



EAST OF HUDSON WATERSHED CORPORATION

2023 Annual Report

February 2024

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



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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: Lauri Taylor
14. Putnam County: Mary Ellen O'Dell
15. Town of Putnam Valley: Jacqueline Annabi
16. Town of Pound Ridge: Kevin Hansan
17. Town of Somers: Robert Scorrano (Vice President)
18. Town of Southeast: Tony Hay
19. Town of Yorktown: Thomas Diana

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.



Stabilization Installation: NewC-NCR-801

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 2019-2024, depending on several factors including design progress, municipal review and acceptance, and easement negotiations.



Post Construction NewC-NCR-801

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 710.6 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 964 kg/yr. All projects which were actively worked on by the EOHWC during the Calendar Year of 2023 can be found within this section and within Appendix B.



**Parking Lot Subsurface Infiltration:
L-CR-804**

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 2024.

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 2024.

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 2024.

Carmel-GL-915 (Lake Gleneida – Year 9) – Located in the Town of Carmel, the proposed SRP includes installation of bio-infiltration chambers within the NYSDOT and Town right-of-way. The project will be installed in 2024.

Kent-MB-1000 (Longfellow Rd – Year 10) – Located in the Town of Kent, the proposed SRP includes the installation of filter chambers within the public right of way and the stabilization of multiple eroded channels on private property. The project is in design and is expected to be constructed in 2024.

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 completed construction in 2023.

L-CR-804 (Tarry-a-bit – Year 8) – Located in the Town of Lewisboro, the proposed SRP includes the stabilization of multiple channels on private property. The project is currently in design and is expected to complete construction in 2024.

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 began installation in 2023 and was completed in early 2024.

L-MU-1001 (Waccabuc Country Club – Year 10) – Located in the Town of Lewisboro, the proposed SRP includes installation of bio-infiltration on municipal property. The project is in design and will be installed in late 2024.

L-MU-1017 (Lake Katonah – Year 10) – Located in the Town of Lewisboro, the proposed SRP includes installation of bio-infiltration chambers within private property. The project is in design and will be installed in early 2024.

NewC-NCR-601 (Sheather Road – Year 6) – Located in the Town of New Castle, the proposed SRP is for the stabilization of a heavily embankment and installation of bio-

infiltration chambers to address water quality. The project is in design and will go to construction in 2024.

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 will wrap up construction in 2024.

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 began construction in 2023 and will be completed in 2024.

PC-MB-1000 (John Simpson Road – Year 10) – Located in Putnam County, the proposed SRP includes installation of an infiltration basin and stabilization of multiple channels on County property. The project began construction in late 2023.

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 2024.

PW-MB-1000 (Lake Dutchess – Year 10) – Located in the Town of Pawling, the proposed SRP is for the removal of impervious cover, installation of bio-infiltration, and outfall stabilization within a lakefront community. The project is in design and will be constructed in 2024.

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 2024.

S-CF-901 (Greenbriar Subdivision – Year 9) – Located in the Town of Somers, the project involves the installation of filtration chambers within the municipal right of way. The project is in the design phase and construction is estimated to occur in 2024.

Y-MU-40 (Hallock’s Mill Rd – Year 5) – Located in the Town of Yorktown, the proposed SRP is for the installation of bio-infiltration and channel stabilization within Town property. The project will be constructed in 2024.

Y-MU-1001 (Northern Westchester Executive Park – Year 10) – Located in the Town of Yorktown, the proposed SRP is for the installation of bio-infiltration within the Town right of way of Strang Blvd. The project is in design and will go to construction in 2024.

