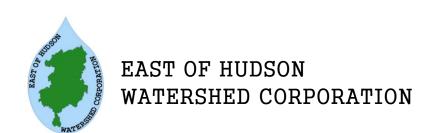


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Prepared by: Kevin Fitzpatrick, PE

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| <u> LOTTITO TEAT</u> | 7(2010) | r roject Garrinar | / - IIItGI IIII | |
|---|----------------|------------------------|-----------------------------|-----------------------------------|
| Project ID: | PR-CR-70 | 1 | Project Status: | Design |
| Common Name: | Parkview D | Orive | | |
| Watershed: | Cross Rive | er | | |
| Site Owner: | | | Design Engineer: | P&D Consulting Engineers, P.C. |
| Site Address: | 114 Parkvi | ew Drive | | |
| County: | Westchest | er | 60% Submission Date: | |
| Municipality: | Pound Rid | ge | 100% Submission Date: | |
| Supervisor: | Kevin Hans | san | Record Document Rec'd Date: | N/A |
| Original Proposed Retrofit: | Channel S | tabilization | Field Recon Date: | |
| Revised Retrofit: | Channel S | tabilization | Associated Permits: | None |
| Original P Removal: | 1.39 | kg/yr | Proposed Drainage Area: | N/A acres |
| Revised P Removal: | 1.39 | kg/yr | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | |
| | | | | |
| Construction Start da Construction Comple | | TBD TBD | | |
| | | | | |
| Agreements: | | NI/A Municipal Install | ation Commisted No. 5 | inata Installation Commists 2 No. |
| Municipal Reimbursen | nent Complete? | N/A Municipal Installa | ation Complete? No Pr | ivate Installation Complete? No |



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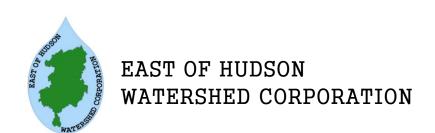
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EOHWC Year 7(2018) Project Summary - Interim

| Droiget ID: | PR-CR- | | y Community | Project Status: | Doolan | |
|---|-------------|------------|---------------------|-----------------------------|-------------------|------------------------|
| Project ID: | | | | Project Status: | Design | |
| Common Name: | Dingee F | Road | | | | |
| Watershed: | Cross R | ver | | | | |
| Site Owner: | | | | Design Engineer: | P&D Consu | Ilting Engineers, P.C. |
| Site Address: | 26 Dinge | ee Road | | | | |
| County: | Westche | ster | | 60% Submission Date: | | |
| Municipality: | Pound R | idge | | 100% Submission Date: | | |
| Supervisor: | Kevin Ha | ansan | | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Channel | Stabilizat | ion | Field Recon Date: | | |
| Revised Retrofit: | Channel | Stabiliza | ion | Associated Permits: | None | |
| Original P Removal: | 2.31 | kg/yr | | Proposed Drainage Area: | N/A | acres |
| Revised P Removal: | 2.31 | kg/yr | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| | | | | | | |
| Construction Start da Construction Comple | | TBD TBD | | | | |
| Agraamanta | | | | | | |
| Agreements: Municipal Reimbursen | nent Comple | to2 N/Δ | Municipal Installat | ion Complete? No I | Private Installat | ion Complete? No |

Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No

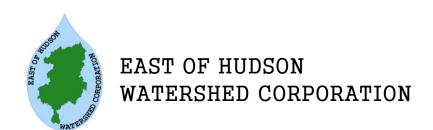


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Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

