WESTCHESTER JOINT WATER WORKS

Pre-Meeting Packet

For

Tuesday, January 12, 2021 at 3:30 p.m.

Board Meeting

NOTICE OF MEETING

WESTCHESTER JOINT WATER WORKS
BOARD OF TRUSTEES
MEETING

The Westchester Joint Water Works Board of Trustees Meeting has been scheduled for:

DATE: **January 12, 2021**

DAY: **Tuesday**

TIME: **3:30 p.m.**

LOCATION: **Westchester Joint Water Works**
1625 Mamaroneck Avenue
Mamaroneck, NY 10543

Due to coronavirus concerns and in accordance with the Governor's Executive Order 202.1, the public will be able to attend the meeting remotely through an audio conference – access information to be provided in advance of the meeting on WJWW's website, www.wjww.com

If you have any questions, please call (914) 698-3500, extension 610.

WESTCHESTER JOINT WATER WORKS
BOARD OF TRUSTEES MEETING AGENDA

Tuesday, January 12, 2021 at 3:30 p.m.
In
Main Office Conference Room

Due to coronavirus concerns and in accordance with the Governor's Executive Order 202.1, the public will be able to attend the meeting remotely through an audio conference – access information to be provided in advance of the meeting on WJWW's website, www.wjww.com and can also be accessed via the Zoom link below:

Join Zoom Meeting
https://zoom.us/j/92913064695?pwd=eVV5VGRzMFQwRGx6MnZQazVVaklJdz09

Meeting ID: 929 1306 4695
Password: 002934

Dial by your location: +1 929 205 6099 US (New York)

I. **APPROVAL OF MINUTES**
- December 15, 2020 Board Meeting

II. **FINANCIAL REPORTS AND APPROVALS**
- Bank Balances
- Approval of Claims
- General Administration
  - Election of Officers
  - Adopt BOT Meeting Calendar
  - Joint Capital Project Wholesale Meter/Pressure Regulator Vault (Andersen Hill Road)
  - Operations Technical Assistance and SCADA Service Contract (Woodard & Curran)
  - Rye Lake Filtration Plant
    - WJWW Filtration Team Presentation of Proposed Scope of the Environmental Impact Statement for SEQRA Compliance, Updated EAF & Summary of Project Status

III. **OLD BUSINESS**
- Project Updates

IV. **MANAGER'S REPORT**

V. **NEW BUSINESS**

VI. **CONSIDERATION OF EXECUTIVE SESSION**

VII. **DATE OF NEXT MEETING** - TBD

WESTCHESTER JOINT WATER WORKS
Board of Trustees Meeting
Tuesday, December 15, 2020 at 3:30 p.m.

The meeting was called to order at 3:33 p.m. with the following members present (via video conference):

Present:

- Trustees: Ron Belmont, Tom Murphy, Nancy Seligson,
- Lori Lee Dickson, General Counsel
- David Birdsall, Business Director
- Frank Arcara, Chief Water Treatment Plant Operator 1-B
- Jacqueline Briggs, Assistant Civil Engineer
- Zach Wasp, Junior Civil Engineer

Approval of Minutes

Trustee Belmont made a motion to approve the minutes of the November 24, 2020 Board meeting. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

Financial Reports and Approvals

The Business Director reviewed bank balances and presented claims to the Board highlighting significant items, among them: NYC Water Purchases, Final Installment of 2019 Distributions to Member Municipalities, NYS Retirement Annual Funding, Payroll & Related Items, Property, Liability and Other Insurance Premiums, Workers' Compensation Premium, Distribution System Repairs and NYSHIP Monthly Health Insurance Premium.

Approval of Claims: Trustee Murphy made a motion to approve 180 claims totaling $2,994,534.00. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

General Administration:

- The Business Director reported that the fourth and final installment of distributions of 2019 WJWW income to the member municipalities have been dispersed.

- Tax Levy Transfer / TOM: Trustee Seligson made a motion to approve a resolution for the Tax Levy Transfer in the amount of $49,971.92 to the Town of Mamaroneck. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

- The Business Director reviewed 2021 Water Treatment Chemicals Bid results:

Bid Item: 3" Calcium Hypochlorite Tablets (Accutabs)

Rank	Bidder	Bid
1	Coyne Chemical	$2.8780 per pound

Trustee Belmont made a motion to approve the 3" Calcium Hypochlorite Tablets (Accutabs) Bid result as presented. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

Bid Item: Liquid Chlorine

Rank	Bidder	Bid
1	JCI Jones Chemical	$1.2333 per pound

Trustee Murphy made a motion to approve the Liquid Chlorine Bid result as presented, awarding the bid to the lowest bidder. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

Bid Item: 50% Caustic Solution (Sodium Hydroxide)

Rank	Bidder	Bid
1	JCI Jones Chemical	$1.75 per gallon
2	Kuehne Chemical Co., Inc.	$2.2364 per gallon

Trustee Belmont made a motion to approve the 50% Caustic Solution (Sodium Hydroxide) Bid results as presented, awarding the bid to the lowest bidder (Rank 1) for each bid item. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

Bid Item: Blended Orthophosphate

Rank	Bidder	Bid
1	Shannon Chemical	$1.184 per pound
2	Coyne Chemical	$1.2449 per pound
3	Carus Corp.	$1.26 per pound

Trustee Belmont made a motion to approve the Blended Orthophosphate Bid results as presented, awarding the bid to the lowest bidder (Rank 1) for each bid item. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	not present
Trustee Murphy	"aye"

- NY State Records Retention and Disposition Schedule LGS-1 Resolution: The Business Director and General Counsel explained to the Board that NY State has established comprehensive and updated guidelines with respect to record retention and disposal. Trustee Belmont made a motion to adopt the updated NY State Records Retention and Disposition Schedule. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

- Dudley Lane / TOM: A local capital project to replace a 350 linear foot section of transite water main is being proposed on Dudley Lane in the Town of Mamaroneck, with an estimated cost of $400,000 (exclusive of engineering services). This work is being expedited due to the nature of the work and a result of expected inclement weather. Additional costs have been factored in to the total, due to the rocky conditions that exist at the site and for the nighttime work that will be necessary. Trustee Murphy made a motion to approve the local capital project with an estimated cost of $400,000 for the replacement of 350 feet of transite water main at this location. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

  Approval of Wasp Engineering proposal for engineering and construction services related to local capital project to replace 350 linear feet of water main along Dudley Lane, in the Town of Mamaroneck, with an estimated cost of $32,320, is requested. Trustee Seligson made a motion to approve the Wasp Engineering proposal for engineering and construction services for the local capital project with an estimated cost of $32,320 at this location. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

- Barry Avenue & Macy Road / TVOH: The Business Director explained to the Board that a final resolution to pavement issues along Avondale Road, potentially related to work done as part of Capital project (A-1310) Barry Ave/Macy Rd transmission main, is still being assessed. A payment to ELQ for the remaining balance of $152,000, related to the retainage fee, is being held until a determination is made.

- Rye Lake Filtration Plant: General Counsel reported that WJWW has been served with an untimely challenge to the lead agency designation for this project from Special Counsel for the TVOH Planning Board. She explained that when two entities claim lead agency, both parties make

submissions to the Commissioner of the NYSDEC, who will make the final determination. General Counsel and Special Co-Counsel Karmel have been busy preparing a very comprehensive package for the WJWW submission, which will meet all required deadlines and will be based on factual evidence. Several qualified and expert consultants have been providing the factual evidence to back up the WJWW submission. General Counsel explained that all appropriate parties will be served. The Trustees inquired who pays for the Special Counsels retained by both the TVOH Planning Board and WJWW. General Counsel replied that it is the taxpayers of the TVOH who will pay for the services of both the Special Counsel retained by the TVOH Planning Board (as taxpayers) and the WJWW Special Counsel (as water ratepayers).

On a parallel track, anticipating a positive determination under SEQRA, a draft scope for the EIS is getting closer to finalization. Once WJWW determines internally that it is appropriate and final, the scope of the environmental impact statement will be presented to the Board for consideration. This presentation is tentatively planned for the January BOT's meeting, again, if it's appropriate under the circumstances of the challenge. Consultants will be on hand to make a presentation to the Board on potentially significant areas of impact. General Counsel also explained that following the presentation, if the draft scope meets with the Board's approval, the Board could take action by moving to accept the scope, approve a resolution to declare a positive declaration and set a public hearing on the scope.

WJWW continues to work closely with Co-Communications to develop a microsite to keep the public informed with factual information about this project. The Business Director shared that there is a notification on the WJWW website informing the public that the microsite will be launched soon. The team is working very closely and very carefully – holding weekly meetings to ensure that the microsite will be factual, accurate and comprehensive.

WJWW is also continuing to move forward with qualified and expert professionals who are conducting environmental reviews, investigations and site work. Regardless of who is determined to be lead agency for this project, this work is a necessary part of the process. WJWW had hoped to have a cooperative and collaborative partnership by accepting TVOH Planning Board's offer to be co-lead agencies for this project, but cannot wait any longer and is moving forward. General Counsel reminded the Board that WJWW continues to be under tight deadlines with court orders and fines, accruing daily, while the Planning Board has stalled the process by deeming that the UV Treatment facility - a separate project - be tied to the Filtration Plant. The UV Facility, a prefabricated building, to be located on a separate parcel of land, is necessary to address an immediate public health issue related to the presence of Cryptosporidium in WJWW's source of drinking water at Rye Lake. Again, the Planning Board has stalled this application.

Old Business

The Chief Water Treatment Plant Operator explained that WJWW Distribution staff has replaced 3 fire hydrants, responded to two water main breaks, installed a temporary water main, installed 16" Tees and valves ahead of work anticipated at Dudley Lane (TOM), responded to 137 service calls and made nine backlog (backflow?) inspections. He also shared with the Trustees that the Operations staff has been busy, taking 158 water samples, which test for various water parameters, and that all have come back within normal ranges. Operations staff has also been making good progress in preparation for the work anticipated at Dudley Lane (TOM) and hope to have the water main back in service as quickly as possible. Residents have been notified ahead of time and should not experience any disruption to their service.

Manager's Report

No Manager's Report needed at this time.

Executive Session

No Executive Session needed at this time.

New Business

No New Business to discuss at this time.

Date of Next Meeting

The next Board of Trustees meeting is scheduled for January 12, 2021 at 3:30 p.m.

With no further business to discuss, Trustee Murphy made a motion to adjourn the meeting. Trustee Belmont seconded the motion:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

The meeting adjourned at 4:09 p.m.

WESTCHESTER JOINT WATER WORKS
REPORT OF BANK ACCOUNT BALANCES WITH STERLING NATIONAL BANK
JANUARY 1, 2021 TO JANUARY 12, 2021

ACCOUNT	Interest Rates	01/12/21											
GENERAL FUND	0.050	5,763,435											
MONEY MARKET	0.120	1,206,933											
CONSUMER DEP	0.170	792,317											
CAPITAL FUND	0.170	9,696											
TOTALS:		**7,772,381**											

ACCOUNT													
GENERAL FUND													
MONEY MARKET													
CONSUMER DEP													
CAPITAL FUND													
TOTALS:													

WESTCHESTER JOINT WATER WORKS
CLAIMS LISTING FOR APPROVAL BY BOARD OF TRUSTEES
TUESDAY, JANUARY 12, 2021

DATE OF MEETING	01/12/21															TOTAL
TOTAL NUMBER OF CLAIMS:	167															167
TOTAL NUMBER OF CHECKS:	150															150
AMOUNT OF CLAIMS & CHECKS	$1,187,044															$1,187,044
MAJOR CATEGORIES																
PAYROLL & BENEFITS	$233,314															$233,314
CHEMICALS, MATERIALS, PARTS	$45,226															$45,226
PERMITS/INSURANCES	$99,466															$99,466
PROFESSIONAL/ENGINEERING/LEGAL	$69,267															$69,267
NYC WATER BOARD/UNITED WATER	$510,524															$510,524
OFFICE & COMPUTER	$11,495															$11,495
UTILITIES & TELEPHONES	$37,100															$37,100
EMPLOYEE EDUCATION/EXPENSE	$4,538															$4,538
MEDICARE REIMBURSEMENTS	$0															$0
CUSTOMER REFUNDS	$653															$653
BLDGS/GROUNDS IMPROVEMENTS	$19,741															$19,741
TAXES	$0															$0
AUTHORIZATIONS	$155,720															$155,720
O/S CONTRACTORS	$0															$0
TOTAL CLAIMS/CHECKS:	$1,187,044															$1,187,044
REIMB. FOR SEWER RENTS	$0															$0
DISTRIBUTIONS TO MUNIS	$0															$0
GRAND TOTAL:	$1,187,044															$1,187,044

DATE OF MEETING																TOTAL
TOTAL NUMBER OF CLAIMS:																0
TOTAL NUMBER OF CHECKS:																0
AMOUNT OF CLAIMS & CHECKS																$0
MAJOR CATEGORIES																
PAYROLL & BENEFITS																$0
CHEMICALS, MATERIALS, PARTS																$0
PERMITS/INSURANCES																$0
PROFESSIONAL/ENGINEERING/LEGAL																$0
NYC WATER BOARD/UNITED WATER																$0
OFFICE & COMPUTER																$0
UTILITIES & TELEPHONES																$0
EMPLOYEE EDUCATION/EXPENSE																$0
MEDICARE REIMBURSEMENTS																$0
CUSTOMER REFUNDS																$0
BLDGS/GROUNDS IMPROVEMENTS																$0
TAXES																$0
AUTHORIZATIONS																$0
O/S CONTRACTORS																$0
TOTAL CLAIMS/CHECKS:																$0
REIMB. FOR SEWER RENTS																$0
DISTRIBUTIONS TO MUNIS																$0
GRAND TOTAL:																$0

WESTCHESTER JOINT WATER WORKS
GENERAL FUND ACCOUNTS
TUESDAY, JANUARY 12, 2021

CASH BALANCE IN STERLING NATIONAL BANK:				
	GENERAL FUND	1/1/2021	$	5,457,038.12
	MONEY MARKET	1/1/2021	$	1,206,933.18
	TOTAL:		$	6,663,971.30
NET ACTIVITY:	FROM 1/1/2021 TO 1/12/2021			
	STERLING NATIONAL BANK		$	306,396.46
			$	306,396.46
CASH AVAILABLE TO PAY CLAIMS:				
	GENERAL FUND:	1/12/2021	$	5,763,434.58
	MONEY MARKET	1/12/2021	$	1,206,933.18
	TOTAL:		$	6,970,367.76
LESS:	UNAPPROVED CLAIMS:		$	(955,496.61)
	OUTSTANDING CHECKS PRIOR PERIODS:		$	(1,692,410.51)
CASH BALANCE AFTER PAYING CLAIMS:			**$**	**4,322,460.64**

CLAIMS PAYABLE:

DATE	FROM	TO		
18-Dec-20	2012177	2012218	$	118,239.80
Check Nos.	60852	60894		
23-Dec-20	2012224	2012262	$	67,877.12
Check Nos.	60895	60931		
30-Dec-20	2012273	2012310	$	109,356.26
Check Nos.	60932	60968		
5-Jan-21	2191991	2191931	$	660,023.43
Check Nos.	60969	60999		
TOTAL CLAIMS PAYABLE:			**$**	**955,496.61**

PAYROLL CLAIMS
(ZERO BALANCE CHECKING ACCOUNT)

DATE	FROM	TO		
16-Dec-20	2012172	2012176	$	61,248.14
Check Nos.	2242	2242		
22-Dec-20	2012219	2012223	$	62,547.16
Check Nos.	2243	2243		
29-Dec-20	2012263	2012267	$	64,300.80
Check Nos.	2244	2244		
30-Dec-20	2012268	2012272	$	43,451.23
Check Nos.	2245	2245		
TOTAL PAYROLL CLAIMS:			**$**	**231,547.33**
TOTAL ALL CLAIMS:			**$**	**1,187,043.94**

Prepared by: _____ David Birdsall, Business Director

Submitted by: _____ David Birdsall, Business Director

Approved by: _____ Nancy Seligson, Chairperson
Board of Trustees

VB REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
002012177	AIRGAS, INC	207.35	(4) CARBON DIOXIDE FG/IND 20 LB SIPHON
002012224	ADP, INC.	1,766.99	P/E 11/14;11/21;11/28;11/30;12/5;12/12 PAYROLL PRO
002012225	ALL MAKES PUMP & MOTOR	2,400.00	(16)HR DISASSEMBLE SCRAPE CHECK VALVE/WEAVER ST.
002012178	B & A AUTOMOTIVE INC	1,768.18	11/12/20 17 FORD EXPL/NOISE R/F;MNT TIRES;ALIGMENT
002012179	B & A AUTOMOTIVE INC	175.00	11/17/20 55T55 PLOW WESTERN/SERVICE
002012180	B & A AUTOMOTIVE INC	175.00	11/17/20 51 T51 PLOW WESTERN/SERVICE
002012181	B & A AUTOMOTIVE INC	254.45	11/17/20 14FORD F350 SD/TEST/INST BATT;WINDOW OPER
002012182	B & A AUTOMOTIVE INC	1,652.42	11/18/20 18 FORD EXPL/ENG MOUNT;TRANSM;SERV;COOL
002012183	B & A AUTOMOTIVE INC	836.84	11/19/20 16FORD EXP/TRANSM. SRV;TRANS CS;R DIFFERE
002012273	BLUEBEAM, INC	349.00	BLUEBEAM REVU: STANDARD END USER LICENSE
002012184	CABLEVISION LIGHTPATH,	1,375.79	12/1/20-12/31/20 OFFICE INTERNET
002012185	BRYAN CAVE	7,760.13	A1364 JOINT RYE LAKE FILTRATION FACILITY
002101001	CENTURY BUILDING SERVI	1,979.88	2020 DECEMBER 2020 CLEANING SERVICES
002101002	CLARITY TESTING SERVIC	595.00	2020 12/9/20 PRE EMPLOYM/FIT FOR DUTY EXAM/L.TROIA
002012186	CITIBANK	322.86	NOVEMBER 2020 UPS; ID CARDS; WEB NETWORKSOLUTION
002012226	CITY OF YONKERS	9,575.00	JULY 2020 LAB ANALYSES/(236) SAMPLES
002012274	CON EDISON GARAGE	2,373.67	11/18/20-12/21/20 WINDFIELD AVE/GAS HEAT GARAGE
002012275	CON EDISON -PRV DISTR	273.21	11/18/20-12/21/20 TIMBER TRAIL PRV ELECTRICITY
002012276	CON EDISON -PRV DISTR	162.22	11/19/20-12/22/20 676 PURCHASE ST ELECTRICITY
002012277	CON EDISON -PRV DISTR	202.74	11/18/20-12/21/20 ANDERSON HILL RD PUMP ELECTRICI
002012278	CON EDISON -PRV DISTR	51.57	11/18/20-12/21/20 PURITAN RD PRV ELECTRICITY
002101003	CON EDISON -PRV DISTR	42.28	2020 11/16-12/17/20 STRATTON RD PUMP ELECTRICITY
002012279	CON EDISON	682.17	11/18/20-12/21/20 OFFICE GAS HEAT
002012280	CON EDISON	88.80	11/18/20-12/21/20 1ST PRV ELECTRICITY
002012281	CON EDISON	97.45	11/18/20-12/21/20 1200 MAMARONECK AVE PRV ELECTR
002012227	DELUXE	1,098.95	(1,700) DELUXE CHECKS; (500) LOGO PENS
002012187	DOLPH ROTFELD ENGINEER	1,945.00	08/24/20-09/27/20 PROF ENGINEERING SERV
002012228	DOLPH ROTFELD ENGINEER	450.00	PROFESSIONAL ENGINEERING SERVICES
002012188	DICHTER LAW LLC	2,854.07	03/01/20-11/30/20 PROF SERVICES /DEC PROCEEDINGS
002012229	EASTERN ANALYTICAL	400.00	T/M DUDLEY LN., ANALYTICAL SERVICES /TEMP WATER
002012282	EASTCOM ASSOCIATES INC	7,408.00	(2) DLD SYSTEM;(2) SCHONSTEDT MAGGIE MAG LOCATOR
002012283	ETRE ASSOCIATES LTD	69,001.58	A1369 V/M WTR INFRASTRC REPLACEMENT/PLANNED PAV
002101004	DORIS LECHNER	5,635.00	2020 12/2-12/31/20 ACCOUNTING CONSULTING SERVICES
002012189	FEDERAL EXPRESS CORP.	186.06	12/8/20 (3) PACKS/BYRAM;WINGDALE;DAKOTA/BIDS
002012230	FEDERAL EXPRESS CORP.	30.38	11/16/20 1 PACKAGE / STERLING NATIONAL BANK
002012231	FEDERAL EXPRESS CORP.	120.17	12/14/20 - 1 DELIVERY FROM bENSHAW, INC
002012284	FEDERAL EXPRESS CORP.	30.74	12/23/20 1 DELIVERY STERLING NAT BANK
002012285	FAESY & BESTHOFF, LLC	3,388.00	(4400) SODIUM SILICO FLUORIDE/RYE LAKE
002012190	FERGUSON ENTERPRISES,	691.10	COUP WRCH;SOC SET; CURB & VALVE;SHUTOFF KEY
002012191	FERGUSON ENTERPRISES,	5,078.98	(11) METER PITS; (4) MTR PIT COVER
002012192	FERGUSON ENTERPRISES,	14,004.30	METER PIT; MTR PIT COVERS; MONITOR RING & LID
002012286	FUTURE FENCE & PAINTIN	815.00	12/2/20 1625 MAMARONECK AVE/REINST CANTILEVER GATE
002012287	FRANK NASK SEPTIC TAN	365.00	12/10/20 RYE LAKE/USE HIGH VELOCITY WATER JETT
002012288	FRANK NASK SEPTIC TAN	465.00	12/4/20 LARCHMONT PLANT/PUMP SEWAGE EJECTOR PIT
002012193	GRAINGER	426.76	(4) SCREW EXTRACTOR SET
002012289	GRAINGER	255.83	TOTAL RELIEF KIT;REPAIR KIT
002012194	GREATAMERICA FINANCIAL	206.22	11/1/20-11/30/20 C8045 COPIER LEASE AGREEMENT
002012290	GLOBAL REAL ESTATE USA	150.84	CUST REFUND DUE TO DUPLICATE PAYMENT ON FINAL BILL
002012232	HACH COMPANY	50.92	FLUORIDE STD WEAVER STATION PLANT
002012233	HACH COMPANY	1,867.85	CHEMICALS AND REAGENTS FOR PLANTS
002012234	HACH COMPANY	292.50	CASE ASSY;KTO:LG BACKPACK/LEAK DETECTION
002012235	HACH COMPANY	389.94	PH PROBE / WEAVER STATION
002012236	HACH COMPANY	1,065.96	REAGENTS AND CHEMICALS FOR PLANTS
002012237	HACH COMPANY	70.17	EQUITRANSFERRANT PH7 BUFFER/ RYE LAKE

