

WESTCHESTER JOINT WATER WORKS

Pre-Meeting Packet

For

Tuesday, January 25, 2022 at 3:30 p.m.

Board Meeting

-Revised-

NOTICE OF MEETING

-REVISED-

WESTCHESTER JOINT WATER WORKS BOARD OF TRUSTEES MEETING

A virtual only Westchester Joint Water Works Board of Trustees Meeting has been scheduled for:

DATE: January 25, 2022

DAY: Tuesday

TIME: 3:30 p.m.

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

In light of the ongoing statewide health emergency and in keeping with WJWW's goal of protecting public health and safety, the Board of Trustees meeting will be conducted **[100% virtually] [using a hybrid format using virtual technology]** which will comply with Chapt.147 of the Laws of 2021, as extended by Chapter 1 of the Laws of 2022. As a result, the public will not have the opportunity to attend the meeting in-person; instead, all interested parties may observe or listen using a web-based videoconferencing service by: (i) typing "join.zoom.us" on your web browser and entering the Meeting ID 929 1306 4695 and Passcode 002934; or (ii) using the direct link <https://zoom.us/j/92913064695?pwd=eVV5VGRzMFRQwRGx6MnZQazVVaklJdz09>; or (iii) dialing the one-tap phone number 929-205-6099.

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

WESTCHESTER JOINT WATER WORKS
1625 Mamaroneck Avenue, Mamaroneck, NY 10543

BOARD OF TRUSTEES MEETING AGENDA

-REVISED-

Tuesday, January 25, 2022 at 3:30 p.m.

In light of the ongoing statewide health emergency and in keeping with WJWW's goal of protecting public health and safety, the Board of Trustees meeting will be conducted **[100% virtually] [using a hybrid format using virtual technology]** which will comply with Chapt.147 of the Laws of 2021, as extended by Chapter 1 of the Laws of 2022. As a result, the public will not have the opportunity to attend the meeting in-person; instead, all interested parties may observe or listen using a web-based videoconferencing service by: (i) typing "join.zoom.us" on your web browser and entering the Meeting ID 929 1306 4695 and Passcode 002934; or (ii) using the direct link <https://zoom.us/j/92913064695?pwd=eVV5VGRzMFRwRGx6MnZQazVValJdZ09>; or (iii) dialing the one-tap phone number 929-205-6099.

I. INTRODUCTIONS

II. APPROVAL OF MINUTES

- January 11, 2022 Board Meeting

III. FINANCIAL REPORTS AND APPROVALS

- Bank Balances
- Approval of Claims
- General Administration

IV. OLD BUSINESS

- Rye Lake Filtration Plant
 - o SEQR Update
 - o Approval of Supplemental Noise Analysis Proposal – B. Laing Associates, \$2,420
- Project, System Maintenance and Operational Updates

V. MANAGER'S REPORT

VI. NEW BUSINESS

- o Approval of Operations Technical Assistance & SCADA Service Contract - Woodard & Curran, \$95,000
- o Approval of Westchester Avenue Suez Connection Control Valve SCADA Proposal - Woodard & Curran, \$50,700
- o Approval of Additional Engineering Services UV Disinfection Facility at Rye Lake Proposal – H2M, \$171,205

VII. CONSIDERATION OF EXECUTIVE SESSION

VIII. DATE OF NEXT MEETING - TBD

WESTCHESTER JOINT WATER WORKS
Board of Trustees Meeting
Tuesday, January 11, 2022 at 3:30 p.m.

Present:

- Trustees: Thomas Murphy (in-person), Richard Dionisio (via videoconferencing), Jaine Elkind Eney (via videoconferencing),
- Lori Lee Dickson, General Counsel (in-person)
- Paul Kutzy, Manager (via videoconferencing)
- David Birdsall, Business Director (via videoconferencing)
- Frank Arcara, General Superintendent (via videoconferencing)
- Jacqueline Briggs, Assistant Civil Engineer (via videoconferencing)
- Zach Wasp, Assistant Civil Engineer (via videoconferencing)

Introductions

WJWW Board members and WJWW staff introduced themselves by sharing their names and titles. Trustee Murphy also took a moment to welcome Trustee Elkind Eney and Trustee Dionisio to the Board.

Approval of Minutes

Trustee Dionisio made a motion to approve the minutes of the December 28, 2021 Board meeting. Trustee Elkind Eney seconded the motion, all in favor:

Trustee Murphy	“aye”
Trustee Dionisio	“aye”
Trustee Elkind Eney	“aye”

Financial Reports and Approvals

David Birdsall, Business Director, reviewed bank balances and presented claims to the Board highlighting significant items, among them: Water Purchases from NYC (NYC Water Board), Payroll Costs, SCADA System Maintenance & Upgrades (Woodard & Curran), and the Infrastructure Tax (City of New Rochelle).

Approval of Claims: Trustee Elkind Eney made a motion to approve 95 claims totaling \$869,822. Trustee Dionisio seconded the motion, all in favor:

Trustee Murphy	“aye”
Trustee Dionisio	“aye”
Trustee Elkind Eney	“aye”

General Administration:

- Election of Officers: The Trustees were approved, by unanimous elections, to the following Board positions:

Trustee Elkind Eney made a motion to appoint Trustee Murphy to the position of Chairperson, WJWW Board of Trustees. Trustee Dionisio seconded the motion, all in favor:

Trustee Murphy	"aye"
Trustee Dionisio	"aye"
Trustee Elkind Eney	"aye"

Trustee Murphy made a motion to appoint Trustee Dionisio to the position of Vice Chairperson, WJWW Board of Trustees. Trustee Elkind Eney seconded the motion, all in favor:

Trustee Murphy	"aye"
Trustee Dionisio	"aye"
Trustee Elkind Eney	"aye"

Trustee Murphy made a motion to appoint Trustee Elkind Eney to the position of Clerk/Treasurer, WJWW Board of Trustees. Trustee Dionisio seconded the motion, all in favor:

Trustee Murphy	"aye"
Trustee Dionisio	"aye"
Trustee Elkind Eney	"aye"

- Approval of 2022 Board of Trustees Meeting Calendar: Trustee Elkind Eney made a motion to approve the WJWW Board of Trustees Meeting Calendar for 2022 with meetings scheduled to take place on the 2nd and 4th Tuesdays of each month. Any changes to the calendar will be noticed in advance of the affected meetings and the calendar as adopted, in its entirety, will be provided to the Reporter Dispatch for publication. Trustee Dionisio seconded the motion, all in favor:

Trustee Murphy	"aye"
Trustee Dionisio	"aye"
Trustee Elkind Eney	"aye"