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|---|----------------|------------|-------------------------|-------------------|------------|-------------------|---------------|
| Project ID: | PW-EB-70 | 1 | _ | Project Status: | | Concept | |
| Common Name: | 25 South S | treet | | | | | |
| Watershed: | East Branc | h | | | | | |
| Site Owner: | Town of Pa | wling | | Design Engineer | : | | |
| Site Address: | 25 South S | treet | | | | | |
| County: | Dutchess | | | 60% Submission | Date: | | |
| Municipality: | Town of Pa | wling | | 100% Submission | n Date: | | |
| Supervisor: | James Sch | mitt | | Record Document R | ec'd Date: | N/A | |
| Original Proposed Retrofit: | Filter Cham | nber | | Field Recon Date | э: | | |
| Revised Retrofit: | | | | Associated Perm | nits: | None | |
| Original P Removal: | 4.66 | kg/yr | | Proposed Draina | ige Area: | 14.60 | acres |
| Revised P Removal: | 4.66 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start da Construction Complete | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: | | NI/A | Manaisia al la atalla t | ion Commisso | NIa Deb | ota loatalla Carr | Commista O. N |
| Municipal Reimbursem | nent Complete? | N/A | Municipal Installat | ion Complete? | No Priv | vate installation | Complete? No |



2 NYS Route 164

Patterson, NY 12563

Tel: 845-319-6349 Fax: 845-319-6391

Print Date: February 1, 2019

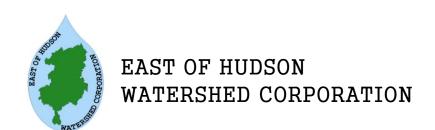
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EOHWC Year 2 (2011) Project Summary - Interim

| Project ID: | SE-DI-0 | 3 | Project Status: | Construction | 1 | |
|--|-----------|-----------------------------------|-----------------------------|--------------|--------------------|--|
| Common Name: | Lincoln F | ₹d | | | | |
| Watershed: | Middle B | Branch | | | | |
| Site Owner: | Unknow | n | Design Engineer: | Municipal Er | Municipal Engineer | |
| Site Address: | Lincoln F | ₹d | | | | |
| County: | Putnam | | 60% Submission Date: | By Town | | |
| Municipality: | Southea | st | 100% Submission Date: | By Town | | |
| Supervisor: | Tony Ha | у | Record Document Rec'd Date: | TBD | | |
| Original Proposed Retrofit: | • | namic Separator and stabilization | Field Recon Date: | 10/4/2010 | | |
| Revised Retrofit: | • | namic Separator and tabilization | Associated Permits: | None | | |
| Original P Removal: | 1.32 | kg/yr | Proposed Drainage Area: | 10.30 | acres | |
| Revised P Removal: | 1.30 | kg/yr | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | |
| Construction Start date: Construction Completion date: By Town | | | | | | |

Agreements:

Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town



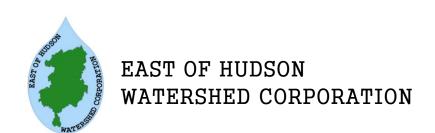
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EOHWC Year 6(2017) Project Summary - Interim

| LOTTIVE TEAT | U[ZUII] | i i Uje | ct Summary | - IIIICIIIII | | | |
|---|----------------|------------|---------------------|-----------------|-------------|-------------------|---------------|
| Project ID: | SE-DI-601 | | | Project Status: | | Concept | |
| Common Name: | Brewster H | Iill Roa | ıd | | | | |
| Watershed: | Diverting | | | | | | |
| Site Owner: | NYCDEP | | | Design Engine | er: | | |
| Site Address: | Brewster H | lill Rd | | | | | |
| County: | Putnam | | | 60% Submissio | n Date: | | |
| Municipality: | Southeast | | | 100% Submissi | ion Date: | | |
| Supervisor: | Tony Hay | | | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Pocket Por | nd | | Field Recon Da | te: | | |
| Revised Retrofit: | Catch Basi | n Inse | rts | Associated Per | mits: | None | |
| Original P Removal: | 5.18 | kg/yr | | Proposed Drain | age Area: | N/A | acres |
| Revised P Removal: | 3.09 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start da Construction Comple | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: | | NI/A | Municipal Installat | ion Complete? | No Del | vote Installation | Complete 2 No |
| Municipal Reimbursen | nent Complete? | IN/A | Municipal Installat | lion Complete? | No Pri | vate installation | Complete? No |