Project ID	Carmel-AM-1000			Plan Year	Year 10(2021)	Status	Construction
				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
1/7/2022	6/13/2022		Spring 2024	7/1/2024			
Municipal Installation Agreement Status		Sent		Private Installation Agreement Status		Sent	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

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	Michael Cazzari	
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	11.73	
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	1/23/2023	Spring 2024	9/1/2024			
Municipal Installation Agreement 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-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	Michael Cazzari	
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	1.14	
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	6/10/2022		Spring 2024				
Municipal Installation Agreement Status		Sent		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
NYSDOT Work Permit	NYSDOT

Project ID	Carmel-GL-915		Plan Year	Year 9(2020)	Status	Design
			Watershed	Croton Falls	Ownership	Private
Project Name	Lake Gleneida		Municipality	Carmel	County	Putnam
Site Address	Gleneida Ave			Supervisor	Michael Cazzari	
Latitude	41.4214	Longitude	-73.6788	Field Recon Date		
Site Owner	NYCDEP/NYS DOT, Town of Carmel					
Site Contact	Matthew Castro - NYCDEP					

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Multiple Retrofits
Revised Retrofit	Bio-infiltration

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)
27.04	24.8	15.96		4.82	
EOPCC (Estimate of Probable Construction Costs)				Revised Efficiency (\$/kg)	

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor
Engineer Contact Info	Evan Pendleton, EPendleton@insite-eng.com	
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
1/16/2023			Spring 2024				
Municipal Installation Agreement Status			No	Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	C-NC-1000	Plan Year	Year 10(2021)	Status	Construction
		Watershed	New Croton	Ownership	School
Project Name	Walter Panas HS	Municipality	Cortlandt	County	Westchester
Site Address	300 Croton Ave, Cortlandt, NY 10567		Supervisor	Richard Becker	
Latitude	41.278226	Longitude	-73.857495	Field Recon Date	
Site Owner	Lakeland Central School District				
Site Contact	George Prine, Buildings and Grounds				

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)
8.88	6.36	3.61	5.9	3.78	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor	Legacy Supply
Engineer Contact Info	Zac Pearson, ZPearson@insite-eng.com		
Contractor Contact	Lisa Cassidy		

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
11/30/2021	6/1/2022	4/1/2023	Ongoing		8/1/2023		
Municipal Installation Agreement Status			Received		Private Installation Agreement Status		Received
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Kent-MB-1000		Plan Year	Year 10(2021)	Status	Design
			Watershed	Middle Branch	Ownership	Private
Project Name	Longfellow Drive		Municipality	Kent	County	Putnam
Site Address	Longfellow Dr, Lake Carmel, NY 10512			Supervisor		
Latitude	41.477097	Longitude	-73.656956	Field Recon Date		
Site Owner	E.S.B.E. LLC					
Site Contact	Paul Camarda					

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization & Stormfilter
Revised Retrofit	Channel Stabilization and Filter Chambers

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)
88.37	34.3	78.47		78.5	
EOPCC (Estimate of Probable Construction Costs)		\$1,500,000	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor
Engineer Contact Info	Jeff Contelmo, 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
9/1/2022	11/14/2022		Spring 2024				
Municipal Installation Agrerement Status		Sent		Private Installation Agreement Status		Sent	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name
NYCDEP SWPPP	NYCDEP
NYCDEP CPDP	NYCDEP

Project ID	L-CR-803	Plan Year	Year 8(2019)	Status	Closed
		Watershed	Cross River	Ownership	Municipal
Project Name	Lewisboro Town Park	Municipality	Lewisboro	County	Westchester
Site Address	1079 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	Subsurface Infiltration

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	3.01
EOPCC (Estimate of Probable Construction Costs)		\$300,000	Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Rennia Engineering	Const. Contractor	Coyle Construction
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	8/22/2022	Ongoing		12/20/2022		
Municipal Installation Agreement 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	Tony Goncalves	
Latitude	41.295247	Longitude	-73.593119	Field Recon Date	
Site Owner	Private, Three Lakes Council				
Site Contact	Janet Anderson, 3LC				

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Channel Stabilization, Pocket Wetland
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)
54.49	71.16	46.18	67.15	17.6	
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	1/11/2023	2/10/2023	Spring 2024				
Municipal Installation Agreement 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	Construction
			Watershed	Cross River	Ownership	Public
Project Name	Salem Hill Rd		Municipality	Lewisboro	County	Westchester
Site Address	Salem Hill Rd and Mead St			Supervisor	Tony Goncalves	
Latitude	41.277197	Longitude	-73.556635	Field Recon Date		
Site Owner	Town of Lewisboro					
Site Contact	Tony Goncalves					