- Tax Levy Transfer / TOM: Trustee Elkind Eney made a motion to approve a resolution for the Tax Levy Transfer to the Town of Mamaroneck in the total amount of \$46,300 (including transfer fees of \$8,800) representing Town of Mamaroneck water customer accounts over 30 or more days in arrears. David Birdsall, the Business Director, described the level of the Tax Levy Transfer as consistent with prior years. Trustee Dionisio seconded the motion, all in favor:

Trustee Murphy	"aye"
Trustee Dionisio	"aye"
Trustee Elkind Eney	"aye"

- WJWW Garage / Hurricane Ida: David Birdsall, the Business Director, provided a status report on the damage that was sustained to a WJWW vehicle, some equipment and the WJWW garage as a result of the remnants of Hurricane Ida. Insurance claims have been filed for the vehicle which was destroyed and for leak detection equipment and other items that were damaged as a result of the flood waters. Cracks have appeared in the floor of the WJWW maintenance garage and engineering assessments will be required by both the insurance company and by an engineer on behalf of WJWW. In advance of these assessments, debris must be cleared out of the garage and issues related to the building's basement need to be addressed. David Birdsall, the Business Director,

explained that this work is proceeding and will be covered under the Emergency/Priority Services Contract. FEMA has been notified about the issues related to the garage, but a claim has not yet been filed because the insurance company must do their assessment first and because a FEMA representative has not been assigned to the case yet.

- The Business Director reviewed 2022 Water Treatment Chemicals Bid results:

Bid Item: 3" Calcium Hypochlorite Tablets (Accutabs)

Rank	Bidder	Bid
1	Coyne Chemical	\$3.187 per pound

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

Trustee Murphy	"aye"
Trustee Dionisio	"aye"
Trustee Elkind Eney	"aye"

Bid Item: Liquid Chlorine

Rank	Bidder	Bid
1	JCI Jones Chemical	\$2.1666 per pound

Trustee Elkind Eney made a motion to approve the Liquid Chlorine Bid result as presented. Trustee Dionisio seconded the motion, all in favor:

Trustee Murphy	"aye"
Trustee Dionisio	"aye"
Trustee Elkind Eney	"aye"

Bid Item: 50% Caustic Solution (Sodium Hydroxide)

Rank	Bidder	Bid
1	JCI Jones Chemical	\$3.48 per gallon
2	Kuehne Chemical Co., Inc.	\$4.973 per gallon

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

Trustee Murphy	"aye"
Trustee Dionisio	"aye"
Trustee Elkind Eney	"aye"

Bid Item: Blended Orthophosphate

Rank	Bidder	Bid
1	Carus Corp.	\$1.99 per pound
2	Coyne Chemical	\$2.0476 per pound
3	Shannon Chemical	\$2.3316 per pound

Trustee Dionisio made a motion to approve the Blended Orthophosphate Bid results as presented, awarding the bid to the lowest bidder (Rank 1). Trustee Elkind Eney seconded the motion, all in favor:

Trustee Murphy	“aye”
Trustee Dionisio	“aye”
Trustee Elkind Eney	“aye”

Old Business

- Rye Lake Filtration Plant:
 - SEQR Update: Lori Lee Dickson, General Counsel, explained that there are no substantive updates at this time. The consultants are continuing their work, collecting data and performing analyses. The DEIS is expected to be ready for the Board’s review in the first quarter of this year.
- Project Updates: Frank Arcara, General Superintendent, explained that in addition to discussing project updates, he will also be presenting system maintenance and operational updates. He shared the following updates:
 - UV Facility / Rye Lake: Calgon, the manufacturer of the UV treatment units, installed the UV light bulbs in the treatment units and the facility is now running and treating for cryptosporidium. However, final approvals are needed from the NYS Department of Health and the Westchester County Department of Health.
 - ELQ, our Emergency/Priority Services Contractor, performed 4 service line repairs, 3 water main repairs and one hydrant replacement.
 - The Service Department had 128 service calls.
 - The Operations Department took 63 samples, all coming back in normal range.

Manager’s Report

Paul Kutzy, Manager, welcomed Trustee Dionisio and Trustee Elkind Eney to the Board and shared that he looks forward to working with them both going forward.

New Business

No New Business to discuss at this time.

Executive Session

No Executive Session was needed at this time.

Date of Next Meeting

The next Board of Trustees meeting is scheduled for Tuesday, January 25, 2022 at 3:30 p.m.

With no further business to discuss, Trustee Elkind Eney made a motion to adjourn the meeting. Trustee Dionisio seconded the motion:

Trustee Murphy	“aye”
Trustee Dionisio	“aye”
Trustee Elkind Eney	“aye”

The meeting adjourned at 4:08 p.m.

DRAFT

[illegible][illegible]

**WESTCHESTER JOINT WATER WORKS
GENERAL FUND ACCOUNTS
TUESDAY, JANUARY 25, 2022**

CASH BALANCE IN STERLING NATIONAL BANK:

GENERAL FUND	1/1/2022	\$	4,644,500.58
MONEY MARKET	1/1/2022	\$	1,207,934.93
TOTAL:		\$	5,852,435.51

NET ACTIVITY: FROM 1/1/2022 TO 1/25/2022
STERLING NATIONAL BANK

\$ (667,932.05)
\$ (667,932.05)

CASH AVAILABLE TO PAY CLAIMS:

GENERAL FUND:	1/25/2022	\$	3,976,459.59
MONEY MARKET	1/25/2022	\$	1,208,043.87
TOTAL:		\$	5,184,503.46

LESS: UNAPPROVED CLAIMS: \$ (1,069,548.26)
OUTSTANDING CHECKS PRIOR PERIODS: \$ (657,125.21)

CASH BALANCE AFTER PAYING CLAIMS: \$ 3,457,829.99

CLAIMS PAYABLE:

<u>DATE</u>	<u>FROM</u>	<u>TO</u>	
13-Jan-22	2201067	2201108	\$ 125,451.40
Check Nos.	63903	63944	
19-Jan-22	2201109	220148	\$ 773,197.04
Check Nos.	63945	63984	
20-Jan-22	2201149	2201160	\$ 170,899.82
Check Nos.	63985	63996	
<u>TOTAL CLAIMS PAYABLE:</u>			\$ 1,069,548.26

PAYROLL CLAIMS

(ZERO BALANCE CHECKING ACCOUNT)

<u>DATE</u>	<u>FROM</u>	<u>TO</u>	
8-Jan-22	2201061	2201065	\$ 87,137.13
Check Nos.	2299	2299	
15-Jan-22	2201161	2201165	\$ 69,415.17
Check Nos.	2300	2300	

