



EAST OF HUDSON WATERSHED CORPORATION

2021 Annual Report



Stormwater Pond – Lewisboro, NY

March 2022

Table of Contents

1. Introduction	1
2. Organization	2
3. Purpose	4
4. Stormwater Retrofit Plan Summary	5
5 Funding Sources and Financial Summary.....	9
6. Future Work	14

List of Tables

Table 1A: Total Expenditures (2021)	12
Table 1B: Total Expenditures (2012-2021)	12
Table 2: Fund Summary (2012-2021)	13

List of Figures

Numerous SRP photos are included within the body of the text.

Appendices

Appendix A: ABO Budget

Appendix B: EOHWC Project Data Sheets for Year 10

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), Year 7 (2018), Year 8 (2019), Year 9 (2020), and Year 10 (2021).

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 2020 were:

1. Director of Engineering: Kevin Fitzpatrick, P.E. (Start Date: March 4, 2013)
2. Comptroller: Keith Giguere (Start Date: May 17, 2021)
3. Comptroller: Joanne Tavino (End Date: June 3, 2021)
4. Office Manager: Linda Matera (Start Date: September 29, 2014)
5. Watershed Planner: Cory Lapidus (Start Date: September 28, 2020)

The Board Members which served through 2021 are:

1. Town of Bedford: MaryAnn Carr
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 (Vice President)
7. Village of Mount Kisco: Gina Picinich
8. Town of New Castle: Robert Greenstein
 - a. Ivy Pool
9. Town of North Castle: Michael Schiliro
10. Town of North Salem: Warren Lucas (Treasurer)
11. Town of Patterson: Richard Williams (President)
12. Town of Pawling: James Schmitt
13. Village of Pawling: Robert Liffland
 - a. Lauri Taylor
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: Matthew Slater

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.



**Sand Filter Installation:
MK-NC-22**



**Finished Sand Filter
MK-NC-22**

The Year 10 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 2019-2022, 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 10.

4. STORMWATER RETROFIT PLAN SUMMARY

The NYSDEC has confirmed and approved the completion of projects totaling 647.9 kg/yr of phosphorus removal. Appendix B provides a full program summary of all approved projects. The Work Plans covering all years of the program include an excess of 1300 kg/yr of possible reduction. Careful process is applied to select the correct projects to meet the 919.0 kg/yr goal set by the NYSDEC. The completion of all active projects will allow the EOHWC to exceed the NYSDEC requirement, and reach a total of 1035.5 kg/yr. All projects which were actively worked on by the EOHWC during the Calendar Year of 2021 can be found within this section and within Appendix B.



**Channel Stabilization:
Carmel-CF-601**

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

1. **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

Carmel-AM-1000 (Marina Drive – Year 10) – Located in the Town of Carmel, the proposed SRP includes the installation of catch basin filters throughout a commercial area in the Village of Mahopac. This project is in design and will be completed in early 2022.

Carmel-AM-1000 (PARC Preschool – Year 10) – Located in the Town of Carmel, the proposed SRP includes the installation of catch basin filters throughout a residential area in the Village of Mahopac. This project is in design and will be completed in early 2022.

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. This project was completed in 2021.

Carmel-CF-703 (Woodland Trail – Year 7) – Located in the Town of Carmel, the proposed SRP includes the stabilization of a classified stream. The project is in design and is expected to go to construction in 2022.

Carmel-CF-801 (Fulmar Road Elementary – Year 8) – Located in the Town of Carmel, the proposed SRP includes the installation of a bioretention cell on School property in the Mahopac Central School District. The project is fully designed and is expected to go to construction in the summer of 2022.

Carmel-CF-802 (Fulmar Road Elementary – Year 8) – Located in the Town of Carmel, the proposed SRP includes the installation of a bioretention cell on School property in the Mahopac Central School District. The project is fully designed and is expected to go to construction in the summer of 2022.

Carmel-CF-901 (Arborview Rd A – Year 9) – Located in the Town of Carmel, the proposed SRP includes installation of catch basin filters within the Town right-of-way. The project will be installed in early 2022.

Carmel-CF-902 (Arborview Rd B – Year 9) – Located in the Town of Carmel, the proposed SRP includes installation of catch basin filters within the Town right-of-way. The project will be installed in early 2022.

Carmel-GL-815 (Ridge Rd – Year 8) – Located in the Town of Carmel, the proposed SRP includes installation of catch basin filters within the Town right-of-way. The project will be installed in early 2022.

Kent-BC-830 (Rambler Rd – Year 8) – Located in the Town of Kent, the proposed SRP includes the installation of a filter chamber within the public right of way. The project is in design and is expected to be constructed in 2022.

Kent-CF-845 (Palmer Lake – Year 8) – Located in the Town of Kent, the proposed SRP includes the installation of subsurface infiltration on private property at the Lost Lake Community parking lot. The project is being reevaluated for a new retrofit practice, and is expected to be constructed in 2022.

L-CR-701 (Lewisboro Elementary School – Year 7) – Located in the Town of Lewisboro, the proposed SRP includes the installation of catch basin filters on school property. The project is currently in design and is expected to complete construction in 2022.

L-CR-803 (Lewisboro Town Park – Year 8) – Located in the Town of Lewisboro, the proposed SRP includes the installation of subsurface infiltration on town property. The project is currently in design and is expected to complete construction in 2022.

L-CR-805 (Salem Hill Road – Year 8) – Located in the Town of Lewisboro, the proposed SRP includes the installation of catch basin filters within town property. The project is currently in design and is expected to complete construction in 2022.

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 2022.

MK-NC-22 (Leonard Park – Year 4) – Located in the Village of Mount Kisco, the proposed SRPs consist of dry swales and surface sand filters. This project was completed in 2021.

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 was completed in 2021.

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. This project was installed in 2021.

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 2022.

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 2022.

NewC-NCR-801 (Courmel Rd – Year 8) – Located in the Town of New Castle, the proposed SRP is for the stabilization of two heavily eroded channels on NYCDEP

property, with installation of filter chambers to address water quality. The project is currently in design and is expected to be constructed in 2022.

NS-EB-901 (Vail's Grove – Year 9) – Located in the Town of North Salem, the project involves the installation of catch basin filters across private property. The project is in the design phase and construction is estimated to occur in 2022.

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 2022.

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 2021.

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. The project has been postponed.

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 2022.

PR-CR-601 (Cross Rd – Year 6) – Located in the Town of Pound Ridge, the proposed SRP is for the removal of impervious cover within the right of way. The project is in design and will be constructed in 2022.

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 was completed in 2021.

S-AM-1015 (Woodcrest Terrace – Year 10) – Located in the Town of Somers, the project involves the installation of catch basin filters and channel stabilization on private property. The project is in the design phase and construction is estimated to occur in 2022.

S-CF-901 (Greenbriar Subdivision – Year 9) – Located in the Town of Somers, the project involves the installation of catch basin filters across private property. The project is in the design phase and construction is estimated to occur in 2022.

S-MU-915 (Bluestone Peak Academy Phase 1 – Year 9) – Located in the Town of Somers, the project involves the redevelopment of an existing site, through a private property owner. This project has been postponed.

S-MU-916 (Bluestone Peak Academy Phase 2 – Year 9) – Located in the Town of Somers, the project involves the redevelopment of an existing site, through a private property owner. This project has been postponed.

S-MU-917 (Bluestone Peak Academy Phase 3 – Year 9) – Located in the Town of Somers, the project involves the redevelopment of an existing site, through a private property owner. This project has been postponed.

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 2022.

SE-EB-715 (Scolpino Park – Year 7) – Located in the Town of Southeast, the proposed SRP is for the installation of permeable pavement and a bioretention area within a Town Park. The project began construction in 2021.

SE-DI-815 (Eagle’s Ridge Subdivision – Year 8) – Located in the Town of Southeast, the project involves stabilization of heavily eroded channels and the installation of water quality treatment components (Wet ED Pond) on private property to treat runoff from the existing subdivision. The project is in design and construction is expected in 2022.

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.