VB	REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
	002012291	HACH COMPANY	1,050.51	DPD2P1 DIGITAL PH SENSOR, PEEK, INSERTION
	002012195	THE T/V OF HARRISON	3,300.00	T/H FLAGLER DR WATER MAIN REPAIR
	002012292	THE T/V OF HARRISON	2,100.00	11/16/20 & 11/23/20 TRAFFIC DETAILS HALSTEAD/HARRI
	002012196	HAZEN AND SAWYER, P. C	2,814.15	A1364 JOINT RYE LAKE FILTRATION FACILITY
	002101005	THE HARTFORD-DBL/TDB	222.10	2020 4TH QURTER 2020 NYS DISABILITY INS
	002012197	H2M ARCHITECTS + ENGIN	5,282.00	A1352 JOINT RYE LAKE UV FACILITY
	002101006	IANY	225.00	2021 MEMBERSHIP DUES/EDUCATION/ADVOCACY/SUPPORT
	002101007	INSTITUTE OF MANAGEMEN	230.00	11/01/20-10/31/21 PROFESSIONAL MEMBERSHIP/
	002101008	DANIEL JOLY	200.00	REFUND ON FINAL READ/CUST DID NOT CANCEL REOCCURIN
	002012238	JCI JONES CHEMICALS, I	3,600.00	(24) 150 LB CYLINDER CHLORINE
	002012198	JOHNSON CONTROLS SECUR	6,635.52	11/1/20-1/31/21 SECURITY / ALL LOCATIONS
	002012199	K.R.B.VAC & JANITORIAL	825.45	NOVEMBER 2020 MISC ITEMS/DISTRIBUTION/PLANTS
	002012239	LANZA'S ELECTRICAL CON	420.00	12/7/20 RYE LAKE/PUMP #1 CIRCUIT BOARD DAMAGED
	002012294	LANZA'S ELECTRICAL CON	810.00	12/16/20 RYE LAKE/REPLACEMENT CIRCUIT BOARD
	002012295	LANZA'S ELECTRICAL CON	550.00	12/12;12/30;12/15 WINGED FOOT TOWER/GENERATOR FAIL
	002012200	JACKSON LEWIS LLP	3,550.50	NOVEMBER 20 PROFESSIONAL SERV/GEN MATTERS
	002012201	W.B. MASON CO.INC.	1,680.11	NOVEMBER 2020 OFFICE SUPPLIES/PAPER;TONER;INKCART
	002012240	MATRIX IMAGING SOLUTIO	7,500.00	JANUARY 2021 POSTAGE ACCOUNT
	002012241	MCGUIRE'S MECHANICAL C	3,761.50	11/02/20-11/24/20 PURCHASE ST/CHK PUMP/LEAKING
	002012296	MCGUIRE'S MECHANICAL C	315.76	12/8/20 RYE LAKE CHECKED HEAT; BOILER; HOT WATER
	002012297	MCGUIRE'S MECHANICAL C	134.26	12/8/20 830 LAKE ST/CHECK HEATER; PILOT FLAME
	002101009	METLIFE	4,524.24	JANUARY 2021 DENTAL, LIFE & AD&D INSURANCE
	002012242	MCI COMM SERVICE	37.19	DECEMBER 2020 PURCHASE ST/INTERNET & PHONE
	002012243	MCI COMM SERVICE	37.19	DECEMBER 2020 LAKE ST PLANT PHONE
	002012244	MCI COMM SERVICE	37.19	DECEMBER 20 PHONE LINE FOR GENERATOR
	002012298	MCI COMM SERVICE	37.19	DECEMBER 2020 WEAVER PLANT LONG DISTANCE
	002012299	MCI COMM SERVICE	37.56	DECEMBER 2020 RYE LAKE LONG DISTANCE
	002101010	MCI COMM SERVICE	40.29	2020 DECEMBER ALARM LINE OFFICE LONG DISTANCE
	002012202	BERNATDETTE GALIANO ME	27.73	REFUND DUE TO OVERPAYMENT ON ACCOUNT/FINAL READ
	002012203	MCCARTHY FINGAR LLP	6,744.00	A1364 JOINT RYE LAKE FILTRATION FACILITY
	002012204	MCCARTHY FINGAR LLP	2,088.00	A1352 JOINT RYE LAKE UV FACILITY
	002101011	MCCARTHY FINGAR LLP	4,583.33	FEBRUARY 2021 PROFESSIONAL SERVICES
	002012245	JOHN THOMPSON	150.00	REIMBURSTMENT/COST OF WORK BOOTS/JOB DUTIES
	002101012	STATE OF NEW YORK	81,306.24	FEBRUARY 2021 HEALTH INSURANCE 03024-NYSHIP
	002012205	NY POWER AUTHORITY	29,136.01	NOVEMBER 2020 ELECTRIC POWER ALL LOCATIONS
	002101013	NYC WATER BOARD	238,573.37	2020 NOVEMBER 20 RYE LAKE BL90100;LOT833;MTR7909
	002101014	NYC WATER BOARD	1,741.53	2020 NOVEMBER 20 VILLAGE OF LARCHMONT LOT1270
	002101015	NYC WATER BOARD	264,243.44	2020 NOVEMBER SHAFT 22 BL90100;LOT1270;MTR9940
	002012246	PARACO GAS	612.80	PROPANE FOR 830 LAKE ST & 900 LAKE ST./HEAT
	002012247	PERFECTION PLUS	1,700.00	NOVEMBER 2020 GROUND MAINTENANCE / ALL LOCATION
	002012206	POLLARDWATER	205.00	PITOT BLADE FOR HYDRANT FLUSHING
	002012300	POLLARDWATER	2.10	FRICTION COLLAR RETAINING
	002012249	READY REFRESH BY NESTL	517.09	11/15/20-12/14/20 POLAND SPRG WATER/PLANTS
	002101016	RICHARD W TOBIN	1,525.00	GRADE D AND GRADE B WATER OPERATOR COURSES
	002101017	RICHARD W TOBIN	1,050.00	GRADE I SUPERVISION WTR.OPR.CRS/THOMPSON/PIRRONE
	002012301	S & H UNIFORMS	413.00	UNIFORM CLOTHES /NEW EMPLOYEE /LANCE
	002012302	SPRAGUE OPERATING RESO	317.56	(213.2) GALS OF #2 B-5 BIOHEAT/LARCHMONT PLANT
	002012250	TCS COMMUNICATIONS COR	500.00	(1) CALAMP SC-200/SPARE FOR WINGED FOOT TANK
	002012207	TOTAL TECHNOLOGY SOLUT	4,025.00	JANUARY 2021 WSP MANAGED SERVER, DESKTOP
	002012208	TOTAL TECHNOLOGY SOLUT	1,910.62	HPE FOUNDATION CARE - 1 YEAR POST WARRANTY
	002012209	TOTAL TECHNOLOGY SOLUT	702.00	DECEMBER 2020 AGREEMENT HOSTED EMAIL EXCH W/OUTLOO
	002012303	TOWN OF MAMARONECK	5,207.00	12/2;3;7/20 TRAFFIC DETAILS MADISON AVE
	002012210	TOWN/VILLAGE OF HARRIS	1,800.00	NOVEMBER 2020 ROAD OPENING PERMITS
	002012252	MEWS-MICHAEL T. TOKARZ	274.48	CUSTOMER FERUND DUE TO OVERPAYMENT ON ACCOUNT

VB	REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
	002101018	LANCE TROIANO	150.00	REIMBURSEMENT FOR COST OF THE BOOTS/NEW EMPLOYEE
	002012253	SUEZ WATER WESTCHESTER	4,367.19	7/1/20-12/1/20 SPRINGDALE & LINWOOD NEW ROCHELLE
	002012254	SUEZ WATER WESTCHESTER	1,598.56	7/1/20-11/5/20 WILDWOOD RD & RIDGE RD NEW ROCHELLE
	002012255	U LINE	510.47	(1) 3 SHELF CABINET - BLACK
	002012211	UNITED METRO ENERGY CO	544.69	12/07/20 (375) GALS OF GASOLINE
	002012212	UNITED METRO ENERGY CO	215.28	11/30/20 (150) GALS OF GASOLINE
	002012304	UNITED METRO ENERGY CO	296.14	12/14/20 (200) GALS OF GASOLINE
	002101019	VEHICLE TRACKING SOLUT	319.84	2020 DECEMBER (16) GPRS CELLULAR DATA USAGE
	002012213	VERIZON	230.85	12/7/20-01/6/21 PURCHASE ST. INTERNET & PHONE
	002012214	VERIZON	50.40	12/06/20-01/05/21 LAKE ST PLANT / PHONE
	002012215	VERIZON	50.40	12/2/20-01/1/21 PURCHASE ST /INTERNET & PHONE
	002012256	VERIZON	215.49	12/13/20-1/12/21 FAX LINE OFFICE
	002101020	VERIZON	164.99	12/28/20-1/27/21 FIOS INTERNET 830 LAKE ST
	002101021	VERIZON	176.99	12/28/20-01/27/21 FIOS INTERNET RYE LAKE
	002101022	VERIZON	242.08	12/4/20-1/3/21 INTERNET & PHONE WEAVER ST PLANT
	002012257	VERIZON BUSINESS FIOS	30.16	12/6/20-1/5/21 PHONE LINE FOR GENERATOR
	002012258	VERIZON BUSINESS FIOS	126.98	12/16/20-01/15/21 RYE LAKE INTERNET
	002101023	VERIZON BUSINESS FIOS	169.99	12/28/20-01/27/21 FIOS INTERNET WJWW OFFICE
	002012259	VILLAGE PAINT SUPPLY I	284.35	MOORLIFE BASE;SHERLOCK EXT POLE;BRUSH, SAND
	002101024	VINCENT PIT STOP, INC	535.36	2020 DECEMBER GASOLINE WJWW VEHICLES
	002012216	VINCENT GARAGE, INC	491.33	10/16 & 11/2 FORD TRUCK & SH TUNDRA/FUEL;SWAY BAR
	002101025	VINCENT GARAGE, INC	1,042.40	2020 DECEMBER GASOLINE WJWW VEHICLES
	002012305	VISION SERVICE PLAN	657.51	JANUARY 2021 VISION INSURANCE
	002012260	VITOLITE ELECTRIC SALE	5,320.24	A1373 JOINT PURCHASE BOOSTER STATION PRV MODIFICAT
	002012261	VITOLITE ELECTRIC SALE	80.01	WINGED FOOT TOWER ELECTRICAL SUPPLIES
	002101026	WCAMPWA	200.00	2021 WCAMPWA MEMBERSHIP DUES
	002012217	WESTERN PEST SVCES	89.00	DECEMBER 2020 PEST CONTROL SERVICE
	002012306	WEST CTY DEPT OF LABS	1,895.00	NOVEMBER 2020 LAB ANALYSIS OF WATER SAMPLES
	002012218	WOODARD & CURRAN INC.	5,921.25	11/6/20 SCADA MAINTENANCE/OPER ASS
	002012307	WOODARD & CURRAN INC.	8,200.00	12/4/20 LAKE ST HYDRAULIC CONTROL VALVE
	002012308	WESTC.MASONRY DEPOT	134.30	12/15/20 HONDA PUMP#2;INST PARTS; SERV; CLEAN FUEL
	002012309	WESTC.MASONRY DEPOT	293.87	SUCTION HOSE; STEEL 2" DISCHARGE HOSE STRAINER
	002101027	WASP ENGINEERING GROUP	5,903.08	12/7/20-1/2/21 PROF ENG SERVICES /VARIOUS PROJECTS
	002101028	WASP ENGINEERING GROUP	35,510.00	A1376 T/M DUDLEY LN TRANSIT WATER MAIN REPLACEMENT
	002101029	YALE SOFTWARE SOLUTION	3,960.00	2020 JUNE 20 INFORMATION TECHNOLOGY SERVISE
	002101030	YALE SOFTWARE SOLUTION	4,176.00	2020 JULY 20 INFORM TECH SRVS (29) HOURS
	002101031	YALE SOFTWARE SOLUTION	756.00	2020 AUGUST 20 INFORMATION TECH SERV (5.25) HR
	002012262	XYLEM DEWATERING SOLUT	16,617.40	A1373 JOINT PURCHASE BOOSTER STATION PRV MODIFICAT
	002012310	F.B.WEBB COMPANY	743.68	RPR KIT TOTAL; ADAPTORS LF COP
**			955,496.61	
*				
09	002012172	STERLING NATIONAL BANK	14,729.08	#51 P/E 12/12/20 FEDERAL PAYROLL TAXES WITHHOLDING
09	002012219	STERLING NATIONAL BANK	15,129.30	#52 P/E 12/19/20 FEDERAL PAYROLL TAXES WITHHOLDING
09	002012263	STERLING NATIONAL BANK	15,850.54	#53 P/E 12/26/20 FEDERAL PAYROLL TAXES WITHHOLDING
09	002012268	STERLING NATIONAL BANK	13,446.28	#53-2 P/E 12/31/20 FEDERAL PAYROLL TAX WITHHOLDING
09	002012173	NYS DEFERRED COMPENSAT	2,869.78	#51 P/E 12/12/20 NYS DEFERRED COMP
09	002012220	NYS DEFERRED COMPENSAT	3,082.33	#52 P/E 12/19/20 NYS DEFERRED COMP
09	002012264	NYS DEFERRED COMPENSAT	2,952.52	#53 P/E 12/26/20 NYS DEFERRED COMP
09	002012269	NYS DEFERRED COMPENSAT	2,101.83	#53-2 P/E 12/31/20 NYS DEFERRED COMP
09	002012174	NYS INCOME TAX	3,089.74	#51 P/E 12/12/20 NYS PAYROLL TAXES WITHHOLDING
09	002012221	NYS INCOME TAX	3,125.54	#52 P/E 12/19/20 NYS PAYROLL TAXES WITHHOLDING
09	002012265	NYS INCOME TAX	3,292.08	#53 P/E 12/26/20 NYS PAYROLL TAXES WITHHOLDING

VB	REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
09	002012270	NYS INCOME TAX	3,766.27	#53-2 P/E 12/31/20 NYS PAYROLL TAXES WITHHOLDING
09	002012175	PAYROLL	40,081.54	#51 P/E 12/12/20 PAYROLL SUMMARY
09	002012222	PAYROLL	40,731.99	#52 P/E 12/19/20 PAYROLL SUMMARY
09	002012266	PAYROLL	41,747.66	#53 P/E 12/26/20 PAYROLL SUMMARY
09	002012271	PAYROLL	23,678.85	#53-2 P/E 12/31/20 PAYROLL SUMMARY
09	002012176	UTILITY WORKER UNION L	478.00	#51 P/E 12/12/20 UNION DUES
09	002012223	UTILITY WORKER UNION L	478.00	#52 P/E 12/19/20 UNION DUES
09	002012267	UTILITY WORKER UNION L	458.00	#53 P/E 12/26/20 UNION DUES
09	002012272	UTILITY WORKER UNION L	458.00	#53-2 P/E 12/31/20 UNION DUES
**			231,547.33	
*				
			1,187,043.94	

[405] 167 items listed out of 22525 items.

For Billings As Of: 1/8/2021
For Cash Received As Of: 1/8/2021

Date	Percentage of Receivable Balance Over 60 Days	Total # of Accts Over 60 Days	Total Balances Over 60 Days	Village of Mamaroneck		Town of Mamaroneck		Town/Village of Harrison		City of Rye		City of New Rochelle	
				Tax Levy April Arrears of Dec 31		Tax Levy November Arrears of Oct 31		Tax Levy October Arrears of Sept 30		No Tax Levy		No Tax Levy	
				# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance
09/06/19	22%	1,101	$ 528,299	376	$ 61,870	228	$ 72,931	468	$ 382,374	24	$ 9,767	5	$ 1,356
09/19/19	17%	1,112	$ 502,994	399	$ 104,531	173	$ 59,577	511	$ 328,158	25	$ 9,600	4	$ 1,127
10/04/19	19%	904	$ 429,745	329	$ 93,596	247	$ 93,726	302	$ 231,889	21	$ 8,813	5	$ 1,721
10/17/19	15%	1,001	$ 479,603	293	$ 82,575	176	$ 75,339	510	$ 311,832	18	$ 8,281	4	$ 1,577
11/07/19	29%	1,083	$ 329,491	371	$ 110,664	234	$ 103,419	453	$ 102,890	21	$ 9,983	4	$ 2,536
11/21/19	17%	1,140	$ 377,003	484	$ 129,787	144	$ 66,769	475	$ 161,599	33	$ 16,450	4	$ 2,399
12/13/19	25%	1,168	$ 390,067	365	$ 100,741	177	$ 54,526	601	$ 218,308	19	$ 13,943	6	$ 2,548
01/10/20	18%	1,082	$ 281,213	360	$ 108,817	235	$ 29,849	457	$ 126,927	25	$ 12,967	5	$ 2,654
01/24/20	25%	1,369	$ 362,513	515	$ 136,121	177	$ 11,000	636	$ 197,363	37	$ 15,090	4	$ 2,938
02/07/20	25%	1,288	$ 353,307	407	$ 113,556	286	$ 31,884	566	$ 192,220	24	$ 11,997	5	$ 3,650
02/21/20	23%	1,384	$ 361,472	533	$ 135,968	209	$ 6,870	599	$ 205,690	39	$ 10,464	4	$ 2,480
03/06/20	24%	1,258	$ 330,590	442	$ 119,285	319	$ 31,969	455	$ 166,008	35	$ 10,383	7	$ 2,945
03/27/20	23%	1,360	$ 372,036	503	$ 131,077	229	$ 17,923	589	$ 209,838	33	$ 10,446	6	$ 2,752
04/09/20	26%	1,549	$ 429,284	422	$ 125,210	308	$ 32,063	784	$ 259,535	28	$ 9,055	7	$ 3,421
05/08/20	24%	1,663	$ 298,710	466	$ (13,119)	316	$ 33,088	843	$ 272,844	32	$ 2,287	6	$ 3,610
05/21/20	20%	1,415	$ 337,119	455	$ 19,396	222	$ 27,457	700	$ 274,797	33	$ 11,761	5	$ 3,709
06/05/20	16%	1,296	$ 350,696	398	$ 8,409	263	$ 40,925	601	$ 287,246	28	$ 10,234	6	$ 3,880
06/18/20	28%	1,238	$ 538,921	433	$ 55,064	215	$ 35,243	565	$ 435,010	21	$ 9,942	4	$ 3,663
07/10/20	16%	1,026	$ 499,408	317	$ 7,091	235	$ 48,540	450	$ 429,579	19	$ 9,705	5	$ 4,493
07/23/20	17%	1,096	$ 573,745	407	$ 34,341	187	$ 40,861	475	$ 483,299	23	$ 11,534	4	$ 3,710
08/10/20	17%	1,076	$ 612,077	316	$ 20,224	219	$ 60,089	524	$ 519,028	13	$ 9,601	4	$ 3,136
08/20/20	14%	1,242	$ 602,277	396	$ 54,087	376	$ 52,359	451	$ 480,623	15	$ 11,939	4	$ 3,269
09/03/20	18%	1,079	$ 555,207	331	$ 37,437	217	$ 79,674	513	$ 423,066	12	$ 10,780	6	$ 4,251
09/17/20	21%	1,061	$ 689,958	403	$ 66,343	155	$ 55,045	473	$ 549,349	24	$ 14,978	6	$ 4,243
10/08/20	21%	1,026	$ 719,397	319	$ 51,733	189	$ 77,073	492	$ 575,143	20	$ 10,070	5	$ 5,379
10/22/20	21%	923	$ 664,856	368	$ 98,423	136	$ 55,660	390	$ 493,389	24	$ 12,946	5	$ 4,438
11/05/20	26%	963	$ 531,395	325	$ 74,845	206	$ 82,479	410	$ 359,031	17	$ 10,356	5	$ 4,684
11/19/20	22%	914	$ 576,828	320	$ 86,008	150	$ 59,801	415	$ 409,867	24	$ 17,176	5	$ 3,977
12/10/20	33%	1,113	$ 715,599	335	$ 96,535	177	$ 68,044	575	$ 531,816	19	$ 14,779	7	$ 4,425
01/08/21													