TOTAL PAYROLL CLAIMS: \$ 156,552.30

TOTAL ALL CLAIMS: \$ 1,226,100.56

Prepared by: _____ David Birdsall, Business Director

Submitted by: _____ David Birdsall, Business Director

Approved by: _____ Thomas Murphy, Chairperson
Board of Trustees

VB REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
002201109	ADP, INC.	144.85	2021 P/E 8/14/21 (1,568) MANAGEMENT REPORTS
002201067	ROBERT HALF	540.05	P/E 1/7/22 LINDSAY VIGODA PAYROLL
002201068	ROBERT HALF	852.28	P/E 1/7/22 PAYROLL TIFFANY NUNEZ/TEMP EMPL
002201110	ROBERT HALF	900.08	P/E 1/14/22 TEMP WORKER LINDSAY VIGODA
002201149	ROBERT HALF	1,147.30	P/E 1/14/22 TIFFANY NUNES TEMP EMPL
002201069	B & A AUTOMOTIVE INC	166.55	2021 12/28 20 FORD TRANSIT/OIL CHANGE, TIRES ROT
002201070	B & A AUTOMOTIVE INC	1,706.12	2021 12/17 11 FORD F-350 SD/BRAKES F&R; ROTORS, MIRR
002201071	B & A AUTOMOTIVE INC	1,767.48	2021 12/30 20 FORD F150/RFB4, TDF4, TIRES, ALIGNMENT
002201111	BEN ROMEO CO., INC.	500.00	2021 12/2/21 WOOD WEDGES/WATER MAINS
002201112	CABLEVISION LIGHTPATH,	1,424.63	JANUARY 22 INTERNET OFFICE
002201072	BRYAN CAVE	14,319.00	A1364 JOINT RYE LAKE FILTRATION FACILITY
002201113	CAPITOL SUPPLY CONSTR	8,725.00	2021 (4) 12" MJ BF VALVE
002201073	CARMEL WINWATER WORKS	25,240.30	2021 MEGALUGS, REDUCERS, ADAPTER, PIPE, TEE/INVENTOR
002201074	CARMEL WINWATER WORKS	4,600.00	2021 30" DI MJ PLUG SOLID, MJ GASKET & BOLT/INV
002201075	CARMEL WINWATER WORKS	4,780.00	2021 MEGALUG, DI MJ VARIOUS/INVENTORY
002201076	CARMEL WINWATER WORKS	4,290.00	2021 20X6 MJ TEE, 20 FOSTER ADP/INVENTORY
002201077	CARMEL WINWATER WORKS	2,700.00	2021 (2) 16 MJ DUAL PURPOSE SLV/INVENTORY
002201114	CARMEL WINWATER WORKS	480.00	2021 YELLOW RING, GASKETS/DISTRIBUTION
002201078	CO-COMMUNICATIONS, INC	3,710.00	A1364 JOINT RYE LAKE FILTRATION FACILITY
002201115	CITIBANK	1,236.52	2021 DECEMBER 21 DELUXE CHECKS, CHLORIN PARTS, CAS
002201116	CON EDISON -PRV DISTR	299.21	12/7/21-1/7/22 ELECTRICITY WESTCHESTER AVE PRV
002201079	COYNE CHEMICAL CO., IN	8,288.64	2021 (48) ACCUTABS /WEAVER ST PLANT
002201117	DAKOTA SUPPLY CORP	6,333.00	A1374 JOINT OSBORNE RD PRV /DECEMBER 2021
002201080	DICHTER LAW LLC	2,182.28	2021 JUNE 21-DECEMBER21 PROF SRV/NYC EXCESS RATE
002201081	EASTCOM ASSOCIATES INC	1,825.00	(1) LD-8 LEAK LOCATOR S/N
002201082	FEDERAL EXPRESS CORP.	35.41	2021 12/27 1 SHIPMENT BATCHING DEPT
002201083	FEDERAL EXPRESS CORP.	85.06	1/6/22 2 SHIPMENTS/BATCHING DEPT/DEPT OF HEALTH
002201084	FERGUSON ENTERPRISES,	13,800.00	2021 (30) 1 METER YOKE
002201150	FILINGERI ELECTRICAL	119,886.20	A1352 JOINT RYE LAKE UV FACILITY / 2021
002201085	GLOBAL MONTELLO GROUP	1,133.89	2021 (450) GALS OF DIESEL
002201118	GREATAMERICA FINANCIAL	206.22	JANUARY 2022 XEROX C8045 COPIER AGREEMENT
002201086	BRUCE & ANN GARLAND	43.22	CUST REF 212240003194/OVERPAYMENT AFTER FINAL BILL
002201087	HACH COMPANY	108.64	2021 CHEMICALS FOR PLANTS
002201119	HACH COMPANY	375.81	REAGENTS AND CHEMICALS FOR PLANTS
002201120	HACH COMPANY	755.50	2021 CHEMICALS FOR WEAVER ST PLANT
002201121	THE T/V OF HARRISON	450.00	ANNUAL PERMIT ALARM S-M RYE LAKE, PURCHASE ST, 830L
002201122	THE T/V OF HARRISON	33,075.00	A1374 OSBORNE RD PRV / DECEMBER 2021
002201088	HOME DEPOT	569.69	2021 DECEMBER BIL/SCREWDRIVER, TESTER, SUMP, CABLE
002201089	HUNTINGTON POWER	662.50	2021 RYE LAKE STATION UNIT 1 LABOR
002201123	JT ROSELLE	890.66	1374 OSBORN RD PRV/ELECTRICAL SUPPLIES
002201124	JT ROSELLE	876.85	A1373 JOINT PURCHASE ST BOOSTER PRV MODIFICATION
002201125	JT ROSELLE	70.88	A1373 JOINT PURCHASE ST BOOSTER STATION PRV MOD
002201126	JT ROSELLE	4,293.20	A1373 JOINT PURCHASE BOOSTER STATION PRV MODIF
002201090	LANZA'S ELECTRICAL CON	210.00	2021 12/23/21 3030 PIT /DOWN STEAM PIPES
002201127	MATTHEW LOVETT	172.07	CUST REF 206180005224 FORMER CUST NEVER CANCEL AUT
002201128	W.B. MASON CO. INC.	5,515.98	2021 DECEMBER 21 OFFICE SUPL/PRINTERS, PAPER, TONER
002201091	MATRIX IMAGING SOLUTIO	2,408.28	2021 DECEMBER 21 BASE & ADD PACKAGE
002201092	MCGUIRE'S MECHANICAL C	6,629.65	2021 12/9-12/17 RYE LAKE REPL PUMP & PIPING
002201093	MCGUIRE'S MECHANICAL C	1,670.82	2021 12/8-12/9 PURCHASE BOOSTER/NEW WATER PIPING
002201151	MCI COMM SERVICE	36.63	JANUARY 22 PURCHASE ST TELEPHONE LONG DIST SERV
002201152	MCI COMM SERVICE	36.63	JANUARY 22 GENERATOR LINE LONG DIST SERV
002201153	MCI COMM SERVICE	36.63	JANUARY 22 LAKE ST PLANT LONG DIST SERV
002201094	MCCARTHY FINGAR LLP	4,583.33	FEBRUARY 2022 PROF SERV/IN CONN W/ANNUAL RETAINER
002201129	MCCARTHY FINGAR LLP	6,096.00	A1364 JOINT RYE LAKE FILTRATION /DECEMBER 2021