On December 28, 2017, the New York State Department of Health issued the 2017 New York City Filtration Determination which requires, among other things, that NYC DEP: “Execute and register a contract or contract amendment with the EOH Watershed Corporation to provide \$22 million to support the design and construction of stormwater retrofits in the EOH FAD Basins and in basins upstream and hydrologically connected to the Croton Falls Reservoir. A total of \$7 million shall be specifically committed to support stormwater retrofits within EOH FAD basins and \$15 million shall be specifically committed to support stormwater retrofits within the basis upstream and hydrologically connected to the Croton Falls Reservoir or within EOH FAD basins.”

On January 18, 2019 a new contract for the above referenced \$22 million was signed between NYC DEP and East of Hudson Watershed Corp. On August 15, 2019 the initial payment of \$15 million was received and deposited to the FAD bank account. \$2.4 million was then transferred to the operating account to reimburse WQIP funds for dollars spent so far on FAD projects from 1/1/2017 through August 15, 2019. Of the \$22 million

contracted, the remaining \$7 million will be invoiced to NYC DEP once there are \$7 million in committed (signed) contracts within the four FAD basins.

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 1A and 1B. 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 1A: Total Expenditures (2021)

Expense Type	Amount
General Administration	\$ 474,116 (30.5%)
Project Administration	\$ 176,853 (11.3%)
O&M	\$ 143,304 (9.2%)
Design	\$ 161,729 (10.4%)
Construction	\$ 600,203 (38.6%)
TOTAL	\$ 1,556,205

Table 1B: Total Expenditures (2012 thru 2021)

Expense Type	Amount
General Administration	\$ 4,327,645 (11.4%)
Project Administration	\$ 1,349,609 (3.6%)
O&M	\$ 774,136 (2.0%)
Design	\$ 5,266,398 (13.9%)
Construction	\$ 26,227,756 (69.1%)
TOTAL	\$ 37,945,544

Table 2 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 2: Fund Summary (2012-2021)

Source Fund	EOHWC Funds Received	Expenses	Remaining
Putnam County MOA	\$ 7,773,797	(\$ 5,268,120)	\$ 2,505,677
Westchester County MOA	\$ 10,000,000	(\$ 6,708,510)	\$ 3,291,490
DEP Funding Agreement (WSP)	\$ 15,500,000	(\$ 15,500,000)	\$ 0
DEP Funding Agreement (FAD)	\$ 19,500,000	(\$ 9,147,811)	\$10,352,189
Non-SRP and Rental Income	\$ 463,230	(\$ 460,230)	\$ 3,000
O&M Bubble Compliance	\$ 774,136	(\$ 774,136)	\$ 0
Interest Earnings	\$ 645,163	-	\$ 645,163
Adjust for Receivables/Payables		(\$ 212,516)	(\$ 212,516)
Totals	\$ 54,656,326	(\$ 38,071,323)	\$16,585,003

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. There are currently enough projects projected to exceed the phosphorus reduction requirements set by the NYSDEC, and EOHWC will continue to look for the most economical and best environmental impacts moving forward into the next years of the program.

The EOHWC has started work on Year 10 of the Stormwater Retrofit Program in the beginning of the 2021. 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 successfully signed an agreement 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 are actively being pursued, with various projects qualifying for USACOE funding and the potential Drinking Water and Wastewater Infrastructure Act of 2021.

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.

Appendix A: ABO Budget

Appendix B: EOHWC Project Data Sheets for Year 10

Project ID	Watershed	Common Name	P Removal Credit by DEC (kg)	Revised Retrofit	Municipality	Site Address
B-CR-29	Cross River	Mount Holly Road	0.5	Channel Stabilization	Bedford	Mount Holly Rd
B-MU-07	Muscoot	Bedford Hills Memorial Park	5.34	Extended Detention Pond (P-3)	Bedford	60 Haines Rd, Bedford Hills, NY 10507
B-MU-21	Muscoot	Beaver Dam Road	4.9	New Forebay, HDS, and Infiltration	Bedford	Route 22 and Beaver Dam Road
B-MU-22	Muscoot	Narrows	1.16	Hydrodynamic Separator and Infiltration	Bedford	Narrows Rd
B-MU-23	Muscoot	North Street	0.91	Pavers/Underdrain	Bedford	North Street
B-MU-24	Muscoot	School Street	1.52	Pavers/Underdrain	Bedford	School Street
B-MU-25	Muscoot	Guard Hill Rd	4.64	Channel Stabilization	Bedford	Guard Hill Rd
B-MU-28	Muscoot	High St/Ridge St	0.57	Channel Stabilization	Bedford	High St/Ridge St
B-MU-30	Muscoot	South Church Street	1.23	Infiltration Trench	Bedford	South Church Street
B-MU-32	Muscoot	Babbitt Road	3.65	Channel Stabilization	Bedford	Babbitt Road
B-MU-35	Muscoot	Broad Brook Rd	8.1	Subsurface Infiltration	Bedford	Broad Brook Rd
B-MU-41	Muscoot	Succabone and Bisbee Rd	3.19	Subsurface Infiltration	Bedford	103 Succabone Rd
B-MU-701	Muscoot	NYCDEP Commuter Lot	1.99	Catch Basin Inserts	Bedford	Woods Bridge Rd
B-NCR-27	New Croton	South Beach Rd	0.97	Channel Stabilization	Bedford	South Beach Rd
Carmel-AM-111A	Amawalk	Falls Elementary School	3	Subsurface Infiltration	Carmel	90-100 Myrtle Ave., Mahopac, NY
Carmel-AM-112	Amawalk	Austin Rd Elementary School	5.12	Wet Extended Detention Pond (P-3)	Carmel	390 Austin Rd
Carmel-AM-116	Amawalk	Mahopac Middle School	2.6	Infiltration	Carmel	425 Baldwin Pl
Carmel-AM-129	Amawalk	Hitchcock Hill Rd	0.23	Hydrodynamic Separator	Carmel	Hitchcock Hill Road
Carmel-CF-102A	Croton Falls	Guide Post Seminary	4	Channel Stabilization	Carmel	39 Seminary Hill Rd
Carmel-CF-102B	Croton Falls	Guide Post Seminary	2.72	Channel Stabilization	Carmel	39 Seminary Hill Rd
Carmel-CF-119B	Croton Falls	Kelly Ridge & St. Michael's Terrace	7.1	Outfall Channel Stabilization	Carmel	Kelly Ridge & St. Michael's Terrace
Carmel-CF-123	Croton Falls	Garret Place	0.42	Outfall Channel Stabilization	Carmel	Garret Place
Carmel-CF-601	Croton Falls	Eleanor Drive	7.6	Channel Stabilization	Carmel	22 Eleanor Drive (Mult. Owners)
Carmel-PRE-02	Amawalk	Lakeview Court	0.26	Outfall Stabilization	Carmel	Lakeview Ct
Carmel-PRE-03	Amawalk	Silvergate Road	0.95	Outfall Stabilization	Carmel	Silvergate Rd
Carmel-PRE-04	Amawalk	Red Mills Road	0.77	Outfall Stabilization	Carmel	Red Mills Rd
Carmel-PRE-06	Amawalk	Belden Road	1.09	Channel Stabilization	Carmel	Belden Rd
Carmel-PRE-07	Amawalk	Colier Drive	0.38	Channel Stabilization	Carmel	Colier Dr
C-NC-01B	New Croton	Quarry Acres Subdivision	3.2	Micropool Extended Detention and Channel Stabilization	Cortlandt	4th St & Bluestone Ln