Commercial Backflow Status

1/6/2021

("Commercial" includes: Commercial, Industrial, Institutional, Apartment Buildings & Multi-family 3+ residences)

Hazard Category	Level	Has BFD	%	In Process of Applying for or Installing BFD	%	Ordered to Install BFD due to No Response	%	Under Review Based on Use/Activities	%	Requested Use Info	%	Totals
Dental/Veterinary/Medical Related Activities *	High	55		0		0		0		0		55 *
Industrial/Chemical Using Related Activities	High	111		4		1		0		0		116
Subtotal High Hazard		***166***	***97%***	***4***	***2%***	***1***	***1%***	***0***	***0%***	***0***	***0%***	***171***
Auto or Repair/Boat Servicing Activities	Medium	85		0		3		0		0		88
Restaurant/Food/Club Related Activities	Medium	157		1		8		0		0		166
Office/Retail/Warehouse Related Activities	Medium	317		9		50		0		0		376
Subtotal Medium Hazard		***559***	***89%***	***10***	***2%***	***61***	***10%***	***0***	***0%***	***0***	***0%***	***630***
Apartment Building (3+ Units)	Low	82		3		5		0		259		349
Subtotal Low Hazard		***82***	***23%***	***3***	***1%***	***5***	***1%***	***0***	***0%***	***259***	***74%***	***349***
Use To Be Determined/Identified		0		0		23		0		0		23
Subtotal Use To Be Determined/Identified Hazard	TBD	***0***	***0%***	***0***	***0%***	***23***	***100%***	***0***	***0%***	***0***	***0%***	***23***
Totals		807		17		90		0		259		1173
% of Total		69%		1%		8%		0%		22%		100%

Residential Backflow Status
(Res-1 family & Res-2 family)

Municipality	Has BFD	%	In Process of Applying for or Installing BFD	%	Communication Has occurred Between WJWW & Customer Regarding BFD	%	Under Review Based on Use/Activities	%	Totals
Village of Mamaroneck	419	11%	8	0%	294	8%	2942	80%	3663
Town of Mamaroneck	516	17%	8	0%	486	16%	1986	66%	2996
T/V of Harrison	1417	24%	25	0%	133	2%	4246	73%	5821
City of Rye	54	16%	0	0%	3	1%	281	83%	338
City of New Rochelle	2	3%	0	0%	0	0%	69	97%	71
Totals	2408		41		916		9524		12889
% of Total	19%		0%		7%		74%		100%

*** = 100% compliance has now been achieved for this most hazardous category of "Commercial" customer**

COMMITMENT & INTEGRITY
DRIVE RESULTS

Woodard & Curran Engineering and
Geological Services P.A. P.C.
800 Westchester Avenue | Suite N507
Rye Brook, New York 10573
www.woodardcurran.com

T 800.807.4080
T 914.448.2266
F 914.448.0147

December 7, 2020

Paul Kutzy, P.E., Manager
Westchester Joint Water Works
1625 Mamaroneck Ave
Mamaroneck, NY 10543

Re: Operations Technical Assistance and SCADA Service Contract

Dear Mr. Kutzy:

Woodard & Curran Engineering and Geological Services P.A. P.C. is pleased to provide the Westchester Joint Water Works (WJWW) with this proposal to continue to assist WJWW with ongoing Operations Technical Assistance including SCADA service and optimization for the balance of 2020 and into 2021. In anticipation of a similar amount of ongoing work, we have left the contract amount the same as the previous contract. Below please find our Scope of Services and Project Budget.

I. SCOPE OF SERVICES

Under this Contract, Woodard & Curran proposes to perform the following as-needed tasks:

- Coordination with WJWW contractors on new equipment installation and SCADA integration;
- SCADA antenna and startup services (TCS Communications Corp.);
- SCADA equipment purchases;
- SCADA reporting changes;
- SCADA trend adjustments and data display optimization;
- SCADA trending modifications for operational efficiency and accuracy;
- Assistance with SCADA components and operational support for capital upgrade projects;
- Implementation of recommended reporting and SCADA use optimization practices;
- Miscellaneous hardware updates, adjustments, replacements, consultation and servicing;
- System hydraulics investigation and analyses;
- Sampling plan and mapping updates;
- Research and advice on regulatory, system operations, and engineering issues;
- Miscellaneous additional as-needed services as requested by WJWW; and
- SCADA System Improvement Plan Development, including:
    - Updated assessment of software, network, and PLC's
    - Development of recommended future improvements and system modernizations
    - Block diagrams for existing and proposed conditions
    - Implementation schedule and budgetary estimates

The nature and timing of requests for as-needed assistance varies and is typically in response to new or changing system conditions. While requests for as-needed assistance will proceed within the authorization of this proposal, to provide WJWW with a level of budget awareness for requested activities, we will respond to those requests for as-needed assistance for activities over approximately $2,500 in effort via email with an acknowledgement of the request, estimated schedule, and level of effort. Minor activities where the level of effort is below this will proceed as requested by WJWW. If any requests for assistance are more significant than can be handled through this contract, we will inform you and seek separate budget authorization.

II. EXCLUSIONS / ASSUMPTIONS

- All electrical and networking installations are to be completed by others.

III. PROJECT BUDGET

Woodard & Curran proposes to perform the tasks in the aforementioned Scope of Services in accordance with the July 17, 2020 Terms and Conditions between WJWW and Woodard & Curran. Billing will be prepared on a Time & Materials (T&M) basis in accordance with the current Woodard & Curran standard rate table in effect at the time of service not to exceed $95,000. Woodard & Curran will provide the WJWW a written update on the budget status and ongoing requests on a monthly basis.

We appreciate the opportunity to provide this proposal for your consideration. If you have any questions, please do not hesitate to contact me at (914) 246-2931 or Paul Couture at (401) 484-6106.

Sincerely,

WOODARD & CURRAN ENGINEERING AND GEOLOGICAL SERVICES P.A. P.C.

Anthony C. Catalano, P.E., BCEE
Principal

Paul G. Couture, PMP
Senior Project Manager

cc: Steven Robbins

SEEN AND AGREED:

_____
Date

NELSON POPE VOORHIS
environmental • land use • planning

January 6, 2021

Mr. Paul Kutzy, Manager
Westchester Joint Water Works
1625 Mamaroneck Ave, Mamaroneck, NY 10543

Re: Contract Amendment #1 - State Environmental Quality Review (SEQR) documentation and Land Use Approval Management and Coordination Services

Dear Mr. Kutzy:

Nelson, Pope & Voorhis LLC. (NPV) is very excited to be part of the project team for the development of the Rye Lake Filtration Plant. An amendment to our current contract is required to allow us to continue to provide services to the Westchester Joint Water Works (WJWW). The scope of work outlined in this amendment incorporates the State Environmental Quality Review (SEQR) services required for the development of the Westchester Joint Water Works Rye Lake Filtration Plant located in the Town of Harrison, New York. Services also include management and coordination of the SEQR process and land use approvals.

SCOPE OF SERVICES

I. ENVIRONMENTAL SERVICES

A. Scoping for Draft Environmental Impact Statement – The development of the draft and final Scope is under NPV's current contract with WJWW.

B. Draft Environmental Impact Statement (DEIS) – A DEIS will be prepared that will satisfy the requirements of 6 NYCRR Part 617.9, and it will incorporate all elements of the Draft Scope dated January 6, 2020 (Exhibit A). NPV will be responsible for the writing and document development of the DEIS. NPV will also be responsible for the analyses related to the development of the DEIS Chapters except as noted below:

i. Chapter 1 Executive Summary
ii. Chapter 2 Project Description – *The Client will provide all substantive project information relative to the Scope*.
iii. Chapter 3 Existing Conditions, Potential Impacts and Mitigation Measures
   a. Land Use, Zoning and Public Policy
   b. Community Character and Visual Impacts - *The Client will provide any architectural information, renderings, and visual analyses as necessary relative to the Scope*.
   c. Fiscal and Economic Impacts
   d. Community Services
   e. Utilities - *The Client will provide all substantive project information relative to the Scope*.

f. Stormwater - *The Client will provide all substantive project information relative to the Scope*.
g. Geology – Soils, and Topography - *The Client will provide information relative to any geotechnical analysis*.
h. Vegetation and Wildlife - *The Client will provide all applicable vegetation and wildlife studies relative to the proposed project*.
i. Wetlands, Waterbodies, Watercourses, and Floodplains - *The Client will provide all substantive wetlands studies and information relative to the proposed project*.
j. Archeological and Historical Resources - *The Client will provide all archeological studies and information relative to the proposed project*.
k. Traffic and Transportation – *All traffic analyses will be provided through this contract as a sub-agreement to NPV*.
l. Noise - *All noise analyses will be provided through this contract as a sub-agreement to NPV.*
m. Air
n. Public Health
o. Construction - *The Client will provide all substantive project information relative to the Scope*.

iv. Chapter 4 Other Environmental Impacts
v. Chapter 5 Alternatives - *The Client will provide all substantive information relative to the Alternatives identified in the Scope*.

The work also assumes two rounds of review and edits with the Client and its project team. Additional review, analysis, or edits beyond what is detailed in this task will require an additional contract amendment. The fee below also assumes that the final scope is substantially similar to the draft scope in Exhibit A.

NPV Flat Fee: $50,000.00

C. Traffic Analysis – NPV will subcontract with Kimley-Horn of New York, P.C. to provide traffic analysis for the DEIS in accordance with its December 15, 2020 proposal (Exhibit B). NPV will oversee all aspects of invoicing and managing the subconsultant and their work.

Traffic Analysis NPV Flat Fee (with expenses): $47,700.00[1]
Traffic Analysis Time Rates Estimate: $15,600.00[2]

D. Noise Analysis - NPV will subcontract with B.Laing Associates. to provide noise analysis for the DEIS in accordance with its December 14, 2020 proposal (Exhibit B). NPV will oversee all aspects of invoicing and managing the subconsultant and their work.

Noise Analysis NPV Flat Fee (with expenses): $12,500.00[3]

[1] The fee includes a 10% markup for managing the subconsultant, QA/QC of deliverables, and coordinating invoicing, billing, and payment by the subconsultant.
[2] Time rates refer to two tasks in Exhibit B that may be required as the project progresses.
[3] The fee includes a 10% markup for managing the subconsultant, QA/QC of deliverables, and coordinating invoicing, billing, and payment by the subconsultant.

E. Final EIS - Based on transcript of public hearings and written comments received by the Lead Agency, prepare the Final EIS responding to all comments made during public hearings and any written comments received during the comment period. Coordinate with lead agency for acceptance of document. The budget estimate to prepare a Final EIS is largely based on the extent of public and agency feedback and project controversy. The fee below assumes a degree of public and agency feedback on the order of approximately 100 pages of combined public hearing transcript and written comment. This assumes no additional analysis is required and that the project does not undergo significant changes during the course of DEIS and FEIS preparation. This also assumes one round of revisions based on feedback from the Client and its project team. If the FEIS comments exceed the 100 pages of combined public hearing transcript and written comments, an additional contract amendment will be required before invoicing in excess of the estimated fee.

NPV Time Rates Estimate: $20,000.00

F. Findings - NPV will prepare a draft SEQRA Findings Statement and incorporate one round of comments by the Client. The Findings Statement will summarize the Proposed Action, key areas and findings of each area of resource assessment and will outline mitigation measures.

NPV Flat Fee: $5,000.00

II. PROJECT MANAGEMENT, COORDINATION, MEETINGS, HEARINGS AND ADDITIONAL SERVICES - NPV will provide project coordination and management services for the SEQR and land use approvals process including conference calls with the Client and development team; local, county, and state agencies; and involved attorneys, as required. This work will also include weekly project team meetings, and other meetings that may be necessary with the consultant team to discuss potential concerns and resolve issues. This will also include attending and participating in project and WJWW's board meetings, public meetings and hearings, and work sessions associated with the SEQR and land use approval process as requested by the Client. Services also include coordination, preparation, and supporting graphics (when required). For this task we have budgeted up to 200 (approximately 4 hours per week for one year). Additional hours above the budgeted 200 hours associated with this task will require a contract amendment.

NPV Time Rates Estimate: $33,000.00

III. ADDITIONAL WORK (NOT INCLUDED IN CONTRACT)

In prior discussions with Westchester County, the Client will be responsible for the submission of Federal Aviation Agency (FAA) permits and approvals. It is anticipated that NPV will provide services for the Federal Aviation Agency (FAA) permitting process and any requisite environmental review under NEPA. The scope of this work has not yet been determined and NPV will provide a contract amendment once the full scope of this work has been defined by FAA and Westchester County.

IV. DEIS EXCLUSIONS

- Fees are for professional services only and do not include permit application fees or other direct costs such as document copying, purchase of aerial photography, etc.;
- Engineering, surveying or other services not specified herein;
- Three-dimensional models and photo-simulations;
- Phase I/II Environmental Site Assessment;
- Alternative project conceptual diagrams, drawings or maps; and
- Additional costs associated with significant plan changes after adoptions of the Final Scope.

V. COST PROPOSAL SUMMARY

The budget outline presented in the table below has been estimated on a per task basis based upon the expected person-hours and expenses necessary for successful completion of the project. The Scope, EIS, and Findings Statement are flat fees. The amounts will not be exceeded without prior authorization by the Client. All other amounts are estimates provided for the purpose of Client budgeting and may vary based on external factors such as the degree of public participation and comment. The client will be invoiced monthly based on the percent completion of flat fee tasks and on the actual time expended multiplied by the time rates included in Exhibit D for all time rate tasks.

Task	Task Description	Estimated Budget by Component	Fee Basis
SEQRA REVIEW			
Section I	Environmental Review		
A	Scoping for Draft Environmental Impact Statement	Not Applicable	
B	Draft EIS	$50,000	Flat fee
C	Traffic Analysis		
		$47,700	Flat Fee
		$15,600	Time Rates (Exhibit B)
D	Noise Analysis	$12,500	Flat Fee
E	Final EIS	$20,000	Time Rates (Exhibit D)
F	Findings Statement	$5,000	Flat fee
Section II	Meetings, Hearings, and Additional Services	$33,000	Time rates (Exhibit D)
	Flat Fee	**$115,200**	
	Time Rates	**$68,600**	
	Total	**$183,800**	

Expenses estimate:
Expenses, including expenses from printing are highly variable, largely based on the extent to which the lead agency will permit distribution of digital as opposed to printed documents, whether the lead agency continues hearings to multiple dates and the extent of public and agency comment on the draft scope and DEIS. NPV will endeavor to minimize expenses to the client to the extent practicable and will advise the client of estimated upcoming expenses.

If this amendment is satisfactory, we would appreciate your signing the signature page located at the end of this proposal and returning them to our office. If you have any questions or concerns regarding this amendment, please do not hesitate to contact me at vmonastra@nelsonpopevoorhis.com or at 845-368-1472 ext. 108.

Thank you for the opportunity to present this proposal for your consideration and we look forward to assisting you with this project.

Respectfully submitted,

Valerie Monastra, AICP
Principal Planner

(Please sign and return one copy)

Signed by:

_____

Max Stach, AICP, Partner, NPV

Date:

_____

Signed by:

_____

, Westchester Joint Waterworks

Date:

_____

Westchester Joint Water Works

Water Filtration Plant

Town of Harrison, New York

Draft Scope

For Preparation of a

Draft Environmental Impact Statement (DEIS)

Westchester Joint Water Works

Draft Scope Filing Date:	XX, 2021
Scoping Hearing Date:	XX, 2021
Last Date to Submit Comments:	XX, 2021

Classification of Action: Unlisted

Lead Agency: Westchester Joint Water Works
1625 Mamaroneck Ave
Mamaroneck, NY 10543

This document identifies the environmental topics to be addressed in the Draft Environmental Impact Statement ("DEIS") for the proposed Westchester Joint Water Works (WJWW) Filtration Plant (the "Project") in the Town of Harrison, New York, proposed by Westchester Joint Water Works ("WJWW," the "Applicant", the "Project Sponsor," and the "Lead Agency"). This Scope document meets the requirements of 6 NYCRR Part 617.8 (e) (1) through (7). For the purposes of this Scope, the term "Action" means the proposed construction and operation of the Project and all related funding, real estate transactions, approvals and permits.

A. DESCRIPTION OF PROPOSED ACTION

Background

Westchester Joint Water Works is a non-profit public benefit corporation consisting of the member municipalities of the Village of Mamaroneck, Town of Mamaroneck, and the Town/Village of Harrison. WJWW supplies water on a retail basis to its member municipalities and to portions of the City of Rye and the City of New Rochelle, serving a total retail population of over 59,000 persons from over 14,600 service connections. WJWW also sells water on a wholesale basis to the Village of Larchmont and Suez Water Westchester, which supplies water to the City of Rye, Village of Rye Brook, and Village of Port Chester.

The water supply for the WJWW system is obtained from the upstate Catskill and Delaware watersheds of the New York City water system. WJWW draws its water from two connections to the City system: (i) Shaft 22 of the NYCDEP Delaware Aqueduct in Yonkers and (ii) Rye Lake, the eastern portion of Kensico Reservoir, in Harrison. The Proposed Action is related to water drawn from Rye Lake.

The Rye Lake source water is currently treated with chlorine, fluoride, and corrosion inhibitor at the Rye Lake Pump Station (RLPS). The water is pumped to the Purchase Street Storage Tanks where pH adjustment occurs via the addition of sodium hydroxide.

In 1993, New York State Department of Health (NYSDOH) determined that Rye Lake does not meet the criteria established by the State for filtration avoidance. In response to this determination, WJWW took several steps to avoid the need for the construction of a costly filtration plant. These steps included improvements to its chlorination disinfection system and the construction of additional treated water storage capacity to provide additional disinfection contact time. The raw water intake was also moved farther into Rye Lake and placed at a greater depth to access higher quality water from the lake. In addition, a turbidity curtain was installed in the reservoir in the area where storm water runoff from Interstate 684 and the County Airport enters the reservoir in an effort to protect the raw water quality of the intake.

In an action brought by NYSDOH pursuant to section 12 of the Public Health Law, the State Supreme Court for Westchester issued an Order, entered on January 23, 2002, that granted NYSDOH's motion for summary judgment, holding that WJWW violated the State Sanitary Code by failing to construct and operate a water filtration plant. The State Supreme Court's Order was

affirmed on appeal in 2003. Upon remand, on June 9, 2004, the Supreme Court granted a permanent injunction requiring WJWW to construct the filtration plant (Judgment and Order of New York State Supreme Court Index No. 13364-99, Justice Louis A. Barone). The permanent injunction was upheld on appeal in 2005. It remains in effect today.

To comply with the injunction, WJWW prepared to proceed with construction of a membrane filtration plant. The plant was proposed to be located on a 13.4-acre parcel of property it owned in the Town of Harrison adjacent to the County Airport. The project was identified as a Type II action under the Type II category that is today codified at 6 N.Y.C.R.R. § 617.5(c)(35) ("a particular course of action specifically required to be undertaken pursuant to a judgment or order"). WJWW determined that it would submit the site plan for approval and follow the Town/Village of Harrison Planning Board process. Applications for local site plan and special exception use permits were submitted to the Planning Board, which issued a negative declaration under SEQRA and granted certain approvals on June 21, 2005. The final design of WJWW's original water treatment plant was completed and approved by NYSDOH and the County Department of Health in 2006.

As a result of lawsuits brought on by a third party challenging different permits and approvals for the facility, the Planning Board rescinded its prior approvals and, notwithstanding the prior negative declaration, issued a positive declaration on June 11, 2007. In accordance with a scope determined by the Planning Board, WJWW proceeded to prepare a DEIS, which the Planning Board certified as complete on September 25, 2007. A public hearing was conducted on November 15, 2007, and WJWW prepared and submitted a draft FEIS in July 2008.