VB REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
002201154	MCCARTHY FINGAR LLP	2,254.53	2021 DECEMBER 21 PROF LEGAL SERVICES
002201155	NELSON POPE VOORHIS	34,096.25	A1364 JOINT RYE LAKE FILTRATION FACILITY / 2021
002201130	NYS DEPT ENVIRON. CONS	110.00	2021 ANN STATE POLLUTANT DISCH EL/RYE LAKE WATER
002201131	PARACO GAS	1,078.31	1/4/22 PROPANE (572) GALS /RYE LAKE
002201132	PARACO GAS	591.24	2021 12/30/21 PROPANE PIPELINE (300) GALS 830 LAKE
002201133	POLLARDWATER	825.00	2021 (1) MAG LCTR / DISTRIBUTION
002201134	POLLARDWATER	185.20	2021 (1) 1/2 TORQ WRENCH
002201135	POLLARDWATER	185.20	2021 (1) 1/2 TORQ WRENCH
002201136	POLLARDWATER	116.40	2021 (3) VARIOUS VALVE BOX RISERS
002201156	READY REFRESH BY NESTL	528.89	12/15/21-01/14/22 POLAND SPR WATER/ALL LOCATIONS
002201137	PRESCOTT, E.J.	150.00	2021 (1) BENCH TEST BR METER UP TO 1"
002201138	SAMMARCO STONE & SUPPL	361.32	A1374 JOINT OSBORNE RD PRV MOD/ 2021
002201139	SAMMARCO STONE & SUPPL	141.62	A1374 JOINT OSBORN RD PRV MOD/2021
002201095	SHANNON CHEMICAL CORP	4,736.00	2021 12/21/21 (80) BAGS WTR TREATMENT COMPOUND
002201096	SWIFTREACH NETWORKS, L	1,575.00	2021 DECEMBER 21 SWIFT 911 MONTHLY SUBSCRIPTION
002201097	SPRAGUE OPERATING RESO	992.16	2021 12/28/21 (400) GALS OF GASOLINE
002201140	TOWN/HARRISON	434,922.51	4TH QUARTER 21 REIMBURSEMENT FOR SEWER RENT
002201098	TOTAL TECHNOLOGY SOLUT	769.50	JANUARY 2022 (57) ADD MAILBOX/AGREEMENT HOSTED EM
002201099	TOTAL TECHNOLOGY SOLUT	4,700.00	N20-20 HOUR NETWORK TIMEBLOCK
002201141	TOWN OF MAMARONECK	124,275.19	4TH QUARTER 21 REIMBURSEMENT FOR SEWER RENT*
002201142	TOWN OF MAMARONECK	5,696.00	2021 TRAFFIC DETAILS (44.5) HR/WINDING BROOK/FENB
002201100	TOWN/VILLAGE OF HARRIS	1,200.00	DECEMBER 2021 ROAD OPENING PERMITS
002201101	U LINE	176.35	2021 PAPER ROLL TOWEL, TOILET TISSUE/ALL LOCATION
002201102	VERIZON	51.25	1/2/22-2/1/22 PURCHASE ST/INTERNET & TELEPHONE
002201103	VERIZON	75.84	1/2/22-2/1/22 WEAVER ST PLANT/INTERNET & PHONE
002201104	VERIZON	390.11	1/4/22-2/3/22 WEAVER ST/INTERNET & PHONE
002201143	VERIZON	234.26	1/7/22-2/6/22 INTERNET & PHONE/PURCHASE ST
002201144	VERIZON	201.99	1/11/22-2/10/22 ALARM LINE/OFFICE
002201105	VERIZON BUSINESS FIOS	101.47	1/1/22-1/31/22 RYE LAKE PHONE & INTERNET
002201145	VERIZON BUSINESS FIOS	34.08	1/6/22-2/5/22 PHONE LINE FOR GENERATOR
002201106	VERIZON WIRELESS	1,349.29	12/27/21-1/26/22 WJWW EMPLOYEE MOBILE PHONES
002201146	VILLAGE OF MAMARONECK	128,464.28	4TH QUARTER 21 REIMBURSEMENT FOR SEWER RENT*
002201147	VILLAGE OF MAMARONECK	1,300.00	2021 11/17 POLICE TRAFFIC CONTROL/VAN RANST PL
002201148	VINCENT PIT STOP, INC	1,502.98	2021 GASOLINE AND DIESEL
002201107	VINCENT GARAGE, INC	242.40	2021 12/29/21 GASOLINE
002201108	VITOLITE ELECTRIC SALE	183.84	A1373 JOINT PURCHASE BOOSTER STATION
002201157	VITOLITE ELECTRIC SALE	964.26	A1373 JOINT PURCHASE BOOSTER STATION PRV MOD
002201158	THOMSON REUTERS-WEST	1,800.00	2021 MCKINNEY'S CONSOL LAWS ACC#1000278394
002201159	WASP ENGINEERING GROUP	6,712.50	1/10/22-1/16/22 PROF SERV/WJWW GARAGE CLEANUP
002201160	WASP ENGINEERING GROUP	3,400.00	2021 PROF SERV WJWW GARAGE POST IDA STORM

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1,069,548.26

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09 002201061	STERLING NATIONAL BANK	21,595.01	#2 P/E 1/08/22 FEDERAL PAYROLL TAXES WITHHOLDING
09 002201161	STERLING NATIONAL BANK	17,480.90	#3 P/E 1/15/22 FEDERAL PAYROLL TAXES WITHHOLDING
09 002201066	NYS DEFERRED COMPENSAT	3,393.65	#2 P/E 1/08/22 NYS DEFERRED COMP
09 002201162	NYS DEFERRED COMPENSAT	2,472.19	#3 P/E 1/15/22 NYS DEFERRED COMP
09 002201063	NYS INCOME TAX	3,788.38	#2 P/E 1/08/22 NYS PAYROLL TAXES WITHHOLDING
09 002201163	NYS INCOME TAX	3,100.46	33 P/E 1/15/22 NYS PAYROLL TAXES WITHHOLDING
09 002201064	PAYROLL	57,890.69	#2 P/E 1/08/22 PAYROLL SUMMARY
09 002201164	PAYROLL	45,892.22	#3 P/E 1/15/22 PAYROLL SUMMARY
09 002201065	UTILITY WORKER UNION L	469.40	#2 P/E 1/08/22 UNION DUES
09 002201165	UTILITY WORKER UNION L	469.40	#3 P/E 1/15/22 UNION DUESW

20 Jan 2022

C L A I M S L I S T I N G for 01/10/22 - 01/20/22

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VB REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
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**		156,552.30	
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1,226,100.56

[405] 104 items listed out of 25755 items.