Project ID	Watershed	Common Name	P Removal Credit by DEC (kg)	Revised Retrofit	Municipality	Site Address
Kent-MB-311B	Middle Branch	NYS Rt 311 & I-84	13.74	Channel Stabilization, P-1 Pond	Kent	Route 311 & I-84, Kent, NY
Kent-MB-601	Middle Branch	Montrose Drive	12.11	Multiple Ponds	Kent	640 NYS Rte 52
Kent-MB-602	Middle Branch	Haviland Rd Outfall	7.23	Channel Stabilization and Pocket Wetland	Kent	60 Haviland Rd
Kent-MB-701	Middle Branch	Lake Carmel Outfall	16.1	Bank Stabilization	Kent	
Kent-MB-Add-19	Middle Branch	Ryan Park	2.3	Sand Filter (F-1) and Eliminated Eroded Channel	Kent	Ryan Park off Towners Rd
Kent-MB-Add-2	Middle Branch	Lake Shore Dr & Cottage Rd	4.7	Wet Extended Detention Pond (P-3)	Kent	Lake Shore Dr & Cottage Rd
Kent-MB-Add-3	Middle Branch	Lake Shore Dr & Valhalla Rd	1.4	Micropool Extended Detention Pond (P-1)	Kent	Lake Shore Dr & Valhalla Rd
Kent-MB-Add-4	Middle Branch	Ryan Park	0.2	Hydrodynamic Separator	Kent	Ryan Park off Towners Rd
Kent-MB-Add-5	Middle Branch	Kent Recreation Building	1.4	Dry Swale (O-1)	Kent	770 Rt 52
Kent-MB-NLC	Middle Branch	North Lake Carmel SW Improvements	4.67	Multiple Retrofits	Kent	
Kent-PA-31	Croton Falls	Putnam Stone & Mason Supply	4.5	Pocket Pond	Kent	301 Rt 52
Kent-Pre-03	East Branch	Barrett Hill/Route 52	4.31	Hydrodynamic Separator	Kent	Barrett Hill/Route 52
Kent-Pre-06a	Boyd's Corners	202 Boyds Corner Rd.	0.31	Outfall Stabilization	Kent	202 Boyds Corner Rd.
Kent-Pre-06b	Boyd's Corners	236 Boyds Corner Rd.	1.33	Outfall Stabilization	Kent	236 Boyds Corner Rd.
Kent-Pre-06c	Boyd's Corners	322 Boyds Corner Rd.	0.93	Outfall Stabilization	Kent	322 Boyds Corner Rd.
Kent-Pre-06d	Boyd's Corners	326 Boyds Corner Rd.	0.24	Outfall Stabilization	Kent	326 Boyds Corner Rd.
Kent-Pre-06e	Boyd's Corners	Farmers Mills Rd.	0.8	Channel Stabilization	Kent	Farmers Mills Rd.
Kent-Pre-06f	Boyd's Corners	Meadow Brook Ct.	1.64	Outfall Stabilization	Kent	Meadow Brook Ct.
L-CR-11A	Cross River	John Jay Middle and High School	4.8	Micropool ED Pond	Lewisboro	40 North Salem Road, Cross River, NY
L-CR-11B	Cross River	John Jay Middle and High School	2.2	Wet ED Pond	Lewisboro	40 North Salem Road, Cross River, NY
L-CR-11C	Cross River	John Jay Middle and High School	11.3	Channel Stabilization	Lewisboro	40 North Salem Road, Cross River, NY
L-CR-15	Cross River	Twin Lakes Rd Drainage Improvements	0.09	Plunge Pool	Lewisboro	Twin Lakes Rd
L-CR-21	Cross River	Lake Kitchawan Stream	0.66	HDS (Vortech Unit)	Lewisboro	126 Lake Kitchawan Drive
L-CR-26	Cross River	Truesdale Lake Drive	3.28	HDS/Forebay	Lewisboro	Truesdale Lake Dr
L-CR-28	Cross River	Schoolhouse Rd	4.59	Wet ED	Lewisboro	123 North Salem Road, Lewisboro, NY
L-CR-30	Cross River	Mead St	3.6	ED Shallow Wetland	Lewisboro	Chapel Rd/Mead St
MK-NC-15	New Croton	Village Sewer Pump Station Driveway	0.21	Road Stabilization	Mt. Kisco	Lexington Ave/Saw Mill River Parkway
MK-NC-18	New Croton	Hillside Water Tower Access Driveway	0.11	Road Stabilization	Mt. Kisco	Emery St & Mountain Ave
MK-NC-19	New Croton	Sewer Pumo Station Rooftop	0.05	Rooftop Disconnect	Mt. Kisco	Lexington Ave/Saw Mill River Parkway
MK-NC-20	New Croton	CVS/South Bedford Road	8.19	Channel Stabilization	Mt. Kisco	10 South Bedford Road

Project ID	Watershed	Common Name	P Removal Credit by DEC (kg)	Revised Retrofit	Municipality	Site Address
MK-NC-21	New Croton	MKMG Satellite Offices	2.66	Pocket Wetland	Mt. Kisco	34 So. Bedford Road, Mt. Kisco, NY
MK-NC-22	New Croton	Leonard Park	9.01	Bioretention/Surface Sand Filter	Mt. Kisco	104 Main St
MK-NC-23	New Croton	Leonard Park Driveway Stabilization	0.09	Road Stabilization	Mt. Kisco	Leonard Park Baseball Field
MK-NC-24	New Croton	Leonard Park Pavement Removal	0.11	Road Stabilization	Mt. Kisco	Leonard Park
MK-NC-31	New Croton	Perforated Drainage Pipe Installation	0.12	Subsurface Infiltration	Mt. Kisco	
MK-NC-32	New Croton	Multiple Sites	0.12	Road Stabilization	Mt. Kisco	
MK-NC-601	New Croton	Village Hall	3.32	Catch Basin Inserts	Mt. Kisco	104 Main St
NewC-NCR-701	New Croton	Chappaqua Crossings	7.7		New Castle	Chappaqua Crossings
NS-EB-01	East Branch	Peach Lake	10.91	Stormfilter	North Salem	Peach Lake
NS-MU-05	Muscoot	North Salem Highway Garage	9.8	Infiltration and micropool extended detention basin	North Salem	66 June Road
NS-MU-08/09	Muscoot	Sunset Dr and Westview Cross Rd	7.12	Channel Stabilization and Infiltration	North Salem	Sunset Dr & Westview Cross Rd
NS-MU-701	Muscoot	Croton Falls Train Station	1.97	Catch Basin Inserts	North Salem	Back Street
Pat-EB-09-01	East Branch	Big Elm Rd	3.47	Pocket Pond (P-5)	Patterson	Big Elm Rd & Old Rt 22
Pat-EB-09-03B	East Branch	Veterans Memorial Park	1.86	Organic Filter (F-4)	Patterson	North Street, Patterson, NY 12563
Pat-EB-09-04a/04b/04c	East Branch	Old Rt 22	1.39	Grass Swale	Patterson	
Pat-EB-602	East Branch	Dayton Rd	13.75	Channel Stabilisation	Patterson	Dayton Rd
Pat-EB-603	East Branch	Lost Lake	12.98	Channel Stabilization	Patterson	Doansburg Rd.
Pat-MB-06	Middle Branch	Fields Corner Rd	0.78	Dry Swale (O-1)	Patterson	Fields Corner Rd & Fair St
PAT-PRE-02	East Branch	T&T Associates	0.05	Grass Swale	Patterson	2656 Route 22
PAT-PRE-03	East Branch	Brewster Plastics	0.54	Detention Pond	Patterson	60 Jon Barrett Road
PAT-PRE-04	East Branch	White Birch Realty	0.3	Sand Filter	Patterson	35 Commerce Drive
PAT-PRE-05	East Branch	Old Road Highway Improvement	0.26	Grass Swale	Patterson	Old Road and Route 22
PAT-PRE-06a	East Branch	Putnam Lake Retrofit Project - Site 1	0.01	Detention Pond	Patterson	Valley Rd and Lake Shore Dr
PAT-PRE-06b	East Branch	Putnam Lake Retrofit Project - Site 2a	0.04	Detention Pond	Patterson	Lake Shore Dr and Fulton Dr
PAT-PRE-06c	East Branch	Putnam Lake Retrofit Project - Site 2b	0.29	Hydrodynamic Separator	Patterson	Lake Shore Dr and Harmon Rd
PAT-PRE-06d	East Branch	Putnam Lake Retrofit Project - Site 3a	0.48	Hydrodynamic Separator	Patterson	Lake Shore Dr and Jordan Rd
PAT-PRE-06e	East Branch	Putnam Lake Retrofit Project - Site 3b	0.27	Hydrodynamic Separator	Patterson	Lake Shore Dr and Deerfield Rd
PAT-PRE-06f	East Branch	Putnam Lake Retrofit Project - Site 3c	0.11	Hydrodynamic Separator	Patterson	B/t Camden Rd and Deerfield Rd