As part of the EIS process, WJWW explored alternatives to filtration including regional water treatment and conveyance options. After the FEIS was issued, there was significant interest among the Planning Board and other project stakeholders in a County-lead regional water treatment and conveyance alternative. These options were further evaluated by WJWW, but ultimately, the regional water utilities pursued treatment options that did not provide any option for WJWW to obtain treated water. With regional water treatment and conveyance options no longer available, WJWW then investigated the viability of another alternative to filtration of Rye Lake water consisting of construction of a pipeline for conveyance of treated water directly from New York City's Shaft 20 in Yonkers. In 2016, the alternative was ultimately rejected due to its exorbitant cost at $175 million and the identified potential impacts.

During this time period, USEPA adopted on January 4, 2006 a Stage 2 Disinfectants and Disinfection Byproducts (DBPs) Rule to provide increased public health protection against the potential risks associated with these compounds. DBPs are formed when natural organic matter in the raw water source interact with disinfectants such as chlorine. Stage 2 DBP byproduct chemicals include haloacetic acids and trihalomethanes. Because WJWW serves between 50,000 to 99,999 people, compliance with these new provisions is mandatory. Starting October 1, 2012, WJWW was required to monitor the maximum contaminant levels (MCL) for total trihalomethanes (TTHM) and haloacetic acids (HAA5). The MCLs for TTHM and HAA5 are 0.080 milligram per liter (mg/L) and 0.060 mg/L, respectively, on a Locational Running Annual Average

(LRAA) basis. The results submitted for the first, second, and third quarters of 2019 exceeded these MCLs.

On March 28, 2019, WJWW received a USEPA Administrative Order (AO) to submit a Corrective Action Plan (CAP) outlining provisions to be taken to achieve compliance with the MCLs. On November 26, 2019, the EPA issued a superseding Administrative Order (Index No. SDWA-02-2020-8001) which now, in addition to the Corrective Action Plan for the violation of the DBPs Rule, included an obligation to commence design of the proposed Rye Lake Filtration Plant and begin the SEQRA process by January 31, 2020, with the Filtration Plan to be operational by October 15, 2024.

Proposed Action

To comply with the USEPA Administrative Order and maintain the health and safety of its water customers, WJWW proposes to construct and operate a 30-MGD Dissolved Air Flotation/Filtration (DAFF) water filtration plant ("filtration plant" or "plant") for its nearby Rye Lake (Kensico Reservoir) water source. The filtration plant would include enhanced coagulation to would remove disinfection byproduct precursors to TTHM and HAA5, which would give WJWW a greater ability to routinely comply with the MCLs for TTHM and HAA5 as required by the Stage 2 Disinfectants and Disinfection Byproducts Rule.

The proposed plant would have the capacity to meet the maximum day water supply demand of the entire WJWW water system. The project would include the construction of a filtration facility, driveway, parking lot, utilities installation for water and sewer, and stormwater management features on a 13.4-acre project site. The sewer line for the project would tie into a County trunk line on Westchester County Airport property pursuant to an easement that would be granted by the County. As proposed, the filtration plant will be designed to treat water pumped from the RLPS and to supply finished water to the Purchase Street Storage Tanks. The proposed location for the filtration plant is on a portion of property currently owned by Westchester County and managed by the Westchester County Airport and accessed from Purchase Street (Map 1: Site Location).

Construction of the plant would require relocation of the existing Airport secondary fence line separating the site and Westchester County Airport. The facility building would be less than one acre. Proposed impervious features, including a driveway, parking lot, walkways, the facility itself and supporting utilities and ancillary facilities, would total approximately 2.4 acres.

The proposed filtration plant on land now owned by the County would require the acquisition of 13.4 acres of the Westchester County Airport property from the County. The County has advised WJWW that the best course of action would be a proposed equal land swap to result in no net loss of airport property. The 13.4 acre parcel of land for the filtration plant would be apportioned from the County Airport property and deeded to WJWW in exchange for WJWW deeding a contiguous 13.4 acre parcel in its ownership to the County for incorporation into the airport property (Map 2: Land Swap Properties).

Together, this work constitutes the Proposed Action.

List of Permits & Approvals

A number of permits and approvals would be required over the course of the project spanning local, state and federal agencies. WJWW would work with Westchester County on the approval of the land swap and deed agreements, as well as a sewer easement to locate a sewer line on the airport property. The Federal Aviation Administration would need to approve the modification of the airport footprint, and the Westchester County Department of Environmental Facilities would need to approve the required sewer connection. The filtration plant design would require approval of the NYS and County Department of Health, and a wetland permit from the US Army Corps of Engineers would also be required. In addition, WJWW will continue to coordinate with the State Supreme Court regarding compliance with its final injunction, and the USEPA regarding compliance with its administrative order.

Table 1 shows the anticipated list of permits and approvals that may be required for the proposed action:

TABLE 1: PERMITS & APPROVALS	
Government Entity / Agency	**Approval(s) Required**
USEPA	Compliance with Administrative Order SDWA-02-2020-8001
USEPA	Water Infrastructure Finance and Innovation Act (WIFIA) Program
United States Army Corp on Engineers (USACE)	Wetlands / Section 404 Clean Water Act
United States Fish and Wildlife Service (USFWS)	Section 7 Consultation
Federal Aviation Administration (FAA)	Notice of Proposed Construction or Alteration (FAA Form 7460-1)
NYSDEC	State Pollution Discharge Elimination System (SPDES) General Permit for Construction Activity
NYSDEC	SPDES Industrial Permit (NY-2C) for Process Emergency Overflow
NYSDEC	401 Water Quality Certification
NYSDEC	Freshwater Wetlands
Environmental Facilities Corporation / NYSDOH	Drinking Water State Revolving Fund Program
Environmental Facilities Corporation / NYSDOH	Water Infrastructure Improvement Act (WIIA) Grant Program
NYSDOH	Compliance with Administrative Order SDWA-02-2020-8001
NYSDOH	Approval of Completed Works
New York State Office of Parks and Historic Preservation (NYSOPRHP)	State Historic Preservation Office (SHPO) Consultation
New York City Department of Environmental Protection (NYCDEP)	Stormwater Pollution Prevention Plan (SWPPP) review and approval
NYCDEP	Revocable Land Use Permit

TABLE 1: PERMITS & APPROVALS	
Government Entity / Agency	**Approval(s) Required**
Westchester County Department of Health	Approval of Treatment Process and Plant Design
Westchester County Department of Health (WCDOH)	Compliance with Administrative Order SDWA-02-2020-8001
WCDOH	Approval of Completed Works
Westchester County Board of Legislators	Approvals for obtaining property rights and sewer easements
Westchester Department of Public Works	Building Approvals and Road Permits
Westchester County Department of Environmental Facilities	Approval to Connect to County Sewer System
Westchester County Planning Board	Administrative Review
Town of Mamaroneck Town Board	Approval of Funding for Project
Village of Mamaroneck Town Board	Approval of Funding for Project
Town/Village of Harrison, Town Board	Approval of Funding for Project
Town/Village of Harrison Planning Board	Freshwater Wetlands Permit
Town/Village of Harrison Planning Board	Site Plan Approval
Town/Village of Harrison Town Board	Special Exception Use Permit
Town/Village of Harrison Architectural Board of Review	Architecture Approval
Town/Village of Harrison Building Department	Building Permit
Town/Village of Harrison Building Department	Tree Removal Permit
Town/Village of Harrison Engineer	Land Disturbance Approval
Town/Village of Harrison Engineer	Sewer Hookup
Note: The approvals listed from the Town/Village of Harrison and its Planning Board are without prejudice to any contention that the proposed Filtration Plant is exempt from obtaining such approvals under *Village of Munsey Park v. Manhasset-Lakeville Water District*, 150 A.D.3d 969 (2d Dep't 2017), and similar cases.	

B. SITE DESCRIPTION

The proposed site is 13.4 acres located on the east side of Purchase Street and west of the Westchester County Airport (Map 1: Site Location). Access to the site will be directly from Purchase Street.

The site of the proposed filtration plant is currently undeveloped and composed of trees and vegetation. The grade of the site slopes from south to north at an approximate 2.5 percent slope. Tree surveys conducted in August, September and November of 2019 and December 2020 concluded that there are no tree species that warrant special consideration during the construction of the filtration plant. In August 2014, a wetland delineation confirmed the presence of approximately two acres of wetland under both NYS DEC and USACE jurisdiction, through which runs an unnamed and unclassified stream. In August 2019, additional wetland delineations were conducted to confirm the presence of these wetlands. The NY Natural Heritage Program

did not identify any threatened or endangered species or critical habitats within or adjacent to the project site.

Predominant soils found on site include Woodbridge loam (WdB), Udorthents, smoothed (Ub) and Paxton fine sandy loam (PnB). The majority of the site contains slopes of less than 10% and bedrock was not encountered during a preliminary geotechnical investigation up to 50 feet below ground surface. Several preliminary studies were performed in 2019 including a Phase I Archaeological Survey, Phase I Environmental Site Assessment (Phase I ESA) and a Preliminary Geotechnical report, discussed below:

The Phase I Archeological Survey identified a broad scatter of mid-nineteenth through twentieth-century material in low densities in two clustered areas within the project site, a stone fence along the west side of the project site, and a post-1940s poured concrete slab. Given the low artifact density, disturbed deposits, age of artifacts recovered, and lack of buried cultural features, it was recommended that the recovered artifact assemblage does not represent a potentially significant archaeological resource. This recommendation was accepted by the NYS Office of Parks, Recreation and Historic Preservation. WJWW will submit again to the CRIS system to reflect the updated site plans which includes the sewer line easement.

The Phase I ESA consisted of performing a review of online and available existing documents, including record drawings and files from NYSDEC, Westchester County, Westchester County Airport, and the Town of Harrison, to obtain sufficient information that would assist in determining the environmental condition of the proposed project site. In addition, the Phase I ESA included a visual assessment of the current conditions at the proposed project site and adjoining areas. A site visit was conducted on November 20, 2019 to identify physical and programmatic constraints, observe field conditions, and develop a Phase I ESA report in general conformance with the requirements of ASTM Standard E 1527-13. The proposed project site was not identified on any of the environmental database listings that were searched. Two Recognized Environmental Conditions (REC), an Historic Recognized Environmental Condition (HREC), and two Business Environmental Risks (BER) were identified on or near the airport property, but further investigation did not detect or identify these conditions or risks within the boundaries of the proposed project site.

A preliminary subsurface exploration program was completed on November 22, 2019 and groundwater samples were collected on December 13, 2019 for the Preliminary Geotechnical Report. Two test pits and three test borings were performed at the project site to obtain preliminary environmental conditions and subsurface information about soil, rock, and groundwater conditions to determine requirements for foundation design, construction dewatering and excavation. Bedrock was not encountered at any of the sites, through groundwater was observed at one boring at approximately 30 feet below ground surface. Soil samples were tested for a number of compounds which were all detected below NYS DEC Environmental Remediation Program criteria for unrestricted use soil cleanup objectives, therefore there are no restrictions for the reuse of excavated subsoil and glacial till on or off site. Finally, groundwater was tested for volatile organic compounds (VOCs) and SVOCs as well as

perflourinated alkyl acid (PFAA) compounds which are a sub-set of per- and polyfluoroalkyl substances (PFAS). None of these compounds were detected above laboratory detection limits, therefore no treatment for these compounds is warranted.

Classification of Action: ***Unlisted***

Lead Agency:
Westchester Joint Water Works
1625 Mamaroneck Ave
Mamaroneck, NY 10543

Contact Person:
Paul Kutzy, P.E.
Manager
Westchester Joint Water Works
Telephone: 914-698-3500 x 612
Email: pkutzy@wjww.com

C. FRAMEWORK FOR ENVIRONMENTAL REVIEW

The State Environmental Quality Review Act (SEQRA), codified as Article 8 of the New York State Environmental Conservation Law, requires a Lead Agency to analyze the environmental impacts of proposed actions and, to the maximum extent practicable, avoid or mitigate potentially significant adverse impacts on the environment, consistent with social, economic, and other essential considerations. An Environmental Impact Statement (EIS) is a comprehensive document used to systematically consider environmental effects, evaluate a reasonable range of alternatives, and identify and propose mitigation, to the maximum extent practicable, of any significant adverse environmental impacts. The EIS provides a means for the lead and involved agencies to consider environmental factors and choose among alternatives in their decision-making processes related to a proposed action.

An EIS will be prepared in accordance with SEQRA and its implementing regulations found at 6 N.Y.C.R.R. Part 617.

Environmental Review Process

The Westchester Joint Water Works is the lead agency and project sponsor for the State Environmental Quality Review of the Action. Westchester Joint Water Works has determined that the proposed project may potentially result in significant adverse environmental impacts and has directed that an EIS be prepared.

Scoping initiates the EIS preparation process and is intended to provide an early opportunity for the public and other agencies to participate. The purpose of the scoping process is to focus the EIS on "potentially significant adverse impacts and to eliminate consideration of those impacts that are irrelevant or not significant." 6 N.Y.C.R.R. § 617.8(a).

E. DRAFT EIS ("DEIS") FORMAT

Unless otherwise directed by this Scope, the provisions of 6 N.Y.C.R.R. § 617.9 apply to the content of the DEIS and are incorporated herein by reference.

The DEIS shall cover all items in this scope and will discuss all relevant and material facts. The DEIS will seek to identify reasonable alternatives to the proposed Action and to evaluate such alternatives.

Information will be presented in a manner that can be readily understood by the public. Narrative discussions will be accompanied by appropriate tables, charts, graphs and figures. Each potential environmental impact area will be presented in a separate section, which will include a discussion of existing conditions, impacts associated with the Proposed Action and any mitigation measures designed to minimize or mitigate any identified impacts. Highly technical material will be summarized and, if it must be included in its entirely, it will be referenced in the statement and included in an appendix.

The DEIS will be made available in both hard copy and electronic formats. The DEIS will be posted on the internet for agency and public review as required by law and printed copies will be distributed to all involved agencies and any party requesting a copy (a charge to cover the cost of printing maybe assessed to interested parties).

F. FORMAT AND SCOPE OF THE DEIS

Cover Sheet: The DEIS must begin with a cover sheet that identifies the following:

1. Identification of the document as a Draft Environmental Impact Statement;
2. The name and location of the Proposed Action;
3. WJWW as the Lead Agency and Project Sponsor for the Project, and the name, address, telephone number of the contact person for WJWW, and the SEQRA status (Unlisted);
4. The name, address and email address of the primary preparers of the DEIS, and a contact person representing the preparer;
5. The date the DEIS was accepted by the Lead Agency as complete;
6. The date of the public hearing on the DEIS and subsequent adjournments; and
7. The date before which public written comments on the DEIS are due.

List of Consultants Involved with the Project: The names, addresses and project responsibilities of all consultants involved with the project shall be listed.

Table of Contents: All headings that appear in the text should be presented in the Table of Contents along with the appropriate page numbers. In addition, the Table of Contents should include a list of figures, a list of tables, a list of appendix items, and a list of additional DEIS volumes, if any.

Chapter I Executive Summary: The major facts, analyses and conclusions contained in the main text will be summarized in the Executive Summary. No information shall be included in the Executive Summary that is not also contained in the main text.

Chapter 2 Project Description:

A. Introduction
B. Project Background, Need, Objectives and Benefits
    a. Project Background. Provide brief description of the site and current application's history. Describe the proposed Project in the context of other buildings and uses on adjacent and nearby sites.
    b. Public Need and Objectives. Discuss the goals of the proposed Project, including compliance with EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, and the Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004, and public health benefits and regulatory requirements. Describe the water quality issues that the Project is intended to address.
    c. Benefits of the proposed Project. Provide discussion of the benefits to accrue from the proposed Project including public health benefits and compliance with EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004.
C. Location and Site Conditions. Using appropriate mapping and/or tables, describe location of site, in terms of adjacent/nearby significant properties, districts, and services. Describe current site conditions and any constraining factors on redevelopment.
D. Project Design and Layout
    a. Overall Site Layout. At the level of detail required to undertake the requisite environmental impacts analysis, describe the proposed Project (including the proposed structure, square footages, and layout); utilities (including the general location of the proposed sewer and water lines, easements, and access points); parking, internal traffic flow; site quantities table; buffers/setbacks and salient features.
    b. Locate and Describe Land Apportionment and Property Transfer Process. Explain the location of County and WJWW owned lands and describe the transfer of ownership process that would take place as an apportionment of the Project site by Westchester County in exchange for property owned by the Applicant to Westchester County. Available information about any anticipated future use of the land that would deeded to the County will also be discussed.

c. Clearing, Grading and Drainage. Describe the clearing and grading programs and associated areas cleared and disturbed, approximate volumes of soil excavated, cut/filled, removed from site, and the anticipated maximum depths of cut/fill. Describe site drainage and the proposed drainage system and provide capacity and function information, as necessary.
d. Parking, Vehicle Access and Road System. Describe/discuss vehicle access point, internal roadway layout, traffic circulation, adequacy of on-site parking, conformance to design requirements.
e. Water Supply and Sanitary System. Provide descriptions of water supply and proposed wastewater treatment systems and corresponding use of water supply and sanitary design flow; describe sizes and locations of these systems.
f. Site Lighting, and Landscaping. Provide information on the type, amount and location of lighting and landscaping proposed; provide information on maintenance requirements, hours of illumination, and screening.

E. Construction Schedule and Operations. Brief description of anticipated construction schedule and processes; discuss construction materials storage/staging areas and construction schedule/estimated duration; workers' parking, hours of construction operations, and overview of construction traffic routes.
F. Permits and Approvals Required. Brief discussion of the required permits, reviews and approvals; and involved agencies.

<u>Chapter 3 Existing Conditions, Potential Impacts and Mitigation Measures</u>:

A. Land Use, Zoning and Public Policy

1. Land Use
    a. Existing Conditions
        i. Mapping and a description of the Project site including description of any relevant easements or other rights of use by others. (Map 3: Land Use)
        ii. Using appropriate mapping and/or tables, identify and describe land uses and land use patterns within 1/2 mile of the Project site.
    b. Potential Impacts
    Compare the proposed Project with existing land uses within 1/2 mile of the Project site.
    c. Mitigation Measures
    Discuss and evaluate mitigation measures for any identified significant adverse impacts.

2. Zoning
    a. Existing Conditions
        i. General description of the Special Business District (SB-O) zoning requirements including: use, lot and dimensional

requirements; review and approval process; and applicable design or site plan standards.

ii. Using appropriate mapping and/or tables, identify and describe all zoning districts within 1/2 mile of the Project site (Map 4: Zoning).

b. Potential Impacts

i. Discuss the compliance of the proposed Project with the SB-O regulations.

ii. Discuss relationship of the proposed SB-O zoning to adjacent zoning districts.

c. Mitigation Measures

Discuss and evaluate mitigation measures for all identified significant adverse impacts.

3. Policy Documents

a. Existing Conditions

i. Review and analyze the goals and recommendations of the following documents as they relate to the Proposed Action:

- Village/Town of Harrison 2013 Comprehensive Plan
- Westchester County 2017 Airport Master Plan

b. Potential Impacts

Compare the consistency of the Proposed Action with the relevant policy documents listed above.

c. Mitigation Measures

Discuss and evaluate mitigation measures for all identified significant adverse impacts.

B. Community Character and Visual Impacts

1. Existing Conditions

a. Using appropriate mapping and photographs, describe the visual and community character of the Project site and area for observers along roadways and from the following public vantage points:

- Along Purchase Street;
- Intersections of Purchase Street and Lake Street; Purchase Street and Tower Road; and Purchase Street and Oak Valley Lane. (Map 5: Visual Impact)

b. Visual resources within the vicinity of the Project site will be identified, and may include such landscape elements as water bodies, landmark structures and other cultural resources, parks, unique topographic or geologic features, and critical environmental areas, where applicable.

2. Potential Impacts

a. Describe the proposed Project in relation to surrounding buildings and uses using the NYSDEC Program Policy, Assessing and Mitigating Visual Impacts, DEP-00-2 as a guideline.
b. Provide illustrative renderings and site sections of the proposed Project. Discuss at a level of detail appropriate for inclusion in the DEIS, the proposed materials and architectural design for the proposed structures on the Project site.
c. Illustrate visibility of the proposed Project from Purchase Street through common graphic design photographic simulations. Also include a sight line that distinguishes the existing visibility of the site compared to the visibility of the proposed Project from each direction depicted on Map 5.
d. Discuss at a level of detail appropriate for inclusion in the DEIS the proposed exterior lighting program, including typical light fixtures maximum foot candles, and how this complies with any applicable Town lighting standards. Any impacts on the neighboring properties will also be discussed.
e. Discuss any visual screening or other requirement by the Federal Aviation Administration associated with the proposed Project.