For Billings As Of: 1/20/2022
For Cash Received As Of: 1/20/2022

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	
				# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance
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	49%	858	\$ 717,116	246	\$ 117,309	90	\$ 29,348	500	\$ 557,384	18	\$ 14,097	4	\$ (1,021)
01/22/21	39%	974	\$ 729,309	372	\$ 138,995	54	\$ 20,011	509	\$ 553,650	39	\$ 18,005	1	\$ (1,352)
02/05/21	43%	814	\$ 681,554	263	\$ 125,359	152	\$ 28,754	360	\$ 512,685	31	\$ 15,858	8	\$ (1,103)
02/19/21	39%	941	\$ 703,002	362	\$ 142,086	98	\$ 10,975	447	\$ 540,133	29	\$ 11,124	5	\$ (1,317)
03/04/21	46%	748	\$ 657,152	268	\$ 134,671	122	\$ 13,729	333	\$ 499,669	19	\$ 10,170	1	\$ (1,087)
03/18/21	29%	961	\$ 453,456	195	\$ 128,865	86	\$ 2,368	661	\$ 315,613	14	\$ 7,854	5	\$ (1,245)
04/09/21	29%	742	\$ 419,532	176	\$ 81,094	143	\$ 14,011	404	\$ 313,927	12	\$ 10,796	7	\$ (296)
04/23/21	24%	805	\$ 309,707	294	\$ (9,820)	100	\$ 4,518	383	\$ 304,795	22	\$ 10,594	6	\$ (380)
05/07/21	20%	864	\$ 302,356	223	\$ (14,998)	139	\$ 12,464	479	\$ 296,698	16	\$ 8,021	7	\$ 171
05/20/21	19%	965	\$ 304,900	397	\$ 6,124	102	\$ 6,231	437	\$ 283,630	24	\$ 9,387	5	\$ (471)
06/03/21	22%	944	\$ 295,873	331	\$ 1,953	235	\$ 18,325	347	\$ 266,253	22	\$ 9,057	9	\$ 286
06/17/21	17%	889	\$ 378,182	242	\$ 15,446	102	\$ 28,658	522	\$ 324,927	16	\$ 9,022	7	\$ 130
07/09/21	14%	822	\$ 434,134	211	\$ 17,384	142	\$ 33,392	450	\$ 369,624	15	\$ 12,944	4	\$ 788
07/21/21	14%	841	\$ 436,926	313	\$ 36,597	107	\$ 27,953	396	\$ 357,538	20	\$ 14,444	5	\$ 394
08/04/21	18%	873	\$ 379,617	232	\$ 24,668	168	\$ 35,815	450	\$ 304,571	17	\$ 13,770	6	\$ 792
08/19/21	12%	942	\$ 379,340	341	\$ 37,746	106	\$ 21,974	455	\$ 301,319	35	\$ 18,245	5	\$ 57
09/16/21	13%	1,082	\$ 444,281	308	\$ 34,122	180	\$ 33,537	575	\$ 362,444	14	\$ 13,302	5	\$ 876
10/20/21	18%	1,188	\$ 473,260	490	\$ 107,046	190	\$ 38,180	462	\$ 307,179	43	\$ 20,262	3	\$ 592
11/08/21	19%	1,109	\$ 488,166	356	\$ 76,731	307	\$ 64,545	409	\$ 328,157	27	\$ 17,644	10	\$ 1,088
11/19/21	20%	1,173	\$ 444,223	552	\$ 116,837	190	\$ 40,559	410	\$ 270,487	17	\$ 15,361	4	\$ 979
12/10/21	29%	1,174	\$ 418,847	407	\$ 75,512	232	\$ 50,199	509	\$ 277,500	19	\$ 14,182	7	\$ 1,453
12/22/21	31%	1,143	\$ 415,871	514	\$ 111,628	138	\$ 36,704	434	\$ 246,812	50	\$ 19,302	7	\$ 1,425
12/31/21	39%	1,088	\$ 383,458	432	\$ 88,946	237	\$ 50,086	374	\$ 224,314	38	\$ 18,235	7	\$ 1,877
01/20/22	13%	1,244	\$ 195,777	468	\$ 116,531	139	\$ (33,858)	594	\$ 101,537	38	\$ 10,879	5	\$ 688

Commercial Backflow Status

1/19/2022

("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		1		0		0		56
Industrial/Chemical Using Related Activities	High	118		4		1		0		0		123
Subtotal High Hazard		173	97%	4	2%	2	1%	0	0%	0	0%	179
Auto or Repair/Boat Servicing Activities	Medium	85		0		3		0		0		88
Restaurant/Food/Club Related Activities	Medium	159		0		8		0		0		167
Office/Retail/Warehouse Related Activities	Medium	322		8		47		0		0		377
Subtotal Medium Hazard		566	90%	8	1%	58	9%	0	0%	0	0%	632
Apartment Building (3+ Units)	Low	92		0		4		0		256		352
Subtotal Low Hazard		92	26%	0	0%	4	1%	0	0%	256	73%	352
Use To Be Determined/Identified		0		0		16		0		0		16
Subtotal Use To Be Determined/Identified Hazard	TBD	0	0%	0	0%	16	100%	0	0%	0	0%	16
Totals		831		12		80		0		256		1179
% of Total		70%		1%		7%		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	446	12%	7	0%	289	8%	2918	80%	3660
Town of Mamaroneck	556	19%	12	0%	481	16%	1950	65%	2999
T/V of Harrison	1487	26%	23	0%	153	3%	4168	71%	5831
City of Rye	61	18%	0	0%	4	1%	273	81%	338
City of New Rochelle	2	3%	0	0%	0	0%	69	97%	71
Totals	2552		42		927		9378		12899
% of Total	20%		0%		7%		73%		100%