Project ID	Watershed	Common Name	P Removal Credit by DEC (kg)	Revised Retrofit	Municipality	Site Address
PAT-PRE-06g	East Branch	Putnam Lake Retrofit Project - Site 3d	0.48	Hydrodynamic Separator	Patterson	Camden Rd
PAT-PRE-06h	East Branch	Putnam Lake Retrofit Project - Site 5	0.18	Detention Pond	Patterson	South Lake Rd and Haviland Dr
PAT-PRE-06i	East Branch	Putnam Lake Retrofit Project - Site 6	0.21	Hydrodynamic Separator	Patterson	Lake Shore Dr, b/t Palmyra and Queensbury Rd
PAT-PRE-06j	East Branch	Putnam Lake Retrofit Project - Site 7	0.09	Hydrodynamic Separator	Patterson	B/t Hadley Rd and Ilion Rd
Patterson-PA-10	East Branch	Patterson Town Hall	0.23	Subsurface Infiltration	Patterson	1142-1144 Rt 311
Patterson-PA-11	East Branch	Patterson Highway Garage	6.11	Two Pocket Ponds; Bioretention Basin	Patterson	281 Cornwall Hill Rd
Patterson-PA-15A	East Branch	Matthew Paterson Elementary School	2	Surface Sand Filter	Patterson	100 South St
Patterson-PA-15B	East Branch	Matthew Paterson Elementary School	2.38	Dry Swale	Patterson	100 South St
PC-1	Amawalk	Putnam National Golf Course	4.4	Subsurface Infiltration	Putnam County	187 Hill St
PC-1A	Amawalk	Putnam National Golf Course	15.98	Wet Extended Detention Pond (P-3)	Putnam County	187 Hill St
PC-4	Diverting	North Brewster Rd	1.5	Channel Stabilization	Putnam County	245 North Brewster Road
PC-5N, 5S	East Branch	PCDH&F	5.45	Wet Extended Detention Pond	Putnam County	Fair Street
PC-6	Amawalk	Teakettle Spout Lake	0.34	Impervious Removal	Putnam County	163 Kia Ora Blvd
PC-9	West Branch	Veterans Memorial Park	0.02	Sand Filter	Putnam County	Veterans Memorial Park
PC-MB-701	Middle Branch	Tilly Foster Farm	21.44	Wet ED Pond and Channel Stabilization	Putnam County	NYS Route 312
PR-CR-701	Cross River	Parkview Drive	9.25	Channel Stabilization	Pound Ridge	114 Parkview Road North
PutVal-PA-02	Amawalk	Greenway Terrace	7.9	Detention pond/Stormfilter	Putnam Valley	Greenway Terrace
PW-120	East Branch	138 South Harmony Rd	0.1288	Outfall Protection, New Pipe, Channel Stabilization	Town of Pawling	138 South Harmony Rd
PW-342A	East Branch	Pawling Fire District	0.52	Pocket Pond	Town of Pawling	350 Rt 292
PW-342B	East Branch	Pawling Fire District	1.44	Pocket Pond	Town of Pawling	350 Rt 292
PW-343	East Branch	Holmes Whaley Lake Civic Association	3.35	Subsurface Infiltration	Town of Pawling	245 Rt 292
PW-82	East Branch	39 Sans Souci Dr	1.1427	Outfall Protection, Ditch Stabilization, Sediment Removal	Town of Pawling	39 Sans Souci Dr
PW-83	East Branch	47 Sans Souci Dr	0.478	Ditch Stabilization, Sediment/Debris Removal	Town of Pawling	47 Sans Souci Dr
SE-DI-03	Middle Branch	Lincoln Rd	1.3	Hydrodynamic Separator and Outfall Stabilization	Southeast	Lincoln Rd
SE-POT-01	East Branch	Lake Tonetta	14.4	Subsurface Gravel Wetland	Southeast	201 Shore Dr (across from)
SE-POT-02	Middle Branch	Brewster Heights	72	Multiple Channel Stabilization	Southeast	Bloomer Rd & 2350 Rt 6

Project ID	Watershed	Common Name	P Removal Credit by DEC (kg)	Revised Retrofit	Municipality	Site Address
SE-PRE-01	Muscoot	Lower Mine Road	0.19	Outfall Stabilization	Southeast	Lower Mine Road
SE-PRE-02	Muscoot	Seven Oaks Lane	1.51	Outfall Stabilization / Deep Sump Catch Basin	Southeast	Seven Oaks Lane
SE-PRE-03	Middle Branch	Maple Road	1.03	Outfall Stabilization / Deep Sump Catch Basin	Southeast	Maple Road
SE-PRE-04	East Branch	Joe's Hill Road	0.01	Outfall Stabilization	Southeast	Joe's Hill Road
SE-PRE-05	East Branch	Nichols Rd	0.34	Outfall Stabilization	Southeast	Nichols Road
SE-PRE-07	Muscoot	Starlea Road	0.44	Outfall Stabilization / Deep Sump Catch Basin	Southeast	Starlea Road
SE-PRE-08	East Branch	Ives Farm	0.78	Outfall Stabilization	Southeast	Ives Farm
SE-PRE-09	Diverting	Panorama	0.51	Outfall Stabilization	Southeast	Panorama
SE-PRE-10	East Branch	Carlson Lake	1.2	Outfall Stabilization / Deep Sump Catch Basin	Southeast	Carlson Lake
SE-PRE-11	Diverting	Shore Drive, Lake Tonetta	2.82	Outfall Stabilization / Hydrodynamic Separator	Southeast	Shore Dr/Lake Tonetta
S-MU-01	Muscoot	Somers Town Hall	1.29	Permeable Pavement	Somers	335 Route 202
S-MU-03	Muscoot	Boces	24.2	Channel Stabilization	Somers	Pines Bridge Road
S-MU-09A	Muscoot	Reis Park - Library Roof Disconnect	0.79	Hydrodynamic Separator and Infiltration	Somers	Primrose St & Rt 139
S-MU-09B	Muscoot	Reis Park - Maintenance Bldg and Parking Area	0.9	Hydrodynamic Separator and Infiltration	Somers	Primrose St & Rt 139
S-MU-09C	Muscoot	Reis Park - Main Parking Lot and Tennis Court	3.35	Permeable Pavement	Somers	Primrose St & Rt 139
S-MU-09D	Muscoot	Reis Park - Main Driveway and Rear Parking	0.92	Bioretention	Somers	Primrose St & Rt 139
S-MU-09E	Muscoot	Reis Park and Town Hall Porous Pavement	1.2	Middle Drive: UG Detention/Stormfilter; Upper Lot: Dry Swale	Somers	Primrose St & Rt 139
S-MU-09F	Muscoot	Reis Park - Athletic Fields	1.65	Bioretention	Somers	Primrose St & Rt 139
S-MU-12	Muscoot	Plumbrook Pond Ditch Stabilization	1.12	Repair Eroded Drainage Ditch	Somers	SCSD Bus Garage
S-MU-13	Muscoot	Plumbrook Pond Ditch Stabilization-2	3.09	Repair Eroded Drainage Ditch	Somers	SCSD Bus Garage
S-MU-16/17	Muscoot	Somers Town Highway Garage and Material Yard	5.87	16: Infiltration (I-2)/Bioretention (F-5); 17: Bioretention (F-5)	Somers	Rt 100
S-MU-27a	Muscoot	Somers School District Ditch Stabilization	1.25	Stabilization	Somers	Rt 139
S-MU-27b	Muscoot	Somers School District Ditch Stabilization	0.36	Stabilization	Somers	Rt 139
S-MU-29	Muscoot	Plum Brook Rd Retrofit	3.33	Stabilization	Somers	Plum Brook Rd
S-MU-30	Muscoot	Jan Ridge Road Brook Stabilization	1.45	Stabilization	Somers	Jan Ridge Road