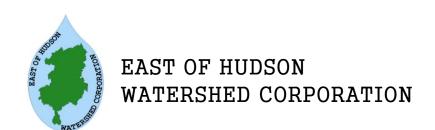


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|--|-------------|------------------|-----------------------------|-----------|-------|
| Project ID: | SE-DI-602 | | Project Status: | Postponed | |
| Common Name: | Route 22 C | Outfall | | | |
| Watershed: | Diverting | | | | |
| Site Owner: | Multiple ow | ners | Design Engineer: | | |
| Site Address: | 963 Route | 22 | | | |
| County: | Putnam | | 60% Submission Date: | | |
| Municipality: | Southeast | | 100% Submission Date: | | |
| Supervisor: | Tony Hay | | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Channel St | abilization | Field Recon Date: | | |
| Revised Retrofit: | | | Associated Permits: | None | |
| Original P Removal: | 29.69 | | Proposed Drainage Area: | Yes | acres |
| Revised P Removal: | N/A | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| Construction Start da Construction Comple | | TBD TBD | | | |
| Agreements: Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | |

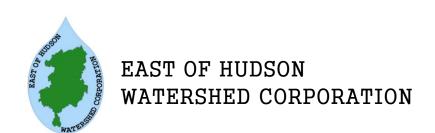


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Print Date: February 1, 2019
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|---|---|--------------|--------------|-----------------------------|----------------------|---------------|--|
| Project ID: | SE-DI-701 | | | Project Status: | Design | | |
| Common Name: | Southeast | Train Statio | n | | | | |
| Watershed: | Diverting | | | | | | |
| Site Owner: | MTA | | | Design Engineer: | KC Engine | ering | |
| Site Address: | 1 Independ | dent Way | | | | | |
| County: | Putnam | | | 60% Submission Date: | | | |
| Municipality: | Southeast | | | 100% Submission Date: | | | |
| Supervisor: | Tony Hay | | | Record Document Rec'd Date: | N/A | | |
| Original Proposed Retrofit: | Catch Bas | in Inserts | | Field Recon Date: | | | |
| Revised Retrofit: | Catch Bas | in Inserts | | Associated Permits: | None | | |
| Original P Removal: | 7.80 | kg/yr | | Proposed Drainage Area: | 7.88 | acres | |
| Revised P Removal: | 7.80 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start da Construction Comple | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: | | NI/Λ Munic | منحوا المعنو | tion Complete? No | Drivete Installation | Complete 2 No | |
| wunicipai Kelmbursen | Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | | |

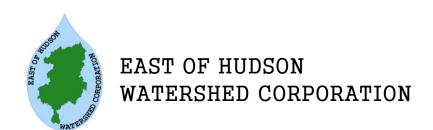


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Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

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|--|-----------------------|------------|---------------------|-----------------|-------------|-------------------|---------------|
| Project ID: | SE-EB-715 | 5 | | Project Status: | | Concept | |
| Common Name: | Scolpino P | ark | | | | | |
| Watershed: | East Branc | h | | | | | |
| Site Owner: | | | | Design Engine | er: | | |
| Site Address: | Doansburg | Rd/Fie | ldstone Dr | | | | |
| County: | Putnam | | | 60% Submission | n Date: | | |
| Municipality: | Southeast | | | 100% Submiss | ion Date: | | |
| Supervisor: | Tony Hay | | | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Surface Sa | nd Filte | ers | Field Recon Da | ite: | | |
| Revised Retrofit: | | | | Associated Per | mits: | None | |
| Original P Removal: | 1.34 | kg/yr | | Proposed Drain | age Area: | 2.97 | acres |
| Revised P Removal: | 1.34 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| Construction Start da Construction Comple | | TBD TBD | | | | | |
| Agreements: Municipal Reimbursem | nent Complete? | N/A | Municipal Installat | ion Complete? | No Pri | vate Installation | Complete? N/A |



Agreements:

Municipal Reimbursement Complete? Yes

2 NYS Route 164 Patterson, NY 12563

Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? Yes

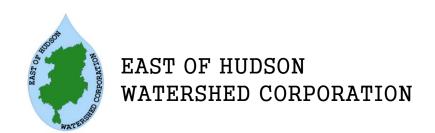
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EOHWC Year 2 (2011) Project Summary - Interim

| Project ID: | SE-POT-0 | 02 | Project Status: | Construction |
|---|-------------------------|----------------------|-----------------------------|--------------------|
| Common Name: | Brewster I | Heights | | |
| Watershed: | Middle Bra | anch | | |
| Site Owner: | Town/Priv | ate | Design Engineer: | Municipal Engineer |
| Site Address: | Bloomer F | Rd & 2350 Rt 6 | | |
| County: | Putnam | | 60% Submission Date: | By Town |
| Municipality: | Southeast | | 100% Submission Date: | By Town |
| Supervisor: | Tony Hay | | Record Document Rec'd Date: | TBD |
| Original Proposed Retrofit: | Hydrodynamic Separators | | Field Recon Date: | |
| Revised Retrofit: | Multiple C | hannel Stabilization | Associated Permits: | None |
| Original P Removal: | 15.51 | kg/yr | Proposed Drainage Area: | 58.90 acres |
| Revised P Removal: | 67.60 | kg/yr | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | |
| | | | | |
| Construction Start date: Construction Completion date: | | 6/1/2018 TBD | | |

Municipal Installation Complete?

Yes



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Private Installation Complete? N/A

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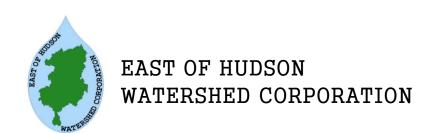
Checked by:

No

EOHWC Year 7(2018) Project Summary - Interim

Municipal Reimbursement Complete? Yes Municipal Installation Complete?

| Project ID: | S-MU-701 | | Project Status: | Construction | |
|---|-------------|-----------------------|-----------------------------|--------------|-------|
| Common Name: | Lake Shen | orock | | | |
| Watershed: | Muscoot | | | | |
| Site Owner: | Town of So | omers | Design Engineer: | BY TOWN | |
| Site Address: | | | | | |
| County: | Westchest | er | 60% Submission Date: | | |
| Municipality: | Somers | | 100% Submission Date: | | |
| Supervisor: | Rick Morris | ssey | Record Document Rec'd Date: | N/A | |
| Original Proposed Retrofit: | HDS and 0 | Channel Stabilization | Field Recon Date: | | |
| Revised Retrofit: | | | Associated Permits: | None | |
| Original P Removal: | 8.78 | kg/yr | Proposed Drainage Area: | N/A | acres |
| Revised P Removal: | 8.78 | kg/yr | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | |
| | | | | | |
| Construction Start date Construction Complete | | By Town By Town | | | |
| Agreements: | | | | | |

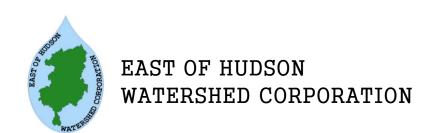


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Prepared by: Kevin Fitzpatrick, PE Checked by:

| LOTTIVE TEAT | 7(2016) I | TUJE | ct Summary | - 111(611111 | | | |
|--|--------------------|------------|-----------------------|-----------------|-------------|---------|-------|
| Project ID: | VPW-EB-7 | '15 | | Project Status: | | Concept | |
| Common Name: | Fairway Dr | ive | | | | | |
| Watershed: | East Branc | h | | | | | |
| Site Owner: | | | | Design Engine | er: | | |
| Site Address: | 45 Fairway | Drive | | | | | |
| County: | Dutchess | | 60% Submission Date: | | | | |
| Municipality: | Village of Pawling | | 100% Submission Date: | | | | |
| Supervisor: | Robert Liffl | and | | Record Document | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Subsurface | Infiltra | ation | Field Recon Da | ate: | | |
| Revised Retrofit: | | | | Associated Per | mits: | None | |
| Original P Removal: | 9.10 | kg/yr | | Proposed Drain | nage Area: | 20.90 | acres |
| Revised P Removal: | 9.10 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start date: Construction Completion date: | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: Municipal Reimbursement Complete? N/A Municipal Installation Complete? N/O Private Installation Complete? N/A | | | | | | | |
| Municipal Reimbursement Complete? N/A Municipal Installation Complete? N/O Private Installation Complete? N/A | | | | | | | |