January 7, 2022

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 2022. 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;
- Engineering design and permitting for system upgrades;
- 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

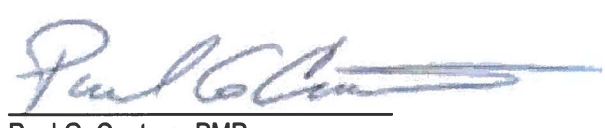
Woodard & Curran proposes to perform the tasks in the aforementioned Scope of Services in accordance with the July 17, 2020 Terms and Conditions between WJWW and Woodard & Curran. Billing will be prepared on a Time & Materials (T&M) basis in accordance with the current Woodard & Curran standard rate 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



January 19, 2022

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

Re: Westchester Avenue Suez Connection Control Valve SCADA Proposal

Dear Mr. Kutzy:

Woodard & Curran Engineering and Geological Services P.A. P.C. (W&C) is pleased to provide the Westchester Joint Water Works (WJWW) with this proposal to design, implement, start-up and test a SCADA Control Panel and SCADA communications for the Westchester Avenue Suez Connection Control Valve site in the WJWW water supply system. As part of WJWW's ongoing efforts to improve operational efficiency, we will build on the existing SCADA system designed and integrated by W&C, allowing us to be able to deliver this project in an efficient manner. Below please find our Scope of Services and Project Budget.

SCOPE OF SERVICES

W&C will design the appropriate electrical service, instrumentation, SCADA panel and communication systems for the location, provide the drawings to WJWW for review and for WJWW use in soliciting cost proposals from UL508 listed panel shops for the control panel. Upon receipt of the panel, WJWW will use their electrical contractor to install the electrical service, control panel, instrumentation, and wire them accordingly. W&C will then complete the SCADA panel programming and integrate the site into the existing SCADA system.

W&C proposes to perform the following:

- Development of panel drawings for this project for WJWW use in panel procurement;
- Review of WJWW vault design for instrumentation and controls coordination;
- Development of electrical and control panel construction drawings for the electrical contractor;
- Preparation of record drawings for the control system following construction;
- Project meetings as required for controls requirements and coordination;
- Update path study as necessary;
- Design SCADA panel drawings;
- Update SCADA System Block Diagrams;
- Factory Acceptance Testing and field installation verification of SCADA panel;
- Programming of SCADA PLC's and OIT's;
- Startup, test and troubleshoot SCADA panel and radio system;
- Add alarms, test, and confirm; and



- Develop, install, and test SCADA HMI screens on all the WJWW SCADA nodes.

ASSUMPTIONS/EXCLUSIONS

- The design will be for an above grade NEMA 3R enclosure which will house the SCADA panel and electrical distribution equipment. WJWW will procure the equipment for WJWW's electrical contractor to install on a pad at the vault site.
- TCS Communications will supply radio equipment and services. This is included in Woodard & Curran's scope and budget.
- WJWW's electrical contractor will perform all installation, including install conduits and wire for service entrance and all vault requirements, and radio and antenna at the vault site.
- WJWW will provide and install the hydraulic control valve and the valve controller.
- If permits are necessary, permitting fees will be paid directly by WJWW.

PROJECT BUDGET

Woodard & Curran will produce preliminary SCADA panel drawings for panel procurement. These drawings will be based on a standard design with enough I/O to handle the final station design. Once the design is finalized, a For Construction set of drawings will be produced for installation. Final As Builts will be provided. We propose an authorization of **\$26,700** per the following:

Task	Fee	Estimated Hours
Design	\$5,400	32 Total
Preliminary drawings for panel procurement		
Construction drawings for installation contractor		
As Built drawings for final record		
Programming	\$6,750	40 Total
In-house station PLC Programming		
In-house station OIT programming		
In-house HMI programming		
Implementation	\$6,750	40 Total
On-site checkout of installation, point-to-points, signals		
On-site modifications to existing PLCs, OITs, HMIs		
On-site startup and complete system testing		
Project Management and QC/QA - including FAT	\$4,800	28 Total
PM and QC/QA Reviews		
Factory Acceptance Testing (at fabricator) and follow-up as needed		
Radio Consultant (equipment, setup, startup)	\$3,000	
Total	\$26,700	138 Total

We recommend a budgetary allocation for the SCADA panel of **\$24,000**. If Woodard & Curran procures the panel, this will be invoiced on a Time and Materials basis in accordance with our current rate table. If WJWW chooses to procure the panel directly, this allowance will not be required. With the SCADA Panel allowance, the project total is **\$50,700**.

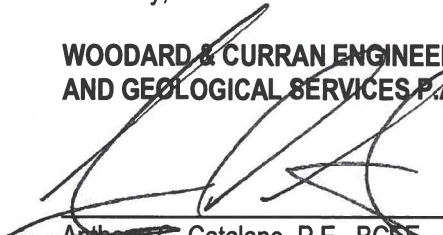
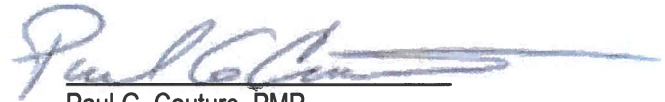


This work will be conducted in accordance with Terms and Conditions as authorized by WJWW on July 14, 2020 and will be billed monthly on a progress-billing basis as a percentage of the total project completion.

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., BCES
Principal
Paul G. Couture, PMP
Project Manager

cc: Steven Robbins, W&C
Frank Arcara, WJWW

SEEN AND AGREED:

Date



architects + engineers

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747 | tel 631.756.8000

January 14, 2022

Mr. Paul Kutzy, P.E., Manager
Westchester Joint Water Works
1625 Mamaroneck Avenue
Mamaroneck, New York 10543

**Re: Westchester Joint Water Works
Proposal for Engineering Services
UV Disinfection Facility at Rye Lake
H2M Proposal No.: LP211178**

Dear Mr. Kutzy:

H2M architects + engineers (H2M) is pleased to provide the Westchester Joint Water Works (WJWW) a proposal for professional engineering services relating to the design and construction administration of a UV treatment facility at the Rye Lake Pump Station. WJWW draws from two water supply sources; i.e. Shaft 22 of the Delaware Aqueduct and Rye Lake. Currently, Shaft 22 provides UV treated water in accordance with the Long-Term Enhanced Surface Water Treatment Rule (LTESWTR), whereas water from Rye Lake is currently not UV treated.

WJWW had contracted HDR Inc, to perform a Basis of Design Report (BODR) for construction of a UV facility at their Purchase Booster Pump Station site. WJWW now desires that a pre-fabricated UV facility be constructed at their Rye Lake facility. More specifically, the source water will be UV treated after leaving the pump station at Rye Lake but prior to treatment at Rye Lake.