Project ID	Watershed	Common Name	P Removal Credit by DEC (kg)	Revised Retrofit	Municipality	Site Address
S-MU-32	Muscoot	Erosion Control Near Muscoot River	0.45	Stabilization	Somers	Wood St
S-MU-33	Muscoot	Van Tassell Memorial Park	2.93	Infiltration Basin	Somers	Van Tassell Memorial Park
S-MU-701	Muscoot	Lake Shenorock	8.78	HDS and Channel Stabilization	Somers	Lakeview Drive/Forest Lane
S-NC-31	Muscoot	Moseman Ave Water Quality Improvement	0.81	Micropool Extended Detention	Somers	Moseman Ave
Southeast-EB-05	East Branch	Rockledge Drive	0.81	Outfall Stabilization	Southeast	Rockledge Dr
Southeast-PA-05	East Branch	Brewster Hill	6.64	Channel Stabilization	Southeast	Nancy Ln & Rt 312
Southeast-PA-23	East Branch	CV Star Intermediate School	6.93	Micropool Extended Detention Pond (P-1)	Southeast	20 Farm-to-Market Rd
Southeast-PA-24	East Branch	Lower Mine Road/NYS 22	0.12	Grass Swale	Southeast	U.S. Rt 22/Deans Corner Road
VB-DI-31	East Branch	Tonetta Brook Retrofit	15.8	Extended Detention Pond (P-3)	Brewster	Railroad Ave, Brewster
VB-DI-32	East Branch	Wells Brook Retrofit	67.8	Extended Detention Pond (P-3)	Brewster	Marvin Ave, Brewster
VPW-3	East Branch	Oak Shadow Ln West	0.0178	Channel Stabilization	Village of Pawling	Oak Shadow Ln
VPW-4	East Branch	Oak Shadow Ln East	0.0125	Channel Stabilization	Village of Pawling	Oak Shadow Ln
Y-MU-10	Muscoot	Railroad Ave Park	4.32	Pocket Pond (P-5)	Yorktown	Railroad Ave & Hanover St
Y-MU-11D	Muscoot	Junior Lake Parking Lot	0.07	Permeable Pavers	Yorktown	1939 Edgewater St
Y-MU-14	Muscoot	Police Station and Court	9.42	Wet Extended Detention Pond (P-3)	Yorktown	2281 Crompond Rd
Y-MU-17A	Muscoot	Sparkle Lake	1.8	HDS and Infiltration Trench	Yorktown	Granite Springs Road
Y-MU-17B	Muscoot	Sparkle Lake	4.3	Stormfilter	Yorktown	Granite Springs Road
# of Projects	155	Total Approved P-Removal (kg/yr)	647.9398			

Project ID	Carmel-AM-1000			Plan Year	Year 10 (2021)	Status	Design
				Watershed	Amawalk	Ownership	Private
Project Name	Marina Drive			Municipality	Carmel	County	Putnam
Site Address	Marina Drive, Carmel				Supervisor	Michael Cazzari	
Latitude	41.373828	Longitude	-73.730765		Field Recon Date	1/14/2021	
Site Owner	Multiple Owners						
Site Contact	Multiple Contacts						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
10.5	7.84	4.59	7.2	4.71	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor	TBD
Engineer Contact Info	Zac Pearson, P.E.		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
			Winter 2022				
Municipal Installation Agrerement Status		Sent		Private Installation Agreement Status		Sent	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Carmel-AM-1002		Plan Year	Year 10 (2021)	Status	Postponed
			Watershed	Amawalk	Ownership	Private/Public
Project Name	PARC Preschool		Municipality	Carmel	County	Putnam
Site Address	125 Baldwin Place Rd, Mahopac, NY 10541			Supervisor	Michael Cazzari	
Latitude		Longitude		Field Recon Date		
Site Owner	Multiple					
Site Contact						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
5.74	15.25	2.87			
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor
Engineer Contact Info	Zac Pearson, P.E.	
Contractor Contact		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
			Winter 2022				
Municipal Installation Agrerement Status			Private Installation Agreement Status				
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Carmel-CF-601			Plan Year	Year 6(2017)	Status	Closed
				Watershed	Croton Falls	Ownership	Private
Project Name	Eleanor Drive			Municipality	Carmel	County	Putnam
Site Address	22 Eleanor Drive (Mult. Owners)				Supervisor	Kenneth Schmitt	
Latitude	41.376891	Longitude	-73.709159		Field Recon Date	11/30/2016	
Site Owner	Multiple owners						
Site Contact	Matthew Castro, NYCDEP						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization
Revised Retrofit	Channel Stabilization

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
5.71	126	5.71	11.79	7.6	7.6
EOPCC (Estimate of Probable Construction Costs)		202000	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	KC Engineering	Const. Contractor	Werner Construction
Engineer Contact Info	John Bolger, 2142 NY-302, Circleville, NY 10919, 845-361-4541		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
11/9/2018	6/11/2019	12/1/2020	Spring 2021	9/1/2021	4/1/2021	12/14/2021	2/17/2022
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		Received	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
NYCDEP LUP	NYCDEP

Project ID	Carmel-CF-703			Plan Year	Year 7(2018)	Status	Design
				Watershed	Croton Falls	Ownership	Private
Project Name	Woodland Trail			Municipality	Carmel	County	Putnam
Site Address	Woodland Trail				Supervisor	Kenneth Schmitt	
Latitude	41.429723	Longitude	-73.675344		Field Recon Date	6/1/2018	
Site Owner	Multiple owners						
Site Contact	Katonah Management Services						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Stormfilter, Channel Stabilization
Revised Retrofit	Channel Stabilization

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
33.24	4.2	32.8	83.71	31.73	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	P&D Consulting Engineers, P.C.	Const. Contractor	TBD
Engineer Contact Info	Jason Pitingaro, 15 Industrial Dr, Middletown, NY 10941, 845-703-8140		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
4/15/2020	12/1/2021		Spring 2022				
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
Protection of Waters	NYSDEC

Project ID	Carmel-CF-801			Plan Year	Year 8(2019)	Status	Postponed
				Watershed	Croton Falls	Ownership	School
Project Name	Fulmar Rd Ele. School (A)			Municipality	Carmel	County	Putnam
Site Address	55 Fulmar Rd				Supervisor	Kenneth Schmitt	
Latitude	41.380343	Longitude	-73.716055		Field Recon Date		
Site Owner	Mahopac Central School District						
Site Contact	Michael Shore						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Bioretention
Revised Retrofit	Bioretention

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
1.6	3.35	1.1			
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	TBD	Const. Contractor	TBD
Engineer Contact Info			
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
		6/11/2014	TBD				
Municipal Installation Agrerement Status			No		Private Installation Agreement Status		No
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Carmel-CF-802			Plan Year	Year 8(2019)	Status	Postponed
				Watershed	Croton Falls	Ownership	School
Project Name	Fulmar Rd Ele. School (B)			Municipality	Carmel	County	Putnam
Site Address	55 Fulmar Rd				Supervisor	Kenneth Schmitt	
Latitude	41.380674	Longitude	-73.716793		Field Recon Date		
Site Owner	Mahopac Central School District						
Site Contact	Michael Shore						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Bioretention
Revised Retrofit	Bioretention

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
2.36	3.26	1.5			
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	TBD	Const. Contractor	TBD
Engineer Contact Info			
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
		6/11/2014	TBD				
Municipal Installation Agrerement Status			No		Private Installation Agreement Status		No
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Carmel-CF-901	Plan Year	Year 9(2020)	Status	Construction
		Watershed	Croton Falls	Ownership	Municipal
Project Name	Arborview A	Municipality	Carmel	County	Putnam
Site Address	Arborview Road		Supervisor	Kenneth Schmitt	
Latitude		Longitude		Field Recon Date	
Site Owner	Town of Carmel				
Site Contact	Town of Carmel				

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Wet ED Pond
Revised Retrofit	Catch Basin Inserts

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
16.55	31.6	7.28	31.79	13.49	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Dunn & Sgromo	Const. Contractor	FabCo Industries
Engineer Contact Info	Greg Sgromo, 5800 Heritage Landing Drive, East Syracuse, NY 13057, 315-449-4940		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
1/25/2021	11/11/2021	11/10/2021	Winter 2022		3/1/2022		
Municipal Installation Agrerement Status			No	Private Installation Agreement Status			No
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Carmel-CF-902			Plan Year	Year 9(2020)	Status	Construction
				Watershed	Croton Falls	Ownership	Municipal
Project Name	Arborview B			Municipality	Carmel	County	Putnam
Site Address	Brookview Drive				Supervisor	Kenneth Schmitt	
Latitude		Longitude		Field Recon Date			
Site Owner	Town of Carmel						
Site Contact	Town of Carmel						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Wet ED Pond
Revised Retrofit	Catch Basin Inserts

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
9.64	17.9	5.3	23.39	10.58	
EOPCC (Estimate of Probable Construction Costs)				Revised Efficiency (\$/kg)	