3. Mitigation Measures
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

C. Fiscal and Economic Impacts

1. Existing Conditions
   a. Describe the existing tax revenues generated by the Project site.
2. Potential Impacts
   a. Analyze the fiscal impact (taxes generated versus costs incurred) to the Town/Village of Harrison, the Harrison Central School District, Town/Village of Harrison's special districts, and Westchester County as a result of the proposed Project.
   b. A summary and assessment of the impact to the proposed Project on the water rates for WJWW's customers.
   c. Discuss addition of WJWW employees as a result of the proposed Project.
3. Mitigation Measures
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

D. Community Services

1. Demographics
   a. Existing Conditions

i. Describe current population of the Town of Harrison.
ii. Describe population being served by the Proposed Action.

b. Potential Impacts
i. Discuss any potential population changes as a result of the Proposed Action.

c. Mitigation Measures
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

2. Police, Fire and Emergency Medical Services (EMS)
a. Existing Conditions
i. Identify the staff size and organization of the Police and Fire Departments and EMS.
ii. Identify the location of police, fire and EMS stations.
iii. Identify average response time to the area of the Project site for police, fire and EMS.

b. Potential Impacts
i. Evaluate increased demand for police, fire and EMS services.
ii. Identify concerns of the Police and Fire Departments and EMS (if any).
iii. Analyze the adequacy of access to the proposed Project.
iv. Assess whether the site plan would adequately provide emergency service access.

c. Mitigation Measures
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

3. Solid Waste
a. Existing Conditions
i. Discuss existing solid waste generation, including recycling, from the Project site and current solid waste collection, including recycling, and disposal for the Project Site.

b. Potential Impacts
i. Discuss anticipated Project generated solid waste and disposal at full build out.
ii. Discuss on-site storage location and containers, and removal process.

c. Mitigation Measures
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

E. Utilities

1. Existing Conditions

a. Discuss the current water supply system and the identified upgrades required for the WJWW drinking water supply system associated with the Proposed Action, including the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004.
b. Identify location of existing public water and sewer mains and current capacity levels at the Project site. Pressure and flow of the existing water and sewer mains will be discussed and proposed connections and required improvements will be discussed.
c. Identify current availability of existing electric, telephone, and cellular data.

2. Potential Impacts
   a. Discuss the impact on the population being serviced by the Proposed Action and its compliance with the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004.
   b. Discuss potential cumulative impacts associated with the additional on-site water demand as a result of the construction of the filtration plant in combination with other proposed or approved projects in the Town of Harrison. The preliminary design for the proposed on-site water system and expansion of water lines to serve the site shall be clearly explained with discussion of output and fire flow capacities.
   c. Estimate the potential sewage generation from the proposed Project. Identify the sewer district in which the site is located and the location where the sewage is treated and discharged. The new sanitary forced main to the existing sewer main will be discussed and any resulting environmental impacts will be assessed.
   d. Discuss any proposed upgrades or installation of electric, telephone, and cellular data.
3. Mitigation Measures
   Discuss and evaluate mitigation measures for all identified significant adverse impacts.

F. Stormwater

1. Existing Conditions
   a. Identify and map existing drainage infrastructure on site and in the vicinity of the property.
   b. Discuss existing drainage patterns and hydrologic characteristics of the site. Identify and discuss ultimate points of existing stormwater discharge from the site.

c. Prepare a pre-development hydrologic analysis to determine existing peak rates of runoff from the Project area during the statistical 1-, 10-, 25-, and 100-year storm events. This analysis will be the basis for determining stormwater management requirements.
d. Discuss and map land coverage and hydrologic soil groups within the tributary watershed area.

2. Potential Impacts
   a. Discuss any changes to the quality or quantity of stormwater runoff due to the Project.
   b. Discuss the proposed drainage collection system.
   c. Prepare a post-development hydrologic analysis to determine the changes in the pre-development peak runoff rates.
   d. Summarize the draft Storm Water Pollution Prevention Plan and discuss compliance with local stormwater management regulation (Town Code Chapter 130 Stormwater Management and Erosion and Sediment Control), NYSDEC general permits and NYC DEP Stormwater regulations.
   e. The access to, ownership of, and responsibility for maintenance requirements during construction and long-term maintenance of any stormwater management facilities shall be discussed.
   f. Discuss the capacity of the proposed storm sewer system and any connections to the existing storm sewer or adjacent watercourses.
3. Mitigation Measures
   Discuss and evaluate mitigation measures for all identified significant adverse impacts.

G. Geology – Soils, and Topography

1. Existing Conditions
   a. A topographic survey based on a two-foot contour interval will be prepared. Existing topography will be mapped based on the following slope categories: 0-15%, 15-25%, and 25% and greater. A comparison of existing and proposed topography will be evaluated. The following will be described:
      i. A preliminary cut and fill analysis, including an analysis of the disposal of excess cut or the import of fill materials, if fill is required, as well as identification of areas where cut will reach the water table and contingency plans to deal with discharge of groundwater to the surface.
   b. Describe regional and bedrock geology.
   c. Identify and list soil types on the site, with discussion of soil characteristics and suitability for construction. Include a soils map.
2. Potential Impacts
   a. Provide preliminary grading plan and limit of disturbance line.

b. If excess earth materials will need to be removed from the site, estimate the number of tons and truck trips necessary to carry out the construction and identify the routes the trucks will take and describe the method of removal.
c. Discuss the proposed Project's compliance with Chapter 199, Steep Slopes Protection, of the Town Code.

3. Mitigation Measures
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

H. Vegetation and Wildlife

1. Existing Conditions
   a. Describe the vegetation, including trees, found on-site and the pattern of this vegetation; describe the habitat of the site and quality of each; describe observed and expected wildlife species; consult Breeding Bird Atlas for site and area species; conduct field inspections by staff biologist; contact NY Natural Heritage Program/ review NYSDEC Environmental Mapper database for site file information; identify any rare wildlife, vegetation, and/or habitats/ ecological communities.
   b. Incorporate any current ecological studies conducted on the Project site.
2. Potential Impacts
   a. Discuss changes in vegetation pattern and habitats on-site.
   b. Discuss tree clearing and impacts regarding changes to habitat on site and in the area; discuss impact on expected and identified wildlife species; discuss significance of any information obtained from NY Natural Heritage Program, NYSDEC Environmental mapper, Breeding Bird Atlas, and site inspection by qualified professional.
   c. Discuss the proposed Project's compliance with Chapter 220, Trees, of the Town Code.
3. Mitigation Measures
   Discuss and evaluate mitigation measures for all identified significant adverse impacts.

I. Wetlands, Waterbodies, Watercourses, and Floodplains

1. Existing Conditions
   a. Delineate and map existing streams, waterbodies, wetlands and wetland buffers under federal (U.S. Army Corps of Engineers), State, and Town jurisdictions, including as required by federal regulations.
2. Anticipated Impacts
   a. Describe any impacts to the wetlands, waterbodies, watercourses, and floodplains.

b. Discuss the proposed Project's compliance with Chapter 146, Flood Damage Prevention, and 149 Freshwater Wetlands, of the Town Code.
c. Discuss compliance with U.S. Army Corps of Engineers protocol to avoid and minimize impacts and identify any applicable permits that may be required.

3. Proposed Mitigation
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

J. Archeological and Historical Resources

1. Existing Conditions
a. A description of current correspondence with New York State Office of Parks, Recreation and Historic Preservation (NYOPRHP) as part of the SEQRA consultation process will be provided including a summary of Phase 1 Archeology Report.
b. Any additional impact areas as a result of the proposed utility lines will be identified and submitted to NYOPRHP as part of the SEQR consultation process and project notification paperwork will be submitted electronically using the agency's Cultural Resources Information System (CRIS).
2. Potential Impacts
a. Identify potential impacts to archeological or historical resources, if any, based on the results of the project notification paperwork in accordance with NYOPRHP.
3. Mitigation Measures
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

K. Traffic and Transportation

1. Existing Conditions
a. A site visit will be performed to observe the existing roadway network and adjacent land use. An inventory of roadway and regulatory conditions will be provided of the roadway network within ½ mile of the site. Information collected will include:
i. Traffic control devices;
ii. Pavement width and condition;
iii. Number of travel lanes and lane designation;
iv. Sidewalks, curb ramps and bus stops
v. On-street parking restrictions and posted speed limits;
vi. Transit facilities and services;
vii. Accident data
b. Discuss existing on-site parking conditions.

c. Traffic Data Collection. Existing traffic conditions will be documented for the weekday AM and PM peak hours from historical data and by conducting turning movement manual counts from 7:45 a.m. to 10:15 a.m. and 4:00 p.m. to 6:15 p.m. at the following intersections:
    - Purchase Street at Lake Street;
    - Purchase Street at Tower Road

2. Potential Impacts
    a. "No Build" Traffic Volumes/Capacity Analysis - to include background traffic growth and other proposed projects in the area, to the extent known and taking into account any information received from the Town of Harrison Building Department and Planning Board. "No Build" and "Build" traffic volume analyses will be estimated for the year 2025 (estimated year of operation).
    b. "Build" Traffic Volumes/Capacity Analysis – Using the Institute of Transportation Engineers (ITE) *trip Generation Manual,* 10th Edition anticipated trip generation will be modeled for the Proposed Action including construction and operations. Arrival and departure distributions will be developed based upon a review of existing traffic volumes on the roadway network and data provided by WJWW. The pre- and post-construction traffic volumes will be added to the No-Build traffic volumes to get the "Construction Traffic Volumes" and the "Build" traffic volumes. The Site Generated Traffic Volumes will be assigned to the roadway network based on the anticipated arrival and departure distributions. The Site Generated Traffic Volumes will be combined with the No Build Traffic Volumes to obtain the Build Traffic Volumes for each of the peak hours. A Synchro network model will be developed to model the intersections and assess the differences in traffic operation between build and no-build conditions.
        i. Impacts will be analyzed for traffic capacity by comparing accident rates to the statewide average. In addition, an increase in traffic volume above 5% of the existing condition might indicate that mitigation is warranted.
        ii. Changes in levels of service (LOS) will be analyzed and compared to acceptable industry standards. Where the existing LOS is A or B, a change in two LOS might precipitate a mitigation. Where existing LOS is C, D or E, an increase in turning delay beyond 10 seconds might precipitate a mitigation.
    c. Describe on-site traffic access and circulation, including stopping sight distances and truck turning analyses at the site driveway and intersections identified to demonstrate that fire apparatus, construction and delivery vehicles will be able to access, circulate and leave the site.

i. Impacts for access and circulation will be analyzed based on whether or not turning radii or sight distance meet the minimum criteria using ITE industry standards.

d. Describe potential impacts to character of surrounding streets and provide a qualitative analysis on the proposed truck route and its safety.
e. Provide a parking analysis for proposed uses on site.
f. Discuss any temporary or permanent measures that may be required or become necessary.

3. Mitigation Measures
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

L. Noise

1. Existing Conditions
   a. Provide a quantitative description of the existing noise environment at the Project site both mobile and immobile noises through monitoring. Existing, ambient noise levels will be measured along the property's boundaries during weekday peak traffic times. Special attention will be paid to sound/noise levels along areas that occur as substantial contributors to the existing, ambient condition. Sound source additions to the property will then be calculated at property boundaries per Chapter 177, Noise, of the Harrison Town Code and federal noise standards.
2. Potential Impacts
   a. Provide a quantitative analysis of potential operational noise impacts from the Project. The propagation of the sound to the property boundary and closest residential property toward the west as a result of the Project will also be calculated. This section will consider noise impacts both on the Project area and/or residents, receptors from other surrounding land uses as well as from the project itself using available data from the manufacturer and the applicant. Short term construction impacts will also be qualitatively described.
   b. During operations, truck traffic is not anticipated to enter the site more than twice per week, producing minimal noise concerns, therefore noise related to operational traffic will be qualitatively discussed.
   c. Provide discussion of the construction related impacts of noise and the Project's adherence to the Chapter 177, Noise, of the Harrison Town Code.
   d. Provide discussion of post construction noise and the Project's adherence to the Chapter 177, Noise, of the Harrison Town Code.
3. Mitigation Measures
   Discuss and evaluate mitigation measures for all identified significant adverse impacts.

M. Air

1. Existing Conditions
    a. Summarize existing ambient air quality conditions in the region based on published New York State Department of Environmental Conservation ambient air monitoring data.
2. Potential Impacts
    a. Provide a qualitative analysis of the potential air impacts resulting from site preparation, and post-construction activities.
3. Mitigation Measures
    Discuss and evaluate mitigation measures for all identified significant adverse impacts.

N. Public Health

1. Drinking Water
    a. Existing Conditions
        i. Summarize the current drinking water requirements and the current water quality.
    b. Potential Impacts
        i. Discuss the impacts of implementing the Proposed Action on drinking water.
    c. Mitigation Measures
    Discuss and evaluate mitigation measures for all identified significant adverse impacts.

2. Hazardous Waste
    a. Existing Conditions
        i. Summarize the findings of a Phase I Environmental Site Assessment of the site.
    b. Potential Impacts
        i. If any environmental contaminants are discovered on site, describe methods for abatement that would occur prior to commencement of or during construction activities.
    c. Mitigation Measures
    Discuss and evaluate mitigation measures for all identified significant adverse impacts.

O. Construction

1. Potential Impacts
    a. Describe the construction schedule and construction phasing plan.
    b. Qualitatively assess potential construction-related impacts to air.

c. Quantitatively assess potential construction-related impacts to noise and traffic.
d. Discuss impacts on adjacent land uses associated with proposed construction activities, including access to the site for construction vehicles, effects of construction traffic on adjacent roadways, effects of construction noise on adjacent receptors, construction staging and management of fill export and import.
e. Provide proposed techniques for rock removal, should it become necessary during construction. Describe potential impacts to adjacent properties that could result from rock removal. Any required pre-blast surveys, photo/video demonstration, and seismic monitoring should be discussed.

2. Mitigation Measures
Discuss and evaluate mitigation measures for all identified significant adverse impacts.

Chapter 4 Other Environmental Impacts

Based on the discussion in Chapter 3, any of the following areas of impact will be summarized and considered cumulatively.

1. Unavoidable Adverse Environmental Impacts.
2. Irreversible and Irretrievable Commitment of Resources.
3. Growth-Inducing, Secondary and Cumulative Impacts. A cumulative analysis of the proposed action and the proposed UV Treatment Facility that will be located at 900 Lake Street in Harrison New York will be discussed. Growth-inducing aspects of the proposed action include its direct and indirect effects that promote additional development in the area. The nature of such anticipated growth as related to the Proposed Action will be described, and the impacts of that growth will be assessed. The cumulative impacts of the Proposed Action will be analyzed in consideration of the policies and development activities in adjoining communities.
4. Energy Use and Conservation. Provide a brief discussion on those aspects of the proposed project which would contribute to an increase in energy as well as potential options for conservation; discuss impacts from greenhouse gas emissions.
5. Measures to Avoid or Reduce Impacts on Climate Change. Provide a brief discussion on the Project's impacts on climate change and any associated impacts due to the effects of climate change such as sea level rise and flooding.

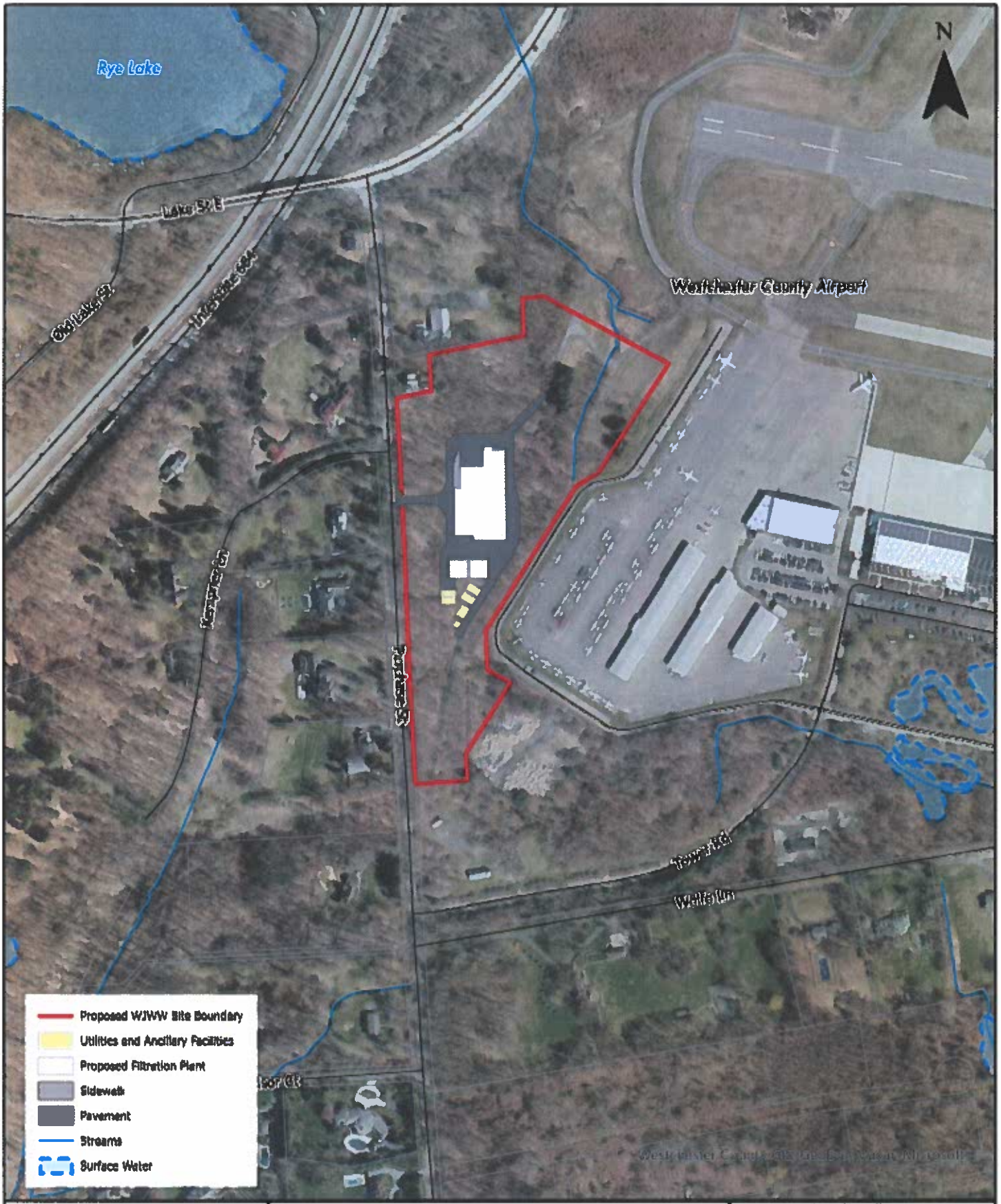
Chapter 5 Alternatives

Summarize prior alternatives investigated to achieve regulatory compliance.

1. Alternative 1: No Action (Discuss the scenario where the status of existing land use remains unchanged.)
2. Alternative 2: Alternative Site Plan (Discuss the option of building the plant on the WJWW property which is part of the land swap in the proposed action as shown in Map 2).
3. Alternative 3: Alternative filtration technology (Discuss the potential of meeting the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004, and current federal drinking water standards through another technology other than what is proposed in the Proposed Action).
4. Alternative 4: Alternative façade treatments for the filtration plant will be presented and discussed.

Chapter 6 References

Provide listing of the various documents and information sources utilized in the preparation of the Draft EIS.