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 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
2/27/2020	12/7/2021	6/21/2022	Fall 2023		10/1/2023	12/29/2023	
Municipal Installation Agreement Status		Yes		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	L-CR-1001		Plan Year	Year 10(2021)	Status	Design
			Watershed	Cross River	Ownership	Private
Project Name	Waccabuc Country Club Waterfront		Municipality	Lewisboro	County	Westchester
Site Address	Perch Bay Road			Supervisor	Tony Goncalves	
Latitude	41.29432	Longitude	-73.586373	Field Recon Date		
Site Owner	Waccabuc Country Club					
Site Contact	John Assuma					

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Bio-infiltration
Revised Retrofit	Bio-infiltration

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)
2.58	4.85	2.58	4.85	1.42	
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
2/21/2023	10/1/2023		Fall 2024				
Municipal Installation Agreement Status		Sent		Private Installation Agreement Status		Sent	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	L-MU-1017		Plan Year	Year 10(2021)	Status	Design
			Watershed	Muscoot	Ownership	Private
Project Name	Lake Katonah		Municipality	Lewisboro	County	Westchester
Site Address	78 Upper Lake Shore Drive			Supervisor	Tony Goncalves	
Latitude	41.285214	Longitude	-73.6528	Field Recon Date	6/1/2021	
Site Owner	Adam and Cheryl Neuburger					
Site Contact	Cheryl Neuburger					

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Bio-infiltration and channel stabilization
Revised Retrofit	Bio-retention

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)
7.1	13.29	7.1	13.29	4.5	
EOPCC (Estimate of Probable Construction Costs)			Revised Efficiency (\$/kg)		

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor
Engineer Contact Info	Zac Pearson, PE	
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
11/23/2022		7/7/2023	TBD				
Municipal Installation Agreement Status				Private Installation Agreement Status			
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	NewC-NCR-601	Plan Year	Year 6(2017)	Status	Design
		Watershed	New Croton	Ownership	Public
Project Name	Sheather Rd	Municipality	New Castle	County	Westchester
Site Address	Burden Preserve		Supervisor	Ivy Pool	
Latitude		Longitude		Field Recon Date	
Site Owner	Town of New Castle				
Site Contact	Sabrina Charney-Hull, 914-238-4771				

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Bank Stabilization
Revised Retrofit	Channel Stabilization and Bio-filtration

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)
25		25		8.6	
EOPCC (Estimate of Probable Construction Costs)		TBD		Revised Efficiency (\$/kg)	

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Tectonic Engineering	Const. Contractor	
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
			Winter 2024				
Municipal Installation Agreement Status		No		Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

Potential municipal reimbursement with New Castle in coordination with a public works project 1/2024, Project will move forward as bank stabilization by the Town. EOHWC will install water-quality treatment for the drainage area at a later date, with NYSDEC approval

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	NewC-NCR-801		Plan Year	Year 8(2019)	Status	Closed
			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	26.29
EOPCC (Estimate of Probable Construction Costs)				Revised Efficiency (\$/kg)	

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Hudson Engineering	Const. Contractor	ConTech Construction Technolog
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	7/5/2022	Ongoing		12/20/2022		
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-MU-601		Plan Year	Year 6(2017)	Status	Construction
			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	Coyle Construction Ind.
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	4/12/2022	Ongoing				
Municipal Installation Agreement 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	PC-MB-1000		Plan Year	Year 10(2021)	Status	Construction
			Watershed	Middle Branch	Ownership	Municipal
Project Name	John Simpson Road		Municipality	Putnam County	County	Putnam
Site Address	John Simpson Road and Route 6			Supervisor		
Latitude	41.417367	Longitude	-73.647142	Field Recon Date		
Site Owner	Putnam County					
Site Contact	John Tully					

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Bio-infiltration
Revised Retrofit	Infiltration Basin/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)
7.72	44.7	7.72	14.9	8.63	
EOPCC (Estimate of Probable Construction Costs)			311,772	Revised Efficiency (\$/kg)	