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Dunn & Sgromo	Const. Contractor	FabCo Industries
Engineer Contact Info	Greg Sgromo, 5800 Heritage Landing Drive, East Syracuse, NY 13057, 315-449-4940		
Contractor Contact	Carmel-CF-902		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
1/25/2021	11/11/2021	11/11/2021	Winter 2022				
Municipal Installation Agrerement Status			No	Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Carmel-GL-815			Plan Year	Year 8(2019)	Status	Design
				Watershed	Glenieda	Ownership	Public/Private
Project Name	Ridge Rd			Municipality	Carmel	County	Putnam
Site Address	Ridge Rd/Fowler Ave				Supervisor	Kenneth Schmitt	
Latitude	41.426328	Longitude	-73.680384		Field Recon Date		
Site Owner	Carmel						
Site Contact	Rich Franzetti, Town of Carmel						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Filter Chamber w/Channel St.
Revised Retrofit	Catch Basin Inserts

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
2.39	3.5	1.2	3.5	0.95	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	P&D Consulting Engineers, P.C.	Const. Contractor	TBD
Engineer Contact Info	Jason Pitingaro, 15 Industrial Dr, Middletown, NY 10941, 845-703-8140		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
4/15/2020			Winter 2022				
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
NYSDOT Work Permit	NYSDOT

Project ID	Kent-BC-830			Plan Year	Year 8(2019)	Status	Design
				Watershed	Boyds Corner	Ownership	Public
Project Name	Rambler Rd			Municipality	Kent	County	Putnam
Site Address	Rambler Rd and Seven Lakes Dr				Supervisor	Maureen Flemming	
Latitude	41.49089	Longitude	-73.74794		Field Recon Date		
Site Owner	Town of Kent						
Site Contact	Bruce Barber						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Filter Chamber
Revised Retrofit	Filter Chamber

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
5.46	3.5	2.19	9.9	2.18	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	P&D Consulting Engineers, P.C.	Const. Contractor	TBD
Engineer Contact Info	Jason Pitingaro, 15 Industrial Dr, Middletown, NY 10941, 845-703-8140		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
4/15/2020			Summer 2022				
Municipal Installation Agrerement Status		Received		Private Installation Agreement Status		Not Req	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Kent-CF-845			Plan Year	Year 8(2019)	Status	Design
				Watershed	Croton Falls	Ownership	Private
Project Name	Palmer Lake			Municipality	Kent	County	Putnam
Site Address	Palmer Trail and Route 52				Supervisor	Maureen Flemming	
Latitude	41.446938	Longitude	-73.673408		Field Recon Date		
Site Owner	Private						
Site Contact	Bruce Barber						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Wet ED Pond
Revised Retrofit	TBD

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
12.74	25.12	12.74		7	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor	TBD
Engineer Contact Info	Jeff Contelmo, 3 Garrett Pl, Carmel Hamlet, NY 10512, 845-225-9690		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
			Summer 2022				
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	L-CR-701			Plan Year	Year 7(2018)	Status	Design
				Watershed	Cross River	Ownership	School
Project Name	Lewisboro Elementary School			Municipality	Lewisboro	County	Westchester
Site Address	79 Bouton Rd				Supervisor	Peter Parsons	
Latitude	41.282097	Longitude	-73.567111		Field Recon Date		
Site Owner	Katonah-Lewisboro School District						
Site Contact	Peter Parsons						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
2.35	1.1	1.4	1.48	1.57	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Rennia Engineering	Const. Contractor	TBD
Engineer Contact Info	Rich Renna, 6 Dover Village Plz, Dover Plains, NY 12522 845-877-0555		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
4/23/2020	12/7/2021		Winter 2022				
Municipal Installation Agrerement Status			No	Private Installation Agreement Status			No
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	L-CR-803			Plan Year	Year 8(2019)	Status	Design
				Watershed	Cross River	Ownership	Municipal
Project Name	Lewisboro Town Park			Municipality	Lewisboro	County	Westchester
Site Address	890 Route 35				Supervisor	Peter Parsons	
Latitude	41.276397	Longitude	-73.587926		Field Recon Date		
Site Owner	Lewisboro						
Site Contact	Peter Parsons						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Subsurface Infiltration
Revised Retrofit	Infiltration Trench

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
3	1.4	3.01	13.47	3.01	
EOPCC (Estimate of Probable Construction Costs)		\$300,000	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Rennia Engineering	Const. Contractor	TBD
Engineer Contact Info	Rich Rennia, 6 Dover Village Plz, Dover Plains, NY 12522 845-877-0555		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
3/4/2020	6/9/2021		Spring 2022				
Municipal Installation Agrerement Status		Yes		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	L-CR-804			Plan Year	Year 8(2019)	Status	Design
				Watershed	Cross River	Ownership	Private
Project Name	Tarry-a-bit Drive			Municipality	Lewisboro	County	Westchester
Site Address	Mead St and Tarry a Bit Dr				Supervisor	Peter Parsons	
Latitude	41.295247	Longitude	-73.593119		Field Recon Date		
Site Owner	Multiple owners						
Site Contact							

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization, Pocket Wetland
Revised Retrofit	Channel Stabilization and Bioinfiltration

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
54.49	71.16	46.18	67.15	46.2	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	HVEA	Const. Contractor	TBD
Engineer Contact Info	Lora Schilling, P.E.		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
8/23/2021			Spring 2022				
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		Sent	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	L-CR-805			Plan Year	Year 8(2019)	Status	Design
				Watershed	Cross River	Ownership	Public
Project Name	Salem Hill Rd			Municipality	Lewisboro	County	Westchester
Site Address	Salem Hill Rd and Mead St				Supervisor	Peter Parsons	
Latitude	41.277197	Longitude	-73.556635		Field Recon Date		
Site Owner	Lewisboro						
Site Contact	Peter Parsons						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Chamber Filter
Revised Retrofit	Catch Basin Inserts

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
3	6.7	1.19	10.07	1.73	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Rennia Engineering	Const. Contractor	TBD
Engineer Contact Info	Rich Renna, 6 Dover Village Plz, Dover Plains, NY 12522 845-877-0555		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
2/27/2020	12/7/2021		Winter 2022				
Municipal Installation Agrerement Status		Yes		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	L-MU-715			Plan Year	Year 7(2018)	Status	Postponed
				Watershed	Muscoot	Ownership	Private
Project Name	Goldens Bridge Train Station			Municipality	Lewisboro	County	Westchester
Site Address	1 Old Bedford Rd				Supervisor	Peter Parsons	
Latitude	41.294896	Longitude	-73.678176		Field Recon Date		
Site Owner	NYCDEP/MTA						
Site Contact	Matthew Castro						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
11.23	5.25	5.62	6.36	6.42	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	KC Engineering	Const. Contractor	TBD
Engineer Contact Info	John Bolger, 2142 NY-302, Circleville, NY 10919, 845-361-4541		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
11/9/2018	5/8/2019	2/28/2020	TBD				
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	MK-NC-22			Plan Year	4 (2013)	Status	Closed
				Watershed	New Croton	Ownership	Municipal
Project Name	Leonard Park			Municipality	Mt. Kisco	County	Westchester
Site Address	104 Main St				Supervisor	Gina Picinich	
Latitude	41.194624	Longitude	-73.723445		Field Recon Date		
Site Owner	Village of Mt Kisco						
Site Contact							

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Bioretention/Wet Pond
Revised Retrofit	Bioretention/Surface Sand Filter

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
14.43	30.42	4.8	30.42	9.01	9.01
EOPCC (Estimate of Probable Construction Costs)		929359	Revised Efficiency (\$/kg)		TBD

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Rennia Engineering Design	Const. Contractor	Legacy Supply, LLC
Engineer Contact Info	Rich Renna; 845-877-0555; rich@renniadesign.com		
Contractor Contact	Lis Cassidy; Legacy Valve, (914) 403-5075; lisa@legacyvalve.com		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
8/12/2013	4/28/2014	7/31/2015	Summer 2020	12/31/2020	9/1/2020	10/25/2021	2/17/2022
Municipal Installation Agrerement Status			Yes		Private Installation Agreement Status		N/A
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
Stream Disturbance	NYSDEC/USACOE

Project ID	MK-NC-601			Plan Year	Year 6(2017)	Status	Closed
				Watershed	New Croton	Ownership	Public
Project Name	Village Hall			Municipality	Mt. Kisco	County	Westchester
Site Address	104 Main St				Supervisor	Gina Picinich	
Latitude	41.205618	Longitude	-73.728352		Field Recon Date		
Site Owner	Multiple owners						
Site Contact	Ed Brancanti, Village Manager						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
8.66	4.26	4.45	3.56	3.32	3.32
EOPCC (Estimate of Probable Construction Costs)		21978	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	BY TOWN	Const. Contractor	FabCo Industries
Engineer Contact Info			
Contractor Contact			

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
Municipal Installation Agrerement Status		Yes		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

Site visit on 5.16.17 to determine the SRP viability as well as recommned SRP for the project.
Surface sand filter may work west of Village Hall and catch basin inserts may be viable for a number of locations.