NPV

Map 1: Site Location

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 400 feet

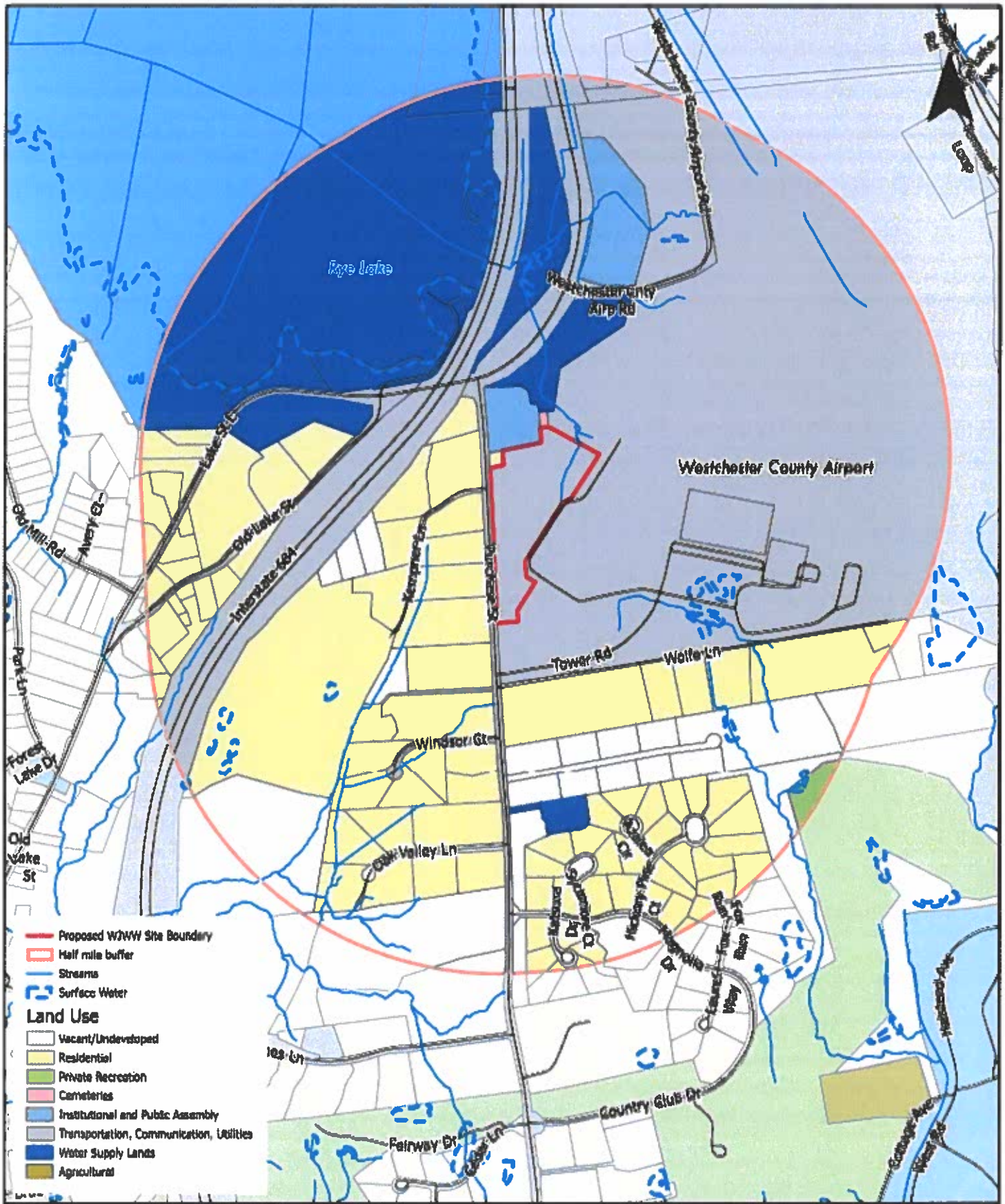
Westchester Joint Water Works Water Filtration Plant

NPV

Map 2: Land Swap Properties

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 700 feet

Westchester Joint Water Works
Water Filtration Plant

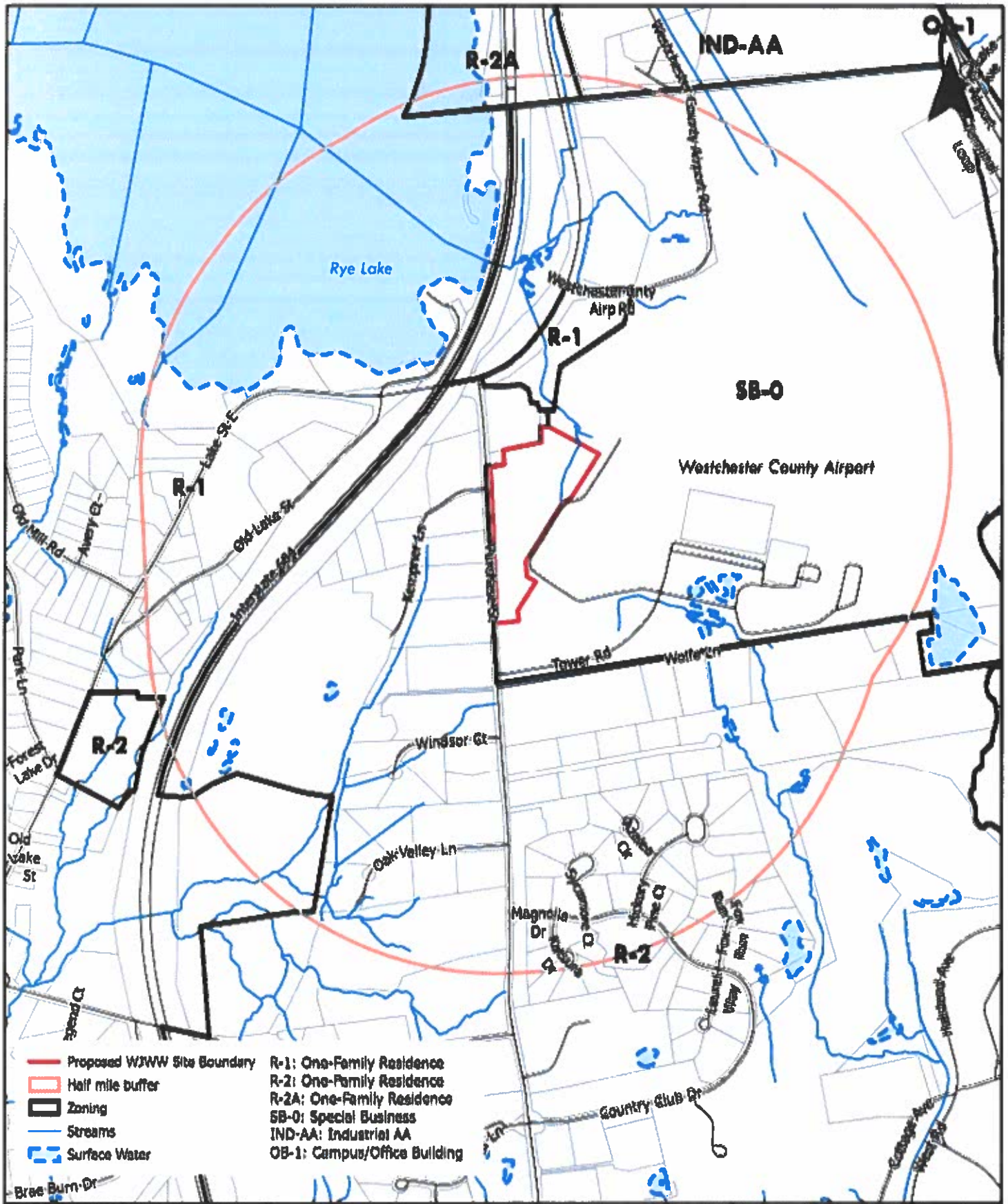


NPV

Map 9: Land Use

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 1,000 feet

Westchester Joint Water Works
Water Filtration Plant



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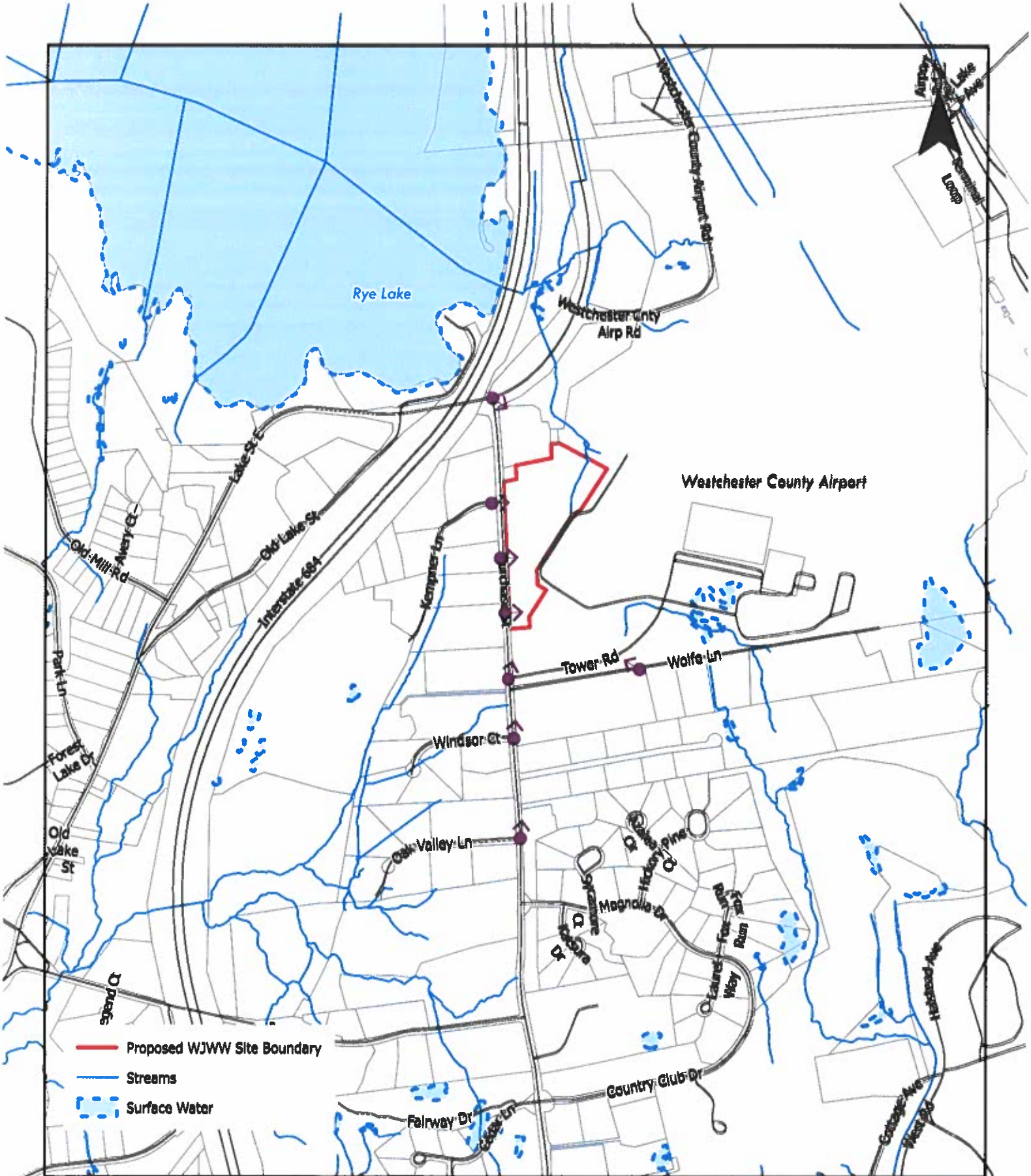
Map 4: Zoning

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 1,000 feet

Westchester Joint Water Works Water Filtration Plant



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Map 5: Visual Impact

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 1,000 feet

Westchester Joint Water Works
Water Filtration Plant

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

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

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

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

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Westchester Joint Water Works Rye Lake Filtration Facility		
Project Location (describe, and attach a general location map): Tower Rd, Town of Harrison, Westchester County, (P/O SBL 0009710000008) ~1,000 ft north of intersection of Tower Road & Purchase Street (Figure 1)		
Brief Description of Proposed Action (include purpose or need): See Attachment 1		
Name of Applicant/Sponsor: Westchester Joint Water Works	Telephone: 914-698-3500 E-Mail: pkutzy@wjww.com	
Address: 1625 Mamaroneck Avenue		
City/PO: Mamaroneck	State: New York	Zip Code: 10543
Project Contact (if not same as sponsor; give name and title/role): Paul Kutzy, Manager, Westchester Joint Water Works	Telephone: 914-698-3500 (x 611) E-Mail: pkutzy@wjww.com	
Address: 1625 Mamaroneck Avenue		
City/PO: Mamaroneck	State: New York	Zip Code: 10543
Property Owner (if not same as sponsor): Westchester County (Comm. of Public Works and Transportations Hugh J. Greechan, Jr.)	Telephone: (914) 995-2546 E-Mail: hjg7@westchestergov.com	
Address: 148 Martine Avenue		
City/PO: White Plains	State: NY	Zip Code: 10601

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No	See Attachment 1	See Attachment 1
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	See Attachment 1	See Attachment 1
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☑Yes ☐No	See Attachment 1	See Attachment 1
e. County agencies ☑Yes ☐No	See Attachment 1	See Attachment 1
f. Regional agencies ☑Yes ☐No	See Attachment 1	See Attachment 1
g. State agencies ☑Yes ☐No	See Attachment 1	See Attachment 1
h. Federal agencies ☑Yes ☐No	See Attachment 1	See Attachment 1

i. Coastal Resources.

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

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

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

C. Planning and Zoning

C.1. Planning and zoning actions.

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

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

C.2. Adopted land use plans.

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

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

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

If Yes, identify the plan(s):

New York City Watershed Boundary, Critical Environmental Area (Airport 60 Ldn Noise Contour)

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

If Yes, identify the plan(s):

N/A

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
SB-0 Special Business District

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

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

C.4. Existing community services.

a. In what school district is the project site located? Harrison Central School District [Note: The Proposed Project would not result in changes to the current population and therefore would not result in changes in demand on the school district.]

b. What police or other public protection forces serve the project site?
Town of Harrison Police Department, Westchester County Department of Emergency Services

c. Which fire protection and emergency medical services serve the project site?
Purchase Fire Department, Harrison Emergency Medical Services, Westchester County Department of Emergency Services

d. What parks serve the project site?
There are no parks within 1/2-mile of the proposed project site. [Note: The Proposed Project would not result in changes to the current population and therefore would not result in changes in use or demand on open space.]

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Industrial

b. a. Total acreage of the site of the proposed action? 13.4 acres
b. Total acreage to be physically disturbed? up to 8 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 0 acres

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

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

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: 30 months
ii. If Yes: N/A
- Total number of phases anticipated
- Anticipated commencement date of phase 1 (including demolition) month year
- Anticipated completion date of final phase month year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:
N/A

f. Does the project include new residential uses? ☐Yes ☑No
If Yes, show numbers of units proposed. N/A

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

g. Does the proposed action include new non-residential construction (including expansions)? ☑Yes ☐No
If Yes,
i. Total number of structures 1
ii. Dimensions (in feet) of largest proposed structure: 30 height; 155 width; and 284 length
iii. Approximate extent of building space to be heated or cooled: ~40,000 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☑Yes ☐No
If Yes,
i. Purpose of the impoundment: Stormwater infrastructure and ponds to attenuate peak flows to pre-construction conditions
ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☑Other specify: Stormwater runoff
iii. If other than water, identify the type of impounded/contained liquids and their source. N/A
iv. Approximate size of the proposed impoundment. Volume: TBD million gallons; surface area: TBD acres
v. Dimensions of the proposed dam or impounding structure: TBD height; TBD length
vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): Stormwater ponds would be excavated and impounding structure would be composed of earth fill

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☑Yes ☐No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)
If Yes:
i. What is the purpose of the excavation or dredging? Installation of foundation, below-grade process tanks, utilities, and stormwater BMPs
ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
- Volume (specify tons or cubic yards): 125,000 CY
- Over what duration of time? 6-12 months

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.
Materials to be excavated include earth, rock, and soil for building foundation, below-grade portion of process tanks, and potential stormwater BMPs. A portion of these excavated materials will be used for grading onsite and the remainder will be hauled offsite to an approved disposal facility.
iv. Will there be onsite dewatering or processing of excavated materials? ☑Yes ☐No
If yes, describe. Onsite dewatering would potentially be required during construction for excavation of the main process building and potentially excavation of stormwater BMPs.
v. What is the total area to be dredged or excavated? up to 8 acres
vi. What is the maximum area to be worked at any one time? 5 acres
vii. What would be the maximum depth of excavation or dredging? 40 feet
viii. Will the excavation require blasting? ☐Yes ☑No
ix. Summarize site reclamation goals and plan: None identified at this time.

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☑Yes ☐No
If Yes:
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): A wetland delineation was conducted on August 14, 2019 to confirm the location of wetlands previously identified in an FEIS conducted for an unrelated project. NYSDEC and federal wetlands are located on site.

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:
A portion of the facility, supporting utility equipment, and parking lot will encroach the wetland buffer area. A small portion of the parking lot will encroach slightly into the wetland.

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☑No
If Yes, describe: N/A

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

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

v. Describe any proposed reclamation/mitigation following disturbance: N/A

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

i. Total anticipated water usage/demand per day: 1,440 gallons/day

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

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

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

- Describe extensions or capacity expansions proposed to serve this project: Proposed water main extension to support construction/operation and transmission main to/from Purchase Street
- Source(s) of supply for the district: Rye Lake

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

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

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

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: N/A gallons/minute.

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

i. Total anticipated liquid waste generation per day: 1,680 - 2,400 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each):
Sanitary wastewater (1,440 gpd) and industrial process wastewater (240 to 600 gpd). There will be no hazardous waste included in the liquid wastes. See Attachment 1 for further discussion.

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

- Name of wastewater treatment plant to be used: Blind Brook Wastewater Treatment Plant
- Name of district: Blind Brook Sewer District
- Does the existing wastewater treatment plant have capacity to serve the project? ☑Yes ☐No
- Is the project site in the existing district? ☑Yes ☐No
- Is expansion of the district needed? ☐Yes ☑No

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

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: Proposed new sanitary force main to connect to existing sewer line

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

If Yes:

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

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

vi. Describe any plans or designs to capture, recycle or reuse liquid waste:
N/A

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

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?
_____ Square feet or 2.41 acres (impervious surface)
_____ Square feet or 13.4 acres (parcel size)

ii. Describe types of new point sources. Drainage piping, drainage swales, roof gutters, curbs

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?
Stormwater discharges will be directed to on-site stormwater management structures, including bioretention and storage basins, and ultimately discharge to a stream (Class A), which runs through freshwater wetlands prior to discharge into Rye Lake.

- If to surface waters, identify receiving water bodies or wetlands:
Stream 935-45 (Class A), adjacent freshwater wetlands, and Rye Lake
- Will stormwater runoff flow to adjacent properties? ☑Yes ☐No

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

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

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)
Employee and visitor vehicles, chemical delivery vehicles, sludge hauling trucks

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

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)
Emergency generator, handling of water treatment residuals

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

If Yes:

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

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

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

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

If Yes:

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

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

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

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

N/A

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

If Yes:

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

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks):

1-2 operators on site, with minimal regular attendance/traffic ~2-3 trucks per week for sludge hauling, and ~5 chemical delivery trucks per month

iii. Parking spaces: Existing 0 Proposed 5-10 Net increase/decrease 5-10

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

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

N/A

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

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

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

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

If Yes:

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

3,000 kVA is a maximum instantaneous power and the annual demand is still being determined.

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

Local grid / utility (Con Edison)

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

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

i. During Construction:

- Monday - Friday: 7:30 AM - 4:00 PM
- Saturday: N/A
- Sunday: N/A
- Holidays: N/A

ii. During Operations:

- Monday - Friday: 24 hours/d
- Saturday: 24 hours/d
- Sunday: 24 hours/d
- Holidays: 24 hours/d

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

If yes:

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

Construction noise sources include construction equipment and construction-related vehicles during weekdays and will adhere to Chapter 177, Noise. Operational noise levels are not anticipated to exceed existing ambient noise levels.

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

Describe: Site preparation may require tree removal within the site that could act as a natural noise barrier or screen. The proposed plan would include a 100-feet setback from Purchase Street and landscaping.

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

If yes:

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

Exterior lighting for roadways, parking areas, and pedestrian walkways/entrances would be provided. Illumination levels and fixture locations would be based on personnel safety and security, with attention to prevent glare and reduce light seen outside facility area.

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

Describe: Site preparation may require tree removal within the site that could act as a natural light barrier or screen. The proposed plan would include a 100-feet setback from Purchase Street.

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

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

N/A

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

If Yes: Polyaluminum Chloride or alum, Sodium Hydroxide (NaOH), Sodium Hydroxide (NaOCl), Hydrofluorsilicic Acid (fluoride),

i. Product(s) to be stored corrosion inhibitor, sulfonic acid (future), polymer (future), diesel fuel and/or propane

ii. Volume(s) 61,120 gal per unit time N/A (e.g., month, year)

iii. Generally, describe the proposed storage facilities:

Process chemicals and diesel fuel would be stored in tanks with secondary containment within the facility.

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

If Yes:

i. Describe proposed treatment(s):

N/A

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

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

If Yes:

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

- Construction: 33 tons per month (unit of time)
- Operation : 0.22 tons per month (unit of time) See Attachment 1

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

- Construction: None identified at this time.
- Operation: None identified at this time.

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

- Construction: Disposal at the Charles Point Resource Recovery Plant in Peekskill, NY
- Operation: Worker-generated solid waste would be disposed of at the Charles Point Resource Recovery Plant in Peekskill, NY in accordance with local requirements. Treatment byproduct solids would be hauled offsite for disposal at an approved facility.

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

If Yes:

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

ii. Anticipated rate of disposal/processing:

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

iii. If landfill, anticipated site life: N/A years

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

If Yes:

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

ii. Generally describe processes or activities involving hazardous wastes or constituents: N/A

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

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

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

If Yes: provide name and location of facility: N/A

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

E. Site and Setting of Proposed Action

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

a. Existing land uses.