This UV treatment facility at Rye Lake is an integral part of a larger project, to be determined, to bring WJWW into compliance with the Surface Water Treatment Rule (SWTR). The larger project shall consist of either construction of a filtration plant utilizing the current Rye Lake water source, or an alternative to filtration, acceptable to the New York State Department of Health (NYSDOH), drawing water from an alternative water source which currently has a Filtration Avoidance Determination (FAD) and transmitting such water for UV treatment at Rye Lake.

There is an immediate benefit to construction of the UV treatment facility at Rye Lake at this time. Given current water source capacity limitations at both Shaft 22 and Rye Lake, and current limitations to available water storage, WJWW currently struggles with meeting peak hourly domestic water demands which would be compounded by any fire flow condition. Construction of the UV treatment facility at Rye Lake will alleviate this condition by decreasing required chlorine contact time, thereby allowing for increased production capacity at Rye Lake and freeing up available water storage capacity at the Purchase Tanks. Construction of the UV treatment facility at Rye Lake will also give WJWW the ability for a planned shutdown of their 30inch transmission main from Shaft 22 to conduct, for the first time, a comprehensive inspection which has not been performed since its construction over 60 years ago.

The critical timing for this project calls for the development of design documents and project costs by September of 2020 with construction to begin Winter, 2021.

1.0 – PROPOSED TECHNICAL SCOPE

Pursuant to the scope of work outlined in your request for proposal, we will provide the following services to WJWW to facilitate successful execution of the project:

Task 1: Development of Design Documents

- **Deliverables:** Construction Drawings with manufacturer specifications incorporated onto drawing sheets, technical specifications, basis of design report, DOH 348 application(s).
- **Deliverable Submittal Date:** September, 2020
 - Conduct a kickoff meeting with WJWW personnel to review detailed project parameters.
 - Evaluate the UV disinfection facility for future flow projections in order to establish design parameters for the design of prepackaged UV system.
 - Perform site investigation, soil borings and survey.
 - Prepare contract documents, plans and technical specifications for public bidding for the UV facility installation. To conform with the provisions of Wicks Law, this will include contract documents for two construction contracts that will include: General and Electrical.
 - Review documents with WJWW personnel and make any necessary revisions based on WJWW comments.
 - Prepare for regulatory submission, an engineering report to accompany design documents and specifications, establishing the Basis of Design of the proposed facility.
 - Design report will be in accordance with Westchester County Department of Health WCDOH and/or New York State Department of Health NYSDOH requirements for engineering report.
 - Prepare Stormwater Pollution Prevention Plan (SWPPP) as required by NYCDEP.
 - Preparation for WCDOH regulatory submission design plans and technical specifications for the relocation of fluoride.
 - Coordination with NYCDEP regarding obtaining a modified Land Use Permit for the construction of the Rye Lake UV Plant and all other on-site work to be performed.
 - Additional Coordination with NYCDEP pertaining to prepared SWPPP.
 - Coordination with the UV Supplier Calgon regarding the capabilities of the Sentinel UV reactors as it related to Turbidity. This was in response to additional questions posed by the NYSDOH/WCDOH.
 - Coordination with EFC pertaining to grant execution and extension.
 - Coordination with NYSDOH/WCDOH to obtain clarification and prepare responses to received Comments.
 - Preparation of design plans and specifications to include the following trades:
 - Architectural:
 - Review of existing site conditions and architectural appearance

- Preparation of alternative façade options for review and approval by WJWW.
- Preparation of building elevations for review by NYCDEP and Town of Harrison Planning Board.
- Review/Select exterior finishes resembling the existing chemical treatment building stone exterior and slate roof.
- Preparation/Review of alternative stone veneer options with EFI to determine how to best attach the stone to the prefabricated building.
- Preparation of alternative window surrounds/sill for review and approval by Town of Harrison Architectural Review Board (ARB).
- Structural:
 - Design of foundation system utilizing grade beams and pile supports.
 - Design and coordination of building anchorage to foundation system.
 - Design and coordination of raised switchgear platform.
- Electrical:
 - Site Visit and Coordination with Con Edison.
 - Review and coordination of single pre-engineered building electrical requirements and other pertinent information.
 - Design of outdoor switchgear (switchboard lineup/switchboard elevation and additional generator(s). Includes coordination with Generac on proper generator sizing and generator tie in.
 - Coordinate chemical pump modifications and SCADA communications for the relocation of fluoride injection.
- Civil:
 - Coordinate/Perform storm water feasibility testing with NYCDEP.
 - Preparation of Town of Harrison Planning Board construction documents.
 - Additional preparation/coordination pertaining to Stormwater Pollution Prevention Plan (SWPPP) as required by NYCDEP.
 - Revisions to plans and specifications as requested by local and state regulatory agencies.
 - Preparation of multiple Plan Sets (NYCDEP, Town of Harrison Planning Board, Town of Harrison Building Department, Town of Harrison Architectural Review Board (ARB) and NYSDOH/WCDOH.
 - Preparation of Landscape Architectural Plans as requested by the Town of Harrison Planning Board.
- Mechanical:
 - Flood level coordination.
 - Preparation of a letter report and graph(s) documenting the correlation of turbidity data and available TOC.
- Fluoride Design:
 - Development of design plans and project specifications for the relocation of fluoride addition from the pump house clear well to direct fluoride injection within the existing venturi pit.
 - Preparation of an Engineering Report in accordance with the Westchester County Department of Health (WCDOH) and/or New York State Department of Health (NYSDOH) requirements for an engineering report.

- Additional preparation of WCDOH regulatory submission design plans and technical specifications for the relocation of fluoride addition. This is in response to WCDOH comment letter dated October 27, 2020 (WCDOH Log No. C20-017).
- Survey:
 - Third Party utility mark out to obtain the locations of all underground foreign structures in the vicinity of the proposed UV disinfection station.
 - Preparation of topography and base map for the Rye Lake Plant.
 - Preparation of As-Built drawings locating cut in tees and butterfly valves
 - Additional topography along the plant perimeter to be used in determining drainage invert elevations.
 - Preparation of a tree survey at the request of NYCDEP, including site work and office work.
 - Update existing base map to include wetlands delineation performed by NVP. Includes site work and office work.
 - Perform stakeout of UV Building footprint, new generator pad and fence line.
- Fire Sprinkler
 - Provide a design for a dry chemical fire suppression system for the UV building with manufacturer specification incorporated onto drawing sheets
 - Evaluate all available systems to determine the most economical and practical design for the following systems: FM-200, FE-13 or Novec 1230. Discuss pros and cons for each system to be presented to the owner for selection.
 - Locate and size fire suppression chemical storage tanks.
 - Provide complete design in accordance with NFPA 13 and 2001.
 - Provide sprinkler head layout, piping and all associated alarms and tanks.
 - Coordinate with Electrical Engineer for required power and fire alarm connections.