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	MK-NC-602			Plan Year	Year 6(2017)	Status	Construction
				Watershed	New Croton	Ownership	Private
Project Name	Mt. Kisco Commons			Municipality	Mt. Kisco	County	Westchester
Site Address	195 North Bedford Rd				Supervisor	Gina Picinich	
Latitude	41.215798	Longitude	-73.722053		Field Recon Date		
Site Owner	Urban Edge Properties						
Site Contact	Project Manager Development and Consstruction						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
32.47	15.8	16.23	8.95	5.25	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	HVEA	Const. Contractor	FabCo Industries
Engineer Contact Info	Matthew Sorrell, HVEA, 560 NY-52, Suite 201, Beacon, NY 12508 845-838-3600		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
3/25/2020	7/1/2020	10/8/2020	Ongoing				
Municipal Installation Agrerement Status		Received		Private Installation Agreement Status		Received	
Municipal Reimbursement Date							

General Project Notes

Initial contact for Urban Edge has introduction letter 2.17.17. No movement from Urban Edge due to internal management change. Brayan Silva point of contact 3.29.17. 3.31.17 Sent Fabco Insert Information to Brayan. Sent Draft IA on 4.7.17. Site Visit on 5.16.17 to determine if catchbasins are viable solution forthe project.

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	NewC-NCR-33A	Plan Year	5 (2014)	Status	Design
		Watershed	New Croton	Ownership	Public
Project Name	Burden Preserve	Municipality	New Castle	County	Westchester
Site Address	Harriman Rd/Sheather Rd		Supervisor	Robert Greenstein	
Latitude	41.176249	Longitude	-73.724601	Field Recon Date	
Site Owner	Town of New Castle				
Site Contact	Robert Cioli, P.E.				

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization
Revised Retrofit	Channel Stabilization

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
9.43	23.2	3.11	10	9.43	
EOPCC (Estimate of Probable Construction Costs)		300000	Revised Efficiency (\$/kg)		TBD

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Municipal Engineer	Const. Contractor	
Engineer Contact Info	Robert Cioli, PE 914.238.7279		
Contractor Contact			

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
7/15/2016			Spring 2022				
Municipal Installation Agrerement Status		Yes		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
Wetlands Permit	Town
E&SC Permit	Town
JD Letter	USACOE
Wetland Letter	NYSDEC

Project ID	NewC-NCR-33B			Plan Year	5 (2014)	Status	Design
				Watershed	New Croton	Ownership	Public
Project Name	Burden Preserve			Municipality	New Castle	County	Westchester
Site Address	Harriman Rd/Sheather Rd				Supervisor	Robert Greenstein	
Latitude	41.175352	Longitude	-73.724495		Field Recon Date		
Site Owner	Town of New Castle						
Site Contact	Robert Cioli, P.E.						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization
Revised Retrofit	Channel Stabilization

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
4.68	23.2	3.11	2.78	4.68	
EOPCC (Estimate of Probable Construction Costs)		150000	Revised Efficiency (\$/kg)		TBD

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Municipal Engineer	Const. Contractor
Engineer Contact Info	Robert Cioli, PE 914.238.7279	
Contractor Contact		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
7/15/2016			Spring 2022				
Municipal Installation Agrerement Status		Yes		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
Wetland Permit	Town
E&SC Permit	Town
JD Letter	USACOE
Wetland Letter	NYSDEC

Project ID	NewC-NCR-801			Plan Year	Year 8(2019)	Status	Design
				Watershed	New Croton	Ownership	Private
Project Name	Courtmel Rd			Municipality	New Castle	County	Westchester
Site Address	24 Courtmel Rd				Supervisor	Ivy Pool	
Latitude	41.210627	Longitude	-73.741152		Field Recon Date		
Site Owner	NYCDEP						
Site Contact	Matt Castro, NYCDEP						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization
Revised Retrofit	Channel Stabilization and Catch basin Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
7.42	9.12	4.97		22.67	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Hudson Engineering	Const. Contractor	TBD
Engineer Contact Info	Michael Stein, Hudson Eng., 55 S. Broadway, Tarrytown, NY 10591, 914-909-0420		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
8/19/2019	12/31/2020		Spring 2022				
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
LUP	NYCDEP

Project ID	NS-EB-901	Plan Year	Year 9(2020)	Status	Construction
		Watershed	East Branch	Ownership	Private
Project Name	Vails Grove	Municipality	North Salem	County	Westchester
Site Address	5 Vail Blvd, Brewster, NY 10509		Supervisor	Warren Lucas	
Latitude		Longitude		Field Recon Date	
Site Owner	Vail's Grove HOA				
Site Contact	Town of North Salem				

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
22.73	39.8	11.4	4.628	9.905	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	P&D Consulting Engineers, P.C.	Const. Contractor	
Engineer Contact Info	Jason Pitingaro, 15 Industrial Dr, Middletown, NY 10941, 845-703-8140		
Contractor Contact			

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
12/14/2020	6/25/2021	12/1/2021	Winter 2022				
Municipal Installation Agreement Status			No	Private Installation Agreement Status		Received	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	NS-MU-601			Plan Year	Year 6(2017)	Status	Design
				Watershed	Titicus	Ownership	Private
Project Name	Keeler Lane			Municipality	North Salem	County	Westchester
Site Address	Multiple addresses				Supervisor	Warren Lucas	
Latitude	41.327277	Longitude	-73.568831		Field Recon Date		
Site Owner	Multiple owners						
Site Contact	Warren Lucas						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization
Revised Retrofit	Channel Stabilization

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
6.1	25.1	3.7		31.36	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor	TBD
Engineer Contact Info	Jeff Contelmo, 3 Garrett Pl, Carmel Hamlet, NY 10512, 845-225-9690		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
10/15/2019	10/7/2021		Spring 2022				
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

3.29.17- Engineering Evaluation Draft

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	NS-MU-701			Plan Year	Year 7(2018)	Status	Closed
				Watershed	Muscoot	Ownership	Private
Project Name	Croton Falls Train Station			Municipality	North Salem	County	Westchester
Site Address	Back Street				Supervisor	Warren Lucas	
Latitude	41.348374	Longitude	-73.663322		Field Recon Date		
Site Owner	NYCDEP						
Site Contact	Matthew Castro						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
1.97		1.97		1.97	1.97
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	KC Engineering	Const. Contractor	FabCo Industries
Engineer Contact Info	John Bolger, 2142 NY-302, Circleville, NY 10919, 845-361-4541		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
11/9/2018	5/8/2019	2/28/2020					2/17/2020
Municipal Installation Agrerement Status		Yes		Private Installation Agreement Status		Yes	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
NYCDEP LUP	

Project ID	NS-MU-702			Plan Year	Year 7(2018)	Status	Postponed
				Watershed	Muscoot	Ownership	Private
Project Name	Purdys Train Station			Municipality	North Salem	County	Westchester
Site Address	Route 116				Supervisor	Warren Lucas	
Latitude	41.325521	Longitude	-73.659613		Field Recon Date		
Site Owner	NYCDEP						
Site Contact	Matthew Castro						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
6.42	3	3.21	3.19	2.63	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	KC Engineering	Const. Contractor	TBD
Engineer Contact Info	John Bolger, 2142 NY-302, Circleville, NY 10919, 845-361-4541		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
11/9/2018	5/8/2019	2/28/2020	TBD				
Municipal Installation Agrerement Status			No	Private Installation Agreement Status			No
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Pat-EB-601			Plan Year	Year 6(2017)	Status	Postponed
				Watershed	East Branch	Ownership	Public/Private
Project Name	Valley Rd			Municipality	Patterson	County	Putnam
Site Address	Multiple addresses				Supervisor	Richard Williams	
Latitude	41.458427	Longitude	-73.535892		Field Recon Date		
Site Owner	Multiple owners						
Site Contact	Town of Patterson						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Multiple Ponds
Revised Retrofit	Multiple Ponds