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

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

ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.7	2.4	+1.7
• Forested	10.6	7.3	-3.3
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	0	0
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.1	0.1	0
• Wetlands (freshwater or tidal)	2.0	2.0	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: Stormwater Best Management Practice	0	1.6	1.6

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

i. If Yes: explain: N/A

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

If Yes,

i. Identify Facilities:

N/A

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

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: N/A feet
- Dam length: N/A feet
- Surface area: N/A acres
- Volume impounded: N/A gallons OR acre-feet

ii. Dam's existing hazard classification: N/A

iii. Provide date and summarize results of last inspection:

N/A

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

If Yes:

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

- If yes, cite sources/documentation: NYSDEC Environmental Remediation Database Site 360036 Harrison Subresidency

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

The closed solid waste management facility (landfill) is located approximately 0.28 miles east and cross-gradient from the proposed project site.

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

Pending Phase II Environmental Site Assessment.

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

If Yes:

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

The project site is adjacent to an area that was used to dispose roadside and highway construction debris from 1967 to 1976 (Environmental Remediation Site 360035). Prior to remediation, contaminants of concern were benzene, toluene, ethylbenzene, and xylene. Remediation at the site is complete.

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

If Yes:

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

☐ Yes – Spills Incidents database — Provide DEC ID number(s): N/A

☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): N/A

☑ Neither database

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

N/A

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

If yes, provide DEC ID number(s): Environmental Remediation Sites: 360035 - Harrison Subresidency, V00652 Former DPW Staging Area

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

Environmental Remediation Site 360036 Harrison Subresidency: Remediation is complete. Landfill is closed.

Environmental Remediation Site V00652 Former DPW Staging Area: Remediation is complete.

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

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

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? N/A feet Bedrock not encountered during preliminary geotechnical investigation up to 50 ft below ground surface

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

c. Predominant soil type(s) present on project site:

Woodbridge loam (WdB)	36.9 %
Udorthents, smoothed (Ub)	24.7 %
Paxton fine sandy loam (PnB)	17.2 %

d. What is the average depth to the water table on the project site? Average: 18 feet

e. Drainage status of project site soils:

☑ Well Drained:	17 % of site
☑ Moderately Well Drained:	62 % of site
☑ Poorly Drained	21 % of site

f. Approximate proportion of proposed action site with slopes:

☑ 0-10%:	100 % of site
☑ 10-15%:	0 % of site
☑ 15% or greater:	0 % of site

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

h. Surface water features.

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

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

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

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

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

- Streams: Name 935-45 Classification A
- Lakes or Ponds: Name N/A Classification N/A
- Wetlands: Name Unknown Approximate Size 0.1 acres
- Wetland No. (if regulated by DEC)

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

If yes, name of impaired water body/bodies and basis for listing as impaired: N/A

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

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

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

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

i. Name of aquifer: N/A

m. Identify the predominant wildlife species that occupy or use the project site:

Eastern Chipmunk (Tamias striatus)	Striped Skunk (Mephitis mephitis)	eastern cottontail (Sylvilagus floridanus)
Grey Squirrel (Sciurus carolinensis)	Red Fox (Vulpes vulpes)	American Robin (Turdus migratorius)
WhiteTailed Deer (Odocoileus virginaus	little brown bat (Myotis lucifugus)	Blue Jay (Cyanocitta cristata)

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation): N/A

ii. Source(s) of description or evaluation: N/A

iii. Extent of community/habitat:

- Currently: N/A acres
- Following completion of project as proposed: N/A acres
- Gain or loss (indicate + or -): N/A acres

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

If Yes:

i. Species and listing (endangered or threatened):

IPac identified 3 federal threatened or endangered species that could occur within/adjacent to the project area: Bog Turtle (Clemmys muhlenbergii), Indiana Bat (Myotis sodalist), and Northern Long-eared Bat (Myotis septentrionalis). Critical habitat is not present within the project site. NYSDEC New York Natural Heritage Program did not identify any threatened or endangered species or designated critical habitat within/adjacent to the project area.

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

If Yes:

i. Species and listing:

N/A

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No

If yes, give a brief description of how the proposed action may affect that use: N/A

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

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

If Yes, provide county plus district name/number: N/A

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No

i. If Yes: acreage(s) on project site? N/A

ii. Source(s) of soil rating(s): N/A

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No

If Yes:

i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent: N/A

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☑ Yes ☐ No

If Yes:

i. CEA name: Airport 60 Ldn Noise Contour

ii. Basis for designation: Exceptional or unique character

iii. Designating agency and date: Westchester County, 1-31-1990

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐ Yes ☑ No

If Yes:

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

ii. Name: N/A

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

N/A

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

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

If Yes:

i. Describe possible resource(s): See Attachment 1

ii. Basis for identification: See Attachment 1

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

If Yes:

i. Identify resource: N/A

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

iii. Distance between project and resource: N/A miles.

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

If Yes:

i. Identify the name of the river and its designation: N/A

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

F. Additional Information

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

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

G. Verification

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

Applicant/Sponsor Name Paul Kutzy Date 1-11-21

Signature Title Manager

PRINT FORM

Full Environmental Assessment Form, Part 1 – Project and Setting
Attachment 1

Section A. Project and Applicant/Sponsor Information

Background

Westchester Joint Water Works is a non-profit public benefit corporation consisting of the member municipalities of the Village of Mamaroneck, Town of Mamaroneck, and the Town/Village of Harrison. WJWW supplies water on a retail basis to its member municipalities and to portions of the City of Rye and the City of New Rochelle, serving a total retail population of over 59,000 persons from over 14,600 service connections. WJWW also sells water on a wholesale basis to the Village of Larchmont and Suez Water Westchester, which supplies water to the City of Rye, Village of Rye Brook, and Village of Port Chester.

The water supply for the WJWW system is obtained from the upstate Catskill and Delaware watersheds of the New York City water system. WJWW draws its water from two connections to the City system: (i) Shaft 22 of the NYCDEP Delaware Aqueduct in Yonkers and (ii) Rye Lake, the eastern portion of Kensico Reservoir, in Harrison. The Proposed Action is related to water drawn from Rye Lake.

The Rye Lake source water is currently treated with chlorine, fluoride, and corrosion inhibitor at the Rye Lake Pump Station (RLPS). The water is pumped to the Purchase Street Storage Tanks where pH adjustment occurs via the addition of sodium hydroxide.

In 1993, New York State Department of Health (NYSDOH) determined that Rye Lake does not meet the criteria established by the State for filtration avoidance. In response to this determination, WJWW took several steps to avoid the need for the construction of a costly filtration plant. These steps included improvements to its chlorination disinfection system and the construction of additional treated water storage capacity to provide additional disinfection contact time. The raw water intake was also moved farther into Rye Lake and placed at a greater depth to access higher quality water from the lake. In addition, a turbidity curtain was installed in the reservoir in the area where storm water runoff from Interstate 684 and the County Airport enters the reservoir in an effort to protect the raw water quality of the intake.

In an action brought by NYSDOH pursuant to section 12 of the Public Health Law, the State Supreme Court for Westchester issued an Order, entered on January 23, 2002, that granted NYSDOH's motion for summary judgment, holding that WJWW violated the State Sanitary Code by failing to construct and operate a water filtration plant. The State Supreme Court's Order was affirmed on appeal in 2003. Upon remand, on June 9, 2004, the Supreme Court granted a permanent injunction requiring WJWW to construct the filtration plant (Judgment and Order of New York State Supreme Court Index No. 13364-99, Justice Louis A. Barone). The permanent injunction was upheld on appeal in 2005. It remains in effect today.

To comply with the injunction, WJWW prepared to proceed with construction of a membrane filtration plant. The plant was proposed to be located on a 13.4-acre parcel of property it owned in the Town of Harrison adjacent to the County Airport. The project was identified as a Type II

action under the Type II category that is today codified at 6 N.Y.C.R.R. § 617.5(c)(35) ("a particular course of action specifically required to be undertaken pursuant to a judgment or order"). WJWW determined that it would submit the site plan for approval and follow the Town/Village of Harrison Planning Board process. Applications for local site plan and special exception use permits were submitted to the Planning Board, which issued a negative declaration under SEQRA and granted certain approvals on June 21, 2005. The final design of WJWW's original water treatment plant was completed and approved by NYSDOH and the County Department of Health in 2006.

As a result of lawsuits brought on by a third party challenging different permits and approvals for the facility, the Planning Board rescinded its prior approvals and, notwithstanding the prior negative declaration, issued a positive declaration on June 11, 2007. In accordance with a scope determined by the Planning Board, WJWW proceeded to prepare a DEIS, which the Planning Board certified as complete on September 25, 2007. A public hearing was conducted on November 15, 2007, and WJWW prepared and submitted a draft FEIS in July 2008.

As part of the EIS process, WJWW explored alternatives to filtration including regional water treatment and conveyance options. After the FEIS was issued, there was significant interest among the Planning Board and other project stakeholders in a County-lead regional water treatment and conveyance alternative. These options were further evaluated by WJWW, but ultimately, the regional water utilities pursued treatment options that did not provide any option for WJWW to obtain treated water. With regional water treatment and conveyance options no longer available, WJWW then investigated the viability of another alternative to filtration of Rye Lake water consisting of construction of a pipeline for conveyance of treated water directly from New York City's Shaft 20 in Yonkers. In 2016, the alternative was ultimately rejected due to its exorbitant cost at $175 million and the identified potential impacts.

During this time period, USEPA adopted on January 4, 2006 a Stage 2 Disinfectants and Disinfection Byproducts (DBPs) Rule to provide increased public health protection against the potential risks associated with these compounds. DBPs are formed when natural organic matter in the raw water source interact with disinfectants such as chlorine. Stage 2 DBP byproduct chemicals include haloacetic acids and trihalomethanes. Because WJWW serves between 50,000 to 99,999 people, compliance with these new provisions is mandatory. Starting October 1, 2012, WJWW was required to monitor the maximum contaminant levels (MCL) for total trihalomethanes (TTHM) and haloacetic acids (HAA5). The MCLs for TTHM and HAA5 are 0.080 milligram per liter (mg/L) and 0.060 mg/L, respectively, on a Locational Running Annual Average (LRAA) basis. The results submitted for the first, second, and third quarters of 2019 exceeded these MCLs.

On March 28, 2019, WJWW received a USEPA Administrative Order (AO) to submit a Corrective Action Plan (CAP) outlining provisions to be taken to achieve compliance with the MCLs. On November 26, 2019, the EPA issued a superseding Administrative Order (Index No. SDWA-02-2020-8001) which now, in addition to the Corrective Action Plan for the violation of the DBPs Rule, included an obligation to commence design of the proposed Rye Lake Filtration Plant and

begin the SEQRA process by January 31, 2020, with the Filtration Plan to be operational by October 15, 2024.

Proposed Action

To comply with the USEPA Administrative Order and maintain the health and safety of its water customers, WJWW proposes to construct and operate a 30-MGD Dissolved Air Flotation/Filtration (DAFF) water filtration plant ("filtration plant" or "plant") for its nearby Rye Lake (Kensico Reservoir) water source. The filtration plant would include enhanced coagulation to would remove disinfection byproduct precursors to TTHM and HAA5, which would give WJWW a greater ability to routinely comply with the MCLs for TTHM and HAA5 as required by the Stage 2 Disinfectants and Disinfection Byproducts Rule.

The proposed plant would have the capacity to meet the maximum day water supply demand of the entire WJWW water system. The project would include the construction of a filtration facility, driveway, parking lot, utilities installation for water and sewer, and stormwater management features on a 13.4-acre project site. The sewer line for the project would tie into a County trunk line on Westchester County Airport property pursuant to an easement that would be granted by the County. As proposed, the filtration plant will be designed to treat water pumped from the RLPS and to supply finished water to the Purchase Street Storage Tanks. The proposed location for the filtration plant is on a portion of property currently owned by Westchester County and managed by the Westchester County Airport and accessed from Purchase Street (Figure 1: Site Location).

Construction of the plant would require relocation of the existing Airport secondary fence line separating the site and Westchester County Airport. The facility building would be less than one acre. Proposed impervious features, including a driveway, parking lot, walkways, the facility itself and supporting utilities and ancillary facilities, would total approximately 2.4 acres.

The proposed filtration plant on land now owned by the County would require the acquisition of 13.4 acres of the Westchester County Airport property from the County. The County has advised WJWW that the best course of action would be a proposed equal land swap to result in no net loss of airport property. The 13.4 acre parcel of land for the filtration plant would be apportioned from the County Airport property and deeded to WJWW in exchange for WJWW deeding a contiguous 13.4 acre parcel in its ownership to the County for incorporation into the airport property.

Together, this work constitutes the Proposed Action.

Section B. Government Approvals, Funding, or Sponsorship (a-h).

TABLE 1: PERMITS & APPROVALS	
Government Entity / Agency	**Approval(s) Required**
USEPA	Compliance with Administrative Order SDWA-02-2020-8001
USEPA	Water Infrastructure Finance and Innovation Act (WIFIA) Program
United States Army Corp on Engineers (USACE)	Wetlands / Section 404 Clean Water Act
United States Fish and Wildlife Service (USFWS)	Section 7 Consultation
Federal Aviation Administration (FAA)	Notice of Proposed Construction or Alteration (FAA Form 7460-1)
NYSDEC	State Pollution Discharge Elimination System (SPDES) General Permit for Construction Activity
NYSDEC	SPDES Industrial Permit (NY-2C) for Process Emergency Overflow
NYSDEC	401 Water Quality Certification
NYSDEC	Freshwater Wetlands
Environmental Facilities Corporation / NYSDOH	Drinking Water State Revolving Fund Program
Environmental Facilities Corporation / NYSDOH	Water Infrastructure Improvement Act (WIIA) Grant Program
NYSDOH	Compliance with Administrative Order SDWA-02-2020-8001
NYSDOH	Approval of Completed Works
New York State Office of Parks and Historic Preservation (NYSOPRHP)	State Historic Preservation Office (SHPO) Consultation
New York City Department of Environmental Protection (NYCDEP)	Stormwater Pollution Prevention Plan (SWPPP) review and approval
NYCDEP	Revocable Land Use Permit
Westchester County Department of Health	Approval of Treatment Process and Plant Design
Westchester County Department of Health (WCDOH)	Compliance with Administrative Order SDWA-02-2020-8001
WCDOH	Approval of Completed Works
Westchester County Board of Legislators	Approvals for obtaining property rights and sewer easements
Westchester Department of Public Works	Building Approvals and Road Permits
Westchester County Department of Environmental Facilities	Approval to Connect to County Sewer System
Westchester County Planning Board	Administrative Review
Town of Mamaroneck Town Board	Approval of Funding for Project
Village of Mamaroneck Town Board	Approval of Funding for Project
Town/Village of Harrison, Town Board	Approval of Funding for Project
Town/Village of Harrison Planning Board	Freshwater Wetlands Permit
Town/Village of Harrison Planning Board	Site Plan Approval
Town/Village of Harrison Town Board	Special Exception Use Permit
Town/Village of Harrison Architectural Board of Review	Architecture Approval

NPV

Figure 1: Site Location

Sources: Westchester County GIS 2020;
Scale: 1 inch equals 400 feet

Westchester Joint Water Works Water Filtration Plant

NPV

Figure 2: Proposed Project Site and NYSDEC Wetlands

Sources: NYS DEC 2020; Westchester County GIS 2020;
Scale: 1 inch equals 400 feet

Westchester Joint Water Works Water Filtration Plant

TABLE 1: PERMITS & APPROVALS	
Government Entity / Agency	**Approval(s) Required**
Town/Village of Harrison Building Department	Building Permit
Town/Village of Harrison Building Department	Tree Removal Permit
Town/Village of Harrison Engineer	Land Disturbance Approval
Town/Village of Harrison Engineer	Sewer Hookup
Note: The approvals listed from the Town/Village of Harrison and its Planning Board are without prejudice to any contention that the proposed Filtration Plant is exempt from obtaining such approvals under *Village of Munsey Park v. Manhasset-Lakeville Water District*, 150 A.D.3d 969 (2d Dep't 2017), and similar cases.	

Section D. Project Details

D.2.d.i Total Anticipated liquid waste generation per day: 1,680 – 2,040 gallons per day. This estimate of liquid waste generated per day includes both sanitary wastewater (1,440 gpd) and process wastewater (240 to 660 gpd) under typical conditions assuming sludge thickening. Alternatively, a potential sewer connection is being evaluated for discharge of liquid process waste to the wastewater system; the preliminary range of flow of process sludge waste is 12,000 to 35,000 gallons per day.

D.2.r.ii. Describe any solid waste(s) to be generated during operation of the facility: The proposed action would generate approximately 0.22 tons per month of solid wastes. This includes solid waste generated by employees and treatment by-product solids from process wastewater. As noted above, alternately, a potential sewer connection is being evaluated for discharge of liquid process waste to the wastewater system. If this alternate process wastewater discharge method is selected, there would be a reduction of solid waste generated during operation of the proposed project.

Section E. Site and Setting of Proposed Action

E.3.g. Have additional archaeological or historic site(s) or resources been identified on the project site? No.

E.3.g.i. Describe possible resource(s): A map-documented mid-nineteenth-century dwelling did exist just south of the project site until 1940s. The house and likely the stone property fence were attributed to the Sutton family. Given the low artifact density, disturbed deposits, age of artifacts recovered, and lack of buried cultural features, it was recommended that the recovered artifact assemblage does not represent a potentially significant archaeological resource.

E.3.g.ii. Basis for identification: A Phase I Archaeological Survey was conducted in December 2019. A SHPO consultation conducted in December 2019 determined that determined that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places would be impacted by the proposed project. In addition, a chain of title search would be conducted to better understand the historic site ownership and prior uses.

Westchester Joint Water Works

Rye Lake Water Filtration Plant

WJWW Board Meeting
January 12, 2021

Rye Lake Water Filtration Plant

WESTCHESTER JOINT WATER WORKS

Treatment Selection

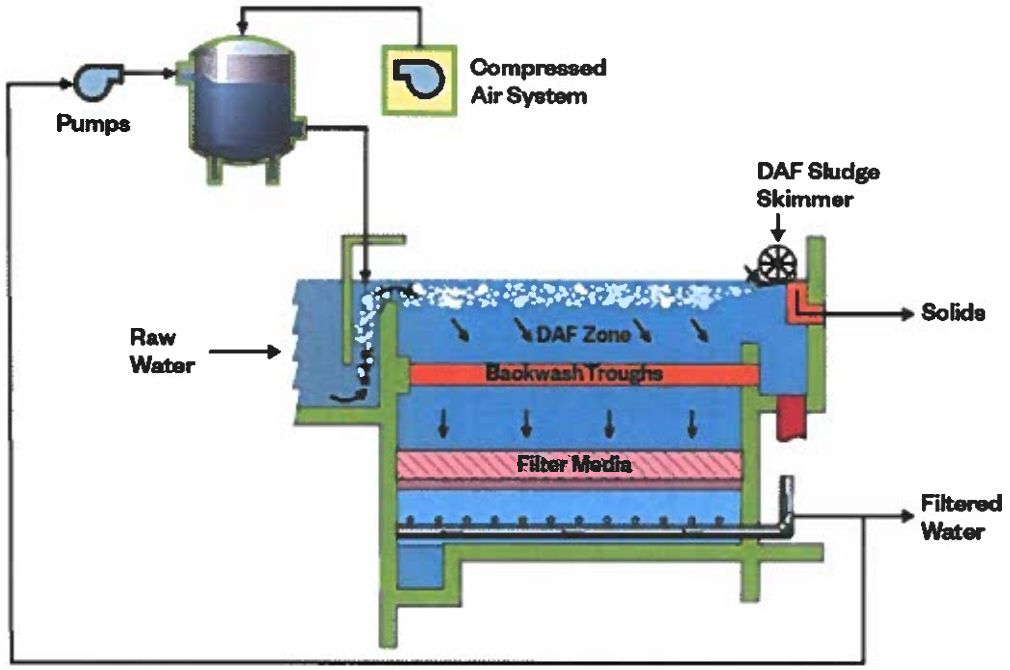
- Dissolved Air Flotation/Filtration (DAFF) treatment
- Used widely throughout the Northeast on similar water supplies

Capacity

- 30 million gallons per day

Building Size

- Approximately 1 acre



Filtration Facility Background

WESTCHESTER JOINT WATER WORKS

United States Environmental Protection Agency (USEPA) Surface Water Treatment Rule (SWTR) Filtration Requirement Compliance History

1999 — Injunction from NYS Attorney General to require WJWW to construct a water filtration facility for Rye Lake water source

2004 — Court Order from NYS Supreme Court to construct a water filtration plant by December 2008

2004 — WJWW working with the NYSDOH in exploring compliance alternatives to filtration

2009 — WJWW met with WCA regarding potential siting for a filtration facility

2009 — WJWW committed to construction of a filtration plant and working with Westchester County in exploring site viability at WCA