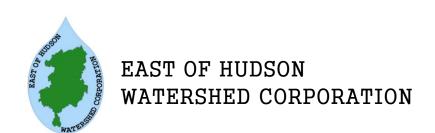


Tel: 845-319-6349 Fax: 845-319-6391

Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

Checked by:

| LOTIVO Tear | U(ZUTT) | i i Ojc | ct Gairmary | - IIICIIIII | | | |
|--|-------------------|------------|------------------------|-------------------|----------------------------------|--------|-------|
| Project ID: | Y-MU-601 | | | Project Status: | | Design | |
| Common Name: | Front Stree | et | | | | | |
| Watershed: | Muscoot | | | | | | |
| Site Owner: | Town of Yorktown | | Design Engineer: | | D&B Engineers and Architects, PC | | |
| Site Address: | 1785 Front Street | | | | | | |
| County: | Westchester | | 60% Submission Date: | | | | |
| Municipality: | Yorktown | | 100% Submission Date: | | | | |
| Supervisor: | Ilan Gilbert | | | Record Document I | Rec'd Date: | N/A | |
| Original Proposed Retrofit: | Pocket Wetland | | Field Recon Date: | | | | |
| Revised Retrofit: | Wetland System | | Associated Permits: | | None | | |
| Original P Removal: | 27.38 | kg/yr | | Proposed Drain | age Area: | 82.50 | acres |
| Revised P Removal: | 7.91 | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start date: Construction Completion date: | | TBD TBD | | | | | |
| | | | | | | | |
| Agreements: Municipal Reimbursement Complete? N/A Municipal Installation Complete? No Private Installation Complete? No | | | | | | | |
| Municipal Kelinbursement Complete: 14/A Municipal installation Complete: 140 Frivate installation Complete: 140 | | | | | | | |



Tel: 845-319-6349 Fax: 845-319-6391

Private Installation Complete? No

Print Date: February 1, 2019
Prepared by: Kevin Fitzpatrick, PE

Checked by:

EOHWC Year 6(2017) Project Summary - Interim

Municipal Reimbursement Complete? N/A Municipal Installation Complete?

| | O(ZOTT) | r roject Gariinary | IIICIIII | | | | |
|--|----------------------|--------------------|-----------------------------|----------------|-------|--|--|
| Project ID: | Y-MU-602 | 2 | Project Status: | Design | | | |
| Common Name: | Junior Lak | e | | | | | |
| Watershed: | Muscoot | | | | | | |
| Site Owner: | Town of Y | orktown | Design Engineer: | KC Engineering | | | |
| Site Address: | Haylan Ro | I and Edgewater St | | | | | |
| County: | Westches | ter | 60% Submission Date: | | | | |
| Municipality: | Yorktown | | 100% Submission Date: | | | | |
| Supervisor: | Ilan Gilbert | | Record Document Rec'd Date: | N/A | | | |
| Original Proposed Retrofit: | Surface Sand Filters | | Field Recon Date: | | | | |
| Revised Retrofit: | Subsurfac | e Infiltration | Associated Permits: | None | | | |
| Original P Removal: | 5.30 | kg/yr | Proposed Drainage Area: | 44.60 | acres | | |
| Revised P Removal: | TBD | kg/yr | | | | | |
| Final P Removal Credit by NYSDEC: | TBD | kg/yr | | | | | |
| | | | | | | | |
| Construction Start date: TBD Construction Completion date: TBD | | | | | | | |
| Agreements: | | | | | | | |

No