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
52.1	96.4	21	143.1	14.2	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	KC Engineering	Const. Contractor	TBD
Engineer Contact Info	John Bolger, 2142 NY-302, Circleville, NY 10919, 845-361-4541		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
10/6/2017			TBD				
Municipal Installation Agrerement Status		No			Private Installation Agreement Status		No
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
CPDP	NYCDEP

Project ID	Pat-EB-701			Plan Year	Year 7(2018)	Status	Postponed
				Watershed	East Branch	Ownership	Private
Project Name	Patterson Train Station			Municipality	Patterson	County	Putnam
Site Address	Front Street				Supervisor	Richard Williams	
Latitude	41.511793	Longitude	-73.604402		Field Recon Date		
Site Owner	MTA						
Site Contact	MTA						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
3.77	1.76	1.89	1.34	1.71	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	KC Engineering	Const. Contractor	TBD
Engineer Contact Info	John Bolger, 2142 NY-302, Circleville, NY 10919, 845-361-4541		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
11/9/2018		7/24/2019	TBD				
Municipal Installation Agrerement Status			No		Private Installation Agreement Status		No
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	PR-CR-601			Plan Year	Year 6(2017)	Status	Design
				Watershed	Cross River	Ownership	Public
Project Name	Cross Rd			Municipality	Pound Ridge	County	Westchester
Site Address	Cross Rd and Route 121				Supervisor	Kevin Hansan	
Latitude	41.256075	Longitude	-73.562923		Field Recon Date		
Site Owner	Municipal						
Site Contact	Town of Pound Ridge						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Bank Stabilization
Revised Retrofit	Impervious removal

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
1.76	5.78	2.4		0.39	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	HVEA	Const. Contractor	TBD
Engineer Contact Info	Matthew Sorrell, HVEA, 560 NY-52, Suite 201, Beacon, NY 12508 845-838-3600		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
	10/13/2020		Winter 2022				
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	PR-CR-701			Plan Year	Year 7(2018)	Status	Closed
				Watershed	Cross River	Ownership	Private
Project Name	Parkview Drive			Municipality	Pound Ridge	County	Westchester
Site Address	114 Parkview Road North				Supervisor	Kevin Hansan	
Latitude	41.246723	Longitude	-73.564387		Field Recon Date		
Site Owner	Private						
Site Contact	Town of Pound Ridge						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization
Revised Retrofit	Channel Stabilization

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
2.09		2.09	62.26	9.25	9.25
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	P&D Consulting Engineers, P.C.	Const. Contractor	Coyle Construction
Engineer Contact Info	Jason Pitingaro, 15 Industrial Dr, Middletown, NY 10941, 845-703-8140		
Contractor Contact			

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
4/15/2020	10/13/2020	2/4/2021	6/1/2021	12/31/2021	4/14/2021	11/28/2021	2/17/2022
Municipal Installation Agrerement Status		Yes		Private Installation Agreement Status		Yes	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	S-AM-1015			Plan Year	Year 10 (2021)	Status	Design
				Watershed	Amawalk	Ownership	Private
Project Name	Woodcrest Terrace			Municipality	Somers	County	Westchester
Site Address	110 Woodcrest Terrace, Amawalk, NY 10501				Supervisor	Robert Scannaro	
Latitude	41.297136	Longitude	-73.755189		Field Recon Date	10/20/2020	
Site Owner	Multiple Owners						
Site Contact	Multiple						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization and CB Insert
Revised Retrofit	Channel Stabilization, CB Inserts

☐ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
9.29	6.59	7.56		7.56	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	P&D Consulting Engineers, P.C.	Const. Contractor	TBD
Engineer Contact Info	Jason Pitingaro, 15 Industrial Drive, Middletown, NY 10941		
Contractor Contact			

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
1/26/2022			Spring 2022				
Municipal Installation Agrerement Status			Private Installation Agreement Status				
Municipal Reimbursement Date			Sent				

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	S-CF-901	Plan Year	Year 9(2020)	Status	Design
		Watershed	Croton Falls	Ownership	Private
Project Name	Greenbriar Subdivision	Municipality	Somers	County	Westchester
Site Address	64 Green Briar Dr, Somers, NY 10589		Supervisor	Robert Scorrano	
Latitude		Longitude		Field Recon Date	
Site Owner	Greenbriar HOA				
Site Contact	Town of Somers				

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
17.75	29.16	8.87	7.629	16.33	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	P&D Consulting Engineers, P.C.	Const. Contractor	
Engineer Contact Info	Jason Pitingaro, 15 Industrial Dr, Middletown, NY 10941, 845-703-8140		
Contractor Contact			

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
	3/12/2021		Winter 2022				
Municipal Installation Agrerement Status			No		Private Installation Agreement Status		No
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	SE-DI-701	Plan Year	Year 7(2018)	Status	Design
		Watershed	Diverting	Ownership	Private
Project Name	Southeast Train Station	Municipality	Southeast	County	Putnam
Site Address	1 Independent Way		Supervisor	Tony Hay	
Latitude	41.414734	Longitude	-73.623871	Field Recon Date	
Site Owner	MTA				
Site Contact	MTA				

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Catch Basin Inserts
Revised Retrofit	Catch Basin Inserts

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
15.61	7.88	7.81	4.24	4.2	
EOPCC (Estimate of Probable Construction Costs)		TBD	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	KC Engineering	Const. Contractor	TBD
Engineer Contact Info	John Bolger, 2142 NY-302, Circleville, NY 10919, 845-361-4541		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
11/9/2018	5/8/2019	2/28/2020	Spring 2022				
Municipal Installation Agrerement Status		No		Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	SE-DI-815			Plan Year	Year 8(2019)	Status	Design
				Watershed	Diverting	Ownership	Private
Project Name	Eagle's Ridge Subdivision			Municipality	Southeast	County	Putnam
Site Address	Eagle Ridge Rd				Supervisor	Tony Hay	
Latitude	41.407759	Longitude	-73.625648		Field Recon Date		
Site Owner	Eagle's Ridge HOA						
Site Contact	Peg Routhier, REI Management						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stab. & Wet ED Pond
Revised Retrofit	Channel Stab. & Wet ED Pond

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
43.01	9.12	40.46	19	87.02	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Rennia Engineering	Const. Contractor	TBD
Engineer Contact Info	Rich Rennia, 6 Dover Village Plz, Dover Plains, NY 12522 845-877-0555		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
1/10/2020	2/17/2021		Spring 2022				
Municipal Installation Agrerement Status			No	Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
CPDP, NYCDEP SWPPP	NYCDEP

Project ID	SE-EB-715			Plan Year	Year 7(2018)	Status	Construction
				Watershed	East Branch	Ownership	Private
Project Name	Scolpino Park			Municipality	Southeast	County	Putnam
Site Address	Doansburg Rd/Fieldstone Dr				Supervisor	Tony Hay	
Latitude	41.43736	Longitude	-73.568235		Field Recon Date		
Site Owner	Town of Southeast						
Site Contact	Town of Southeast						

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Surface Sand Filters
Revised Retrofit	Porous asphalt and Bioretention

☒ FAD Connected Basin?

Proposed P-Load (kg)	FEF DA (ac.)	FEF P Removal (kg)	Revised DA (ac.)	Revised P removal (kg)	App'd P-Red by DEC (kg)
2.99	2.96	1.76	3	4.58	
EOPCC (Estimate of Probable Construction Costs)		212640	Revised Efficiency (\$/kg)		46428

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor	Yonkers Excavating
Engineer Contact Info	Jeff Contelmo, 3 Garrett Pl, Carmel Hamlet, NY 10512, 845-225-9690		
Contractor Contact	TBD		

SIGNIFICANT PROJECT MILESTONE DATES

Initial Eval Rec'd	60% Rec'd	100% Rec'd	Const. Start (est)	Constr End (est)	Const. start (act)	Constr. End (act)	Rec Docs App'd
3/23/2020	9/1/2020	1/21/2021	Fall 2021	3/31/2022	10/17/2021		
Municipal Installation Agrerement Status		Yes		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name