2016 — **July 11, 2019:** **USEPA Administrative Order (AO) requiring WJWW to submit plans within 30 days to address longstanding violation of the SWTR filtration requirement**

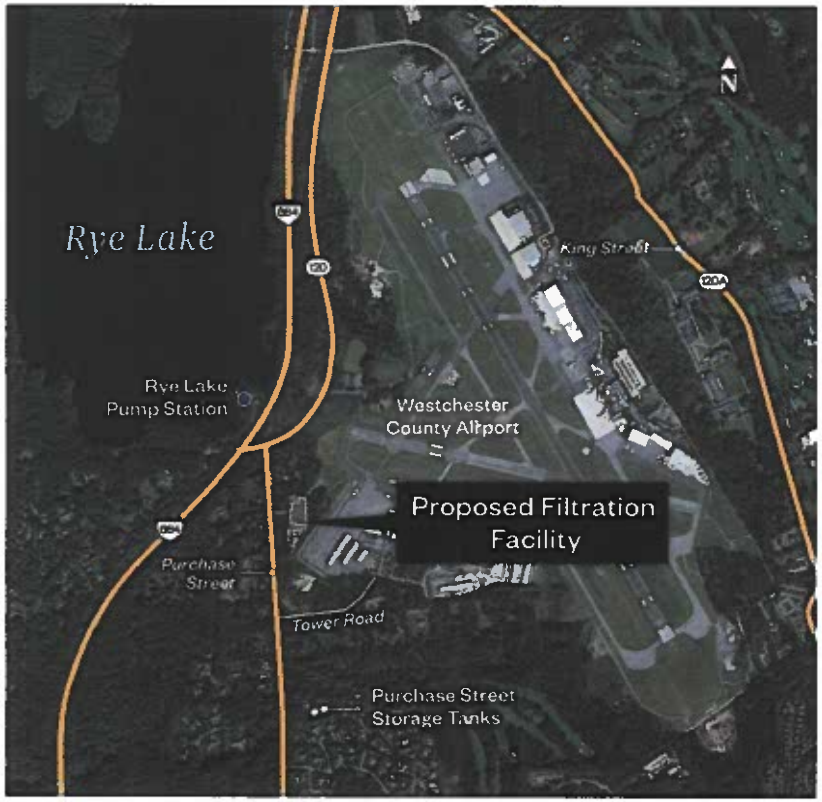
2017 — **November 26, 2019:** **USEPA Administrative Order (AO) requiring WJWW to commence design of the proposed Rye Lake Filtration Facility and begin SEQR process by Jan. 31, 2020 with the Filtration Facility operational by October 15, 2024**

2018

2019

Proposed Water Filtration Plant Site Plan

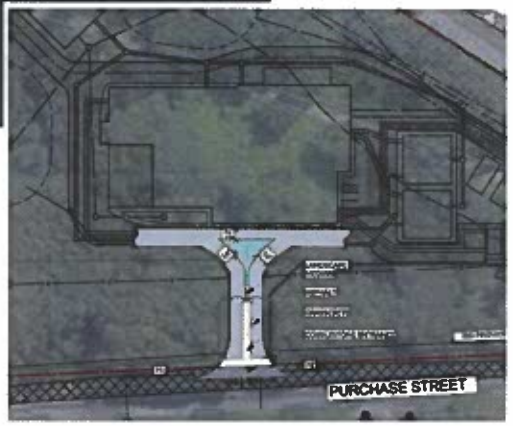
WESTCHESTER JOINT WATER WORKS



Site Design Features

Purchase Street Entry: Preliminary Concept Images

- Create a site entry signature resonating with residential fabric
- Mitigate viewsheds of building beyond via landscape baffles
- Accommodate technical requirements of various vehicle types
- Maintain a secure and monitored primary entrance



Purchase Street Entry:
Preliminary Concept Plan

Initial Architectural Massing Studies

WESTCHESTER JOINT WATER WORKS

Previous Explorations

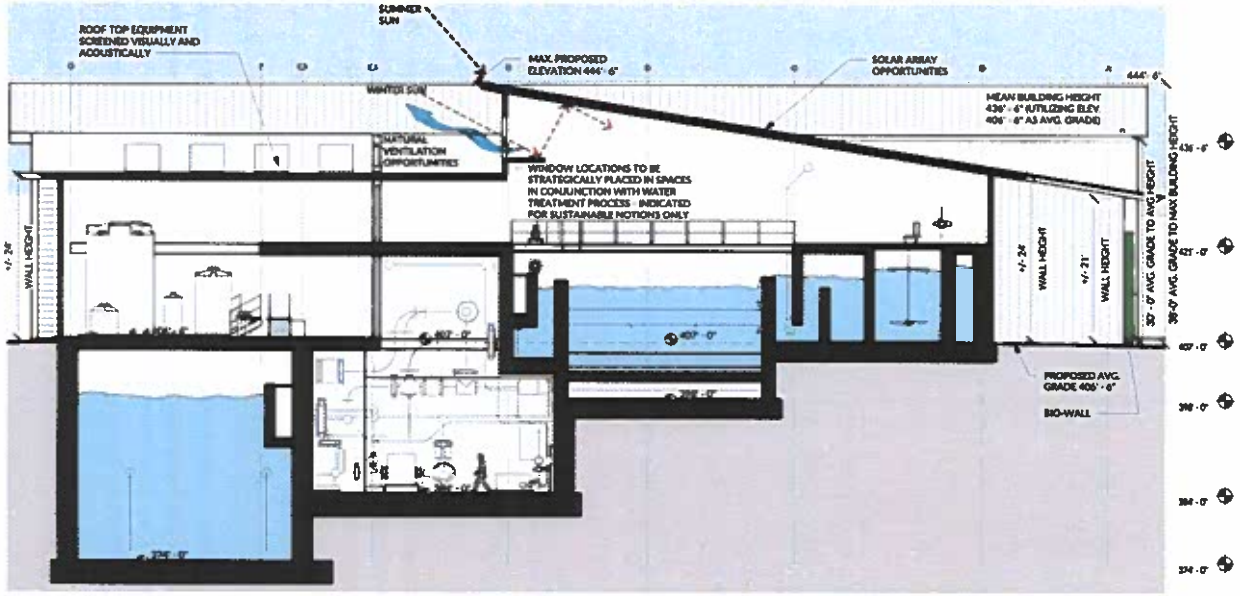
Selected Transverse Gable Massing

Architectural Design

Selected Transverse Gable Massing

- Introduce rural forms creating scalable building elements and features
- Introduce practical roof form areas supporting sustainable means and methods
- Create a hierarchy of roof forms to visually and acoustically screen rooftop equipment
- Introduce a range of tactile exterior building elements and finishes

Architectural Design



Preliminary conceptual building section

- Diverse set of building forms to mitigate sense of building volume and scale
- Introduce practical roof form areas supporting sustainable means and methods (Photovoltaic and use of natural daylighting)
- Create a hierarchy of roof forms to visually and acoustically screen rooftop equipment
- Vegetative feature opportunities as building design elements

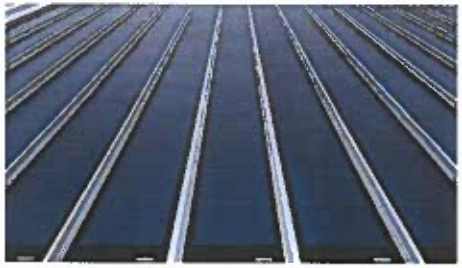
Architectural Materials

Exterior siding, roofing and cladding

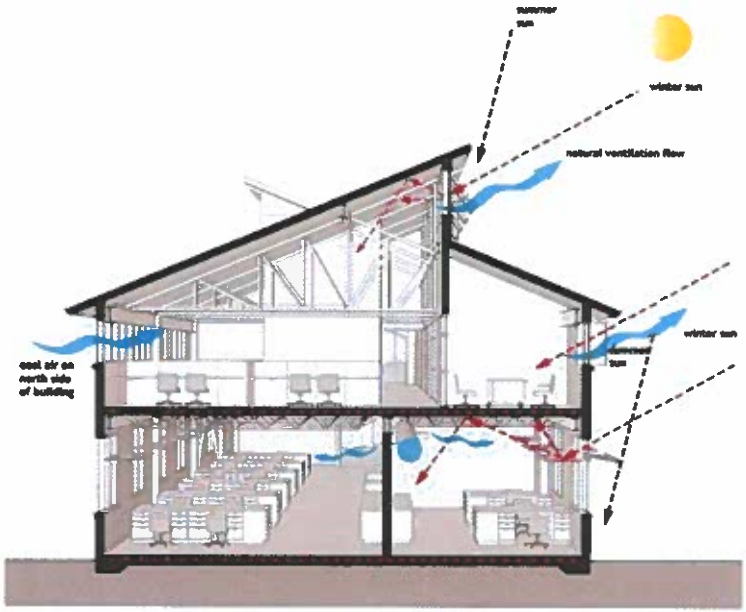
WESTCHESTER JOINT WATER WORKS

Current building material studies explore a range of solutions to embrace tactile surfaces lending to scale and rural architecture introduced as fresh design notions.

Sustainable Means, Methods & Features



Photovoltaic PV

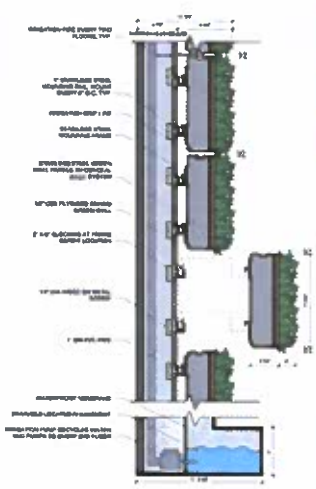


Use of Daylighting

WESTCHESTER JOINT WATER WORKS

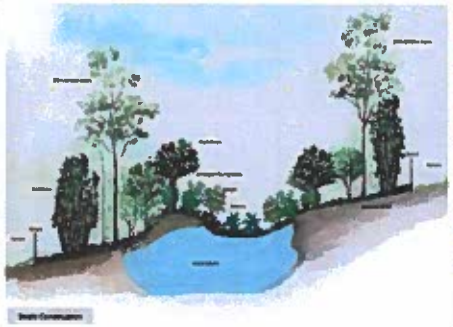
Current building massing explores a range of solutions to provide opportunities for significant daylight gathering and large scale solar arrays

Sustainable Means, Methods & Features



'Live Wall" or Bio-wall

Site Screening



Site Bioswales

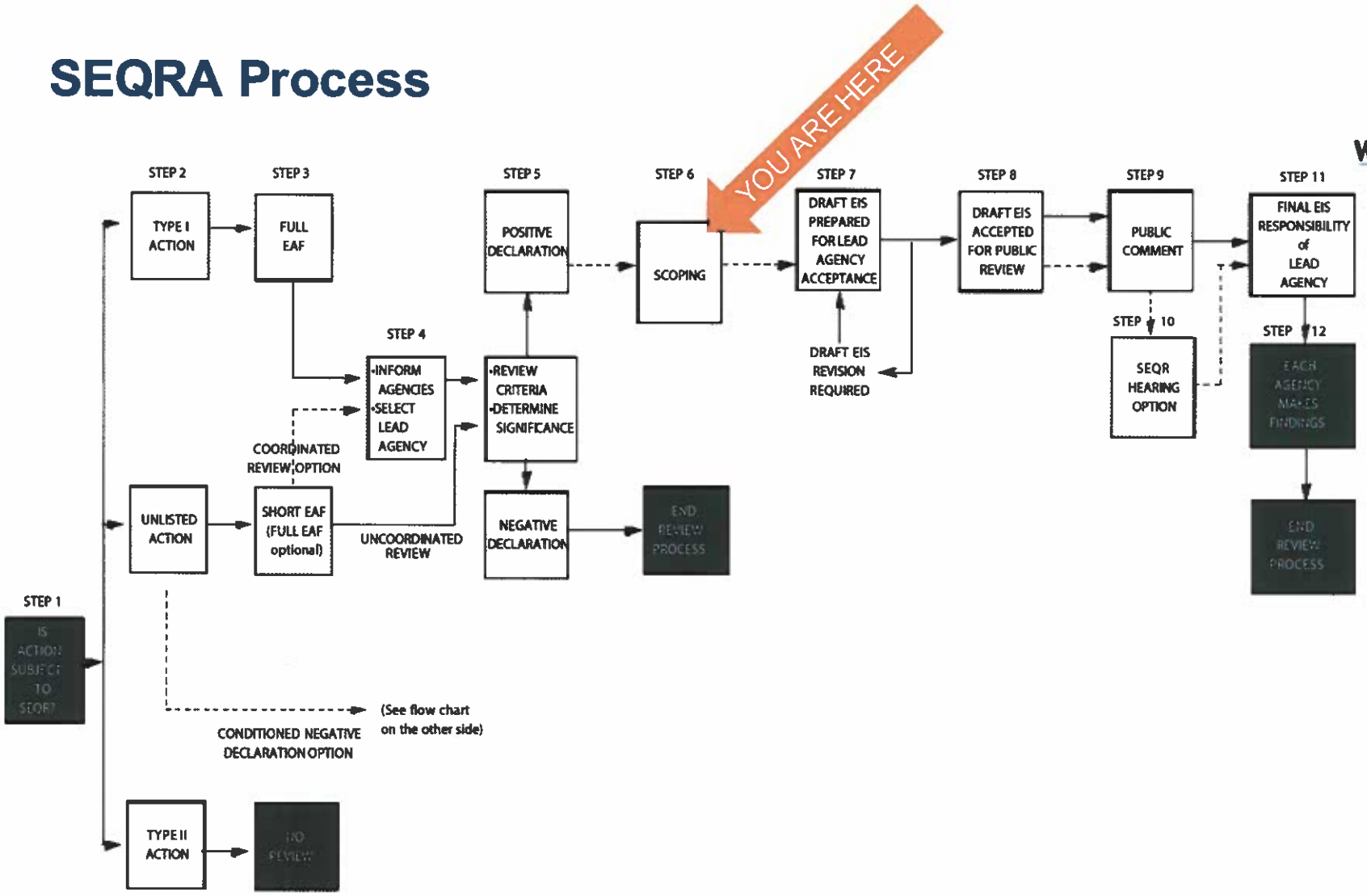
Current building material studies explore a range of solutions to integrate vegetative features both as building and site elements. The vegetative or 'live green' opportunities can be utilized as performance and screening components.

Approvals & Permits

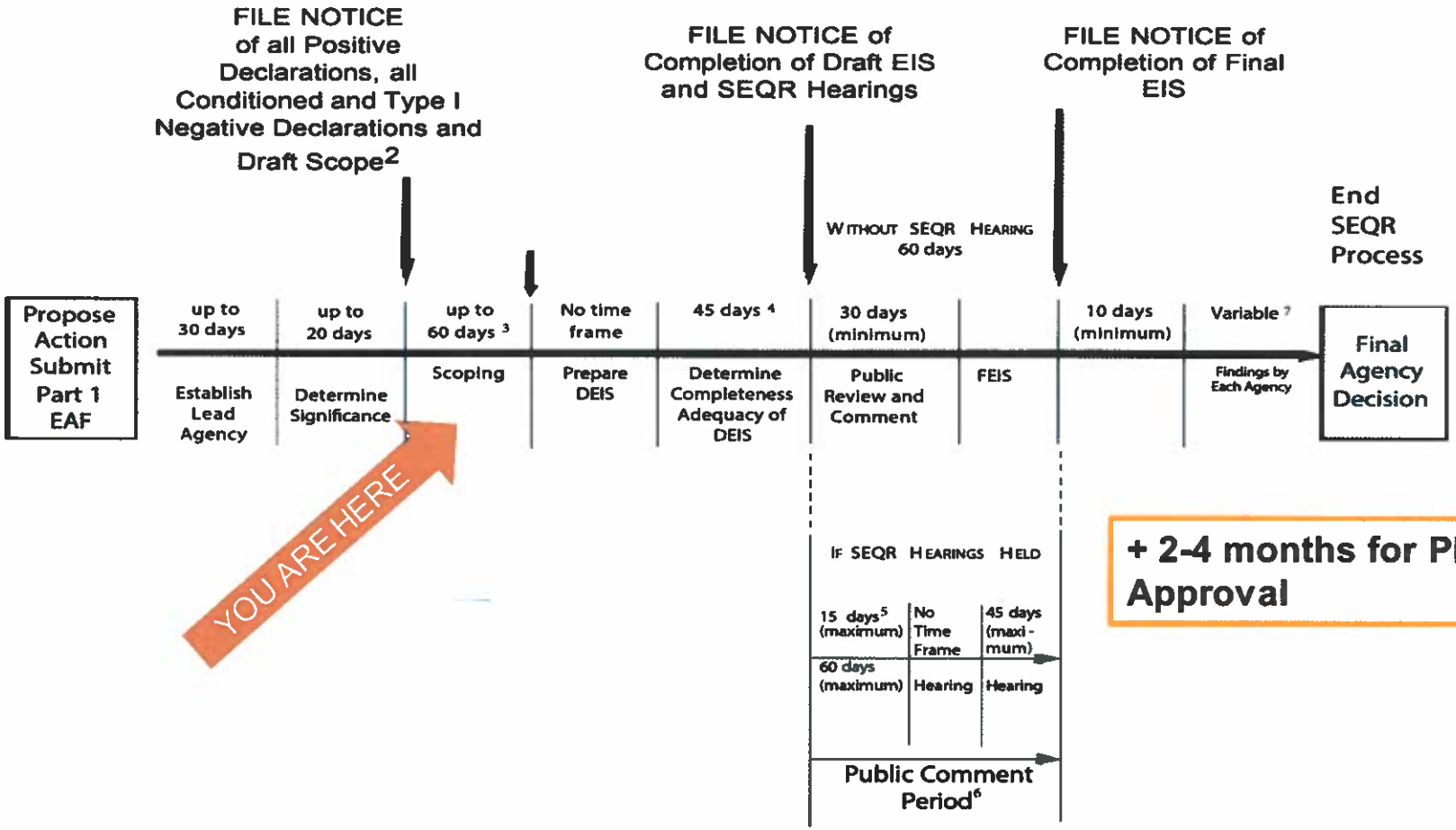
Agency	Permit/Approval
US EPA	• Compliance with Administrative Order • WIFIA Program
USACOE	• Wetlands / Section 404 Clean Water Act
US FWS	• Endangered Species Consultation
FAA	• Notice of Proposed Construction or Alteration
NYS DEC	• SPDES General and Industrial • Water Quality Certification
Enviro Facilities Corp / NYSDOH	• Drinking Water State Fund Program • Water Infrastructure Improvement Act Grant
NYS DOH	• Compliance with Court Order • Approval of Treatment Process and Plant Design & Completed Works
NYS HPO	• Historic Consultation
NYC DEP	• Revocable Land Use Permit
Westchester County DOH	• Approval of Completed Work

Agency	Permit/Approval
Westchester County Board of Legislators	• Approvals for obtaining property rights and sewer easements
Westchester DPW	• Building Approvals and Road Permits
County Department of Environmental Facilities	• Sewer Connection Approval
Westchester County Planning Board	• Administrative Review
Town & Village of Mamaroneck, Town/Village of Harrison Town Boards	• Funding Approval
Town/Village of Harrison Planning Board	• Freshwater Wetlands Permit • Site Plan Approval
Town/Village of Harrison Town Board	• Special Exception Use Permit
Town/Village of Harrison Architectural Review Board	• Architecture Approval
Town/Village of Harrison Building Department	• Building Permit • Tree Removal Permit
Town/Village of Harrison Building Department	• Land Disturbance Approval • Sewer Hookup

SEQRA Process



SEQRA Timeline



+ 2-4 months for Planning Board Approval

SEQR Technical Team

Hazen

NEXUS creative

WESTCHESTER JOINT WATER WORKS

NELSON POPE VOORHIS
environmental • land use • planning

B. LAING ASSOCIATES

Kimley»Horn

EIS Scope- Analyses

Existing Conditions, Potential Impacts & Mitigation Measures:

- Land Use, Zoning & Public Policy,
- Community Character & Visual Impacts
- Fiscal & Economic Impacts
- Community Services
- Utilities
- Stormwater
- Geology, Soils & Topography
- Vegetation & Wildlife
- Wetlands, Waterbodies, Watercourses & Floodplains
- Archeological & Historical Resources
- Traffic & Transportation
- Noise
- Air
- Public Health
- Construction

EIS Scope- Alternatives

WESTCHESTER JOINT WATER WORKS

Alternative #1

- No Action- Discusses the scenario where the status of existing land use remains unchanged

Alternative #2

- Alternative Site Plan- Discuss the option of building the plant on the WJWW property which is part of the land swap in the proposed action

Alternative #3

- Alternative Filtration Technology - Discuss the potential of meeting the EPA Administrative Order, Judgment and Order of New York State Supreme Court, and current federal drinking water standards through another technology other than what is proposed in the Proposed Action

Alternative #4

- Alternative Façade Treatments