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	Insite Engineering	Const. Contractor	WD Excavation
Engineer Contact Info	Zac Pearson, PE		
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
1/17/2023	3/15/2023	7/1/2023			12/1/2023		
Municipal Installation Agreement Status			Received		Private Installation Agreement Status		Not Req
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	PR-CR-601		Plan Year	Year 6(2017)	Status	Construction
			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		Ongoing				
Municipal Installation Agreement Status	No		Private Installation Agreement Status	No			
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	PW-MB-1000		Plan Year	Year 10(2021)	Status	Design
			Watershed	Middle Branch	Ownership	Private
Project Name	Lake Dutchess		Municipality	Town of Pawling	County	Dutchess
Site Address	Dutchess Dr, Pawling, NY 12531			Supervisor		
Latitude	41.520428	Longitude	-73.670171	Field Recon Date	9/15/2021	
Site Owner	Multiple Owners					
Site Contact	Multiple Contacts					

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Multiple Retrofits
Revised Retrofit	Multiple Retrofits

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)
4.91	50.5	4.91		1.62	
EOPCC (Estimate of Probable Construction Costs)				Revised Efficiency (\$/kg)	

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	HVEA	Const. Contractor	
Engineer Contact Info	Lora Schilling, Emma Chilton		
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
10/1/2023			Winter 2024				
Municipal Installation Agreement Status			Private Installation Agreement Status				
Municipal Reimbursement Date							

General Project Notes

12/1/2023, managing title requirements for the private road and impact to private property

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	15.1	8.81	
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
9/15/2021	1/26/2022		Winter 2024				
Municipal Installation Agreement Status		Sent		Private Installation Agreement Status		Sent	
Municipal Reimbursement Date							

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	Filter Chambers

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	14.4	
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	2/16/2022		Winter 2024				
Municipal Installation Agreement Status			No	Private Installation Agreement Status		No	
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Y-MU-40	Plan Year	Year 5 (2014)	Status	Construction
		Watershed	Muscoot	Ownership	Public
Project Name	Hallocks Mill	Municipality	Yorktown	County	Westchester
Site Address	Saw Mill River Rd/Ridge St/Hallocks Mill Rd		Supervisor	Thomas Diana	
Latitude		Longitude		Field Recon Date	10/10/2012
Site Owner	Town of Yorktown				
Site Contact	Town of Yorktown				

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Wet Pond
Revised Retrofit	Biofiltration & 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)
27.03	60.9	14.87	59.87	30.4	
EOPCC (Estimate of Probable Construction Costs)			TBD	Revised Efficiency (\$/kg)	N/A

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	HVEA	Const. Contractor	Coyle Construction
Engineer Contact Info	Lora Schilling		
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
1/27/2023			Ongoing				
Municipal Installation Agreement Status			Received	Private Installation Agreement Status		N/A	
Municipal Reimbursement Date							

General Project Notes

Originally part of Year 4 Workplan, postponed to Year 5, reintroduced in 2022 as FocalPoint and channel stabilization USACOE Funding for construction

PERMIT INFORMATION

Permit Name	Agency Name

Project ID	Y-MU-1001			Plan Year	Year 10(2021)	Status	Design
				Watershed	Muscoot	Ownership	Private
Project Name	Northern Westchester Exec. Park			Municipality	Yorktown	County	Westchester
Site Address	2651 Strang Blvd, Yorktown				Supervisor	Thomas Diana	
Latitude	41.295333	Longitude	-73.818889	Field Recon Date	2/10/2021		
Site Owner	Town of Yorktown						
Site Contact							

RETROFIT AND PHOSPHORUS LOADING/REDUCTION INFORMATION

FEF Retrofit	Focalpoint Bioretention
Revised Retrofit	FocalPoint 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)
20.82	12.21	13.53		19.2	
EOPCC (Estimate of Probable Construction Costs)				Revised Efficiency (\$/kg)	

DESIGN AND CONSTRUCTION INFORMATION

Design Engineer	HVEA	Const. Contractor	
Engineer Contact Info	Lora Schilling, Jillian Darcy		
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
	8/15/2023	1/2/2024	Winter 2024				
Municipal Installation Agreement Status				Private Installation Agreement Status			
Municipal Reimbursement Date							

General Project Notes

PERMIT INFORMATION

Permit Name	Agency Name