Task 2: Submittal to Regulatory Agencies for Review/Comments/Revision

- **Deliverable Submittal Date: September, 2020**
 - Coordinate and attend, along with WJWW a pre-submission to regulators, to review the project design intent, goals and intent.
 - Prepare and submit report, plans, equipment specifications and applications to the NYSDOH and/or WCDOH (WCDOH) and/or (NYSDOH) for project approval. This will include responding to comments, making necessary revisions and making resubmission as required to attempt to gain regulatory agency approval.
 - Any permit fees required by the NYCDEP, WCDOH and Town of Harrison will be paid directly by the WJWW.
 - Meet with regulators to review the project to attempt to gain regulatory agency approval.
 - Prepare and submit completed works certifications as required by the Health Department following completion of the work.

- Coordinate and attend, along with WJWW design progress meetings with NYCDEP to review the project design, intent and goals. Meetings shall be held at 30%, 60% and 90% design completion.
- Coordinate and attend (if necessary) planning board meetings, zoning board meetings and council meetings.
- Prepare and submit applicable permits as required by the Town of Harrison, WCDOH/NYSDOH and NYCDEP.
- Coordinate and attend additional planning board, town council and ARB meetings. Meetings conducted in person or via Zoom.
- Additional meetings with regulators to review the project for the purposes of obtaining regulatory approval.
- Coordinate and attend, along with WJWW additional design progress meetings with NYCDEP to review the project design, intent, and goals.
- Prepare and submit additional permits as required by the Town of Harrison, NYSDOH/WCDOH and NYCDEP.
- Prepare and submit design amendments and revisions at the request of local and state regulatory agencies (i.e. Fire Suppression System, etc.).
- Coordinate with Nelson Pope and Voorhis (NPV) wetlands delineation as requested by the Town of Harrison Planning Board.
- Additional Design and Basis of Design Report revisions as noted and requested by NYSDOH/WCDOH.
- Preparation of Presentation Boards and Renderings for News article and on site press event with Town of Harrison administrative personnel.
- Preparation of Standard Operating Procedures (SOP) for submission to WCDOH. Includes meetings, preparation and submission.

Task 3: Bidding Assistance

- Deliverable Submittal Date: Fall/Winter 2020/2021

- Prepare electronic copies of plans and specifications in pdf format for prospective bidders.
- Prepare notice to bidders and contact potential responsible and experienced bidders.
- Answer technical and administrative questions during the bid period. Provide clarifications to plans and specifications and prepare addenda if required.
- Attend bid opening and assist the WJWW in securing bids for the project.
- Tabulate and analyze bid results, investigate the qualifications of the low bidders and make recommendations for award of the construction contract.
- Notify low bidders of contract award and prepare conformed copies of contracts for contract signing.
- Preparation of separate Bid Packages for the following:
 - Pre-engineered and manufactured UV disinfection station
 - Rye Lake UV Upgrade (Contract G: General Construction and Contract E: Electrical Construction).
- Preparation of Bidding documents for Contract E Rebid.

- Provide responses to additional technical and administrative questions during rebid period. Provide clarifications to plans and specifications as well as prepare addenda as required.
- Third Party preparation of physical copies of plans and specification for prospective bidders. Includes original Bid for Contracts B, G and E as well as rebid specific to Contract E.

Task 4: Construction Administration

- Deliverable Submittal Date: Winter, 2021 – Spring, 2022

- Review contractor shop drawings for conformance with plans and specifications.
- Review contractor construction schedules, schedule of values and other administrative documents. Comment on schedules and facilitate a comprehensive, integrated construction schedule to be finalized by the contractor.
- Review partial payment applications.
- Office coordination with contractor and WJWW during construction.
- Conduct monthly progress meetings with the contractor and WJWW (assumes 6 meetings over a six-month construction duration).
- Prepare minutes of progress meetings.
- Coordination with Johnson County Foam with regards to the alternative window surrounds/sill.
- Review electrical equipment revisions (cabinet dimensions, weight, and clearances) and redesign elevated platform including orientation, structural member review and footings.
- Additional Coordination with EFI and Woodard and Curran regarding SCADA integration (Weekly Meetings).
- Coordination with EFC pertaining to grant execution and extension.
- Additional Daily/Weekly/Monthly Project Coordination with WJWW, Contract B, G and E, and NYSDOH/WCDOH.

Task 5: Construction Inspection

- Deliverable Submittal Date: Winter, 2021 – Spring, 2022

- Perform full time oversight of construction to check conformance with plans and specifications and review progress of the contractors (assumes 8 hours per day for 24 weeks). Schedule and witness overall system performance verification.
- Additional full-time oversight in exceedance of the original proposed.
- Schedule factory visits to check progress on the prepackaged UV facility and ensure the package complies with all plans and specifications (1-2 visits with an H2M representative and client, costs for shop witness are not included in this proposal).
- Provide field coordination with contractor and WJWW during the construction.
- Document construction activities of the contractor in daily field reports.
- Perform interim and final inspections with WJWW and prepare interim work lists and final punch lists for each contract.
- Provide Professional Engineer Oversight and Certification of completed works for NYSDOH and WCDOH approval.

Task 6 – Start-up and Commissioning:

- **Deliverable Submittal Date: Winter, 2022**

- Coordinate with the contractors, vendors and WJWW personnel for equipment and system testing. Confirm that equipment and systems are set, calibrated, and functioning as specified.
- Coordinate and witness overall system performance verification.

H2M clearly understands the importance of this project to the operations of WJWW and the critical need to have the UV Facility online in a timely manner so the WJWW can supply safe drinking water from Rye Lake. We also understand that the ability to deliver a quality product on time is often the single most important factor in the selection of an engineering firm. We recognize that one of the reasons for having term-type contracts is to expedite the delivery of small to mid-size projects where on-time delivery is critical. In this regard, we take pride in our ability to quickly mobilize, assign staff and complete projects under some very difficult schedules.

We also recognize the importance of meeting project schedules promised to our clients. In order to assist us in maintaining all of our projects on schedule, we conduct an internal weekly Project Scheduling Meeting. At the meeting we review the status of all of the active projects and address conflicts, delays, manpower needs, coordination between departments and other issues that impact a project's schedule.

3.0 – FEES FOR PROFESSIONAL SERVICES

H2M proposes to complete the above services in accordance with the following fee schedule.

Task	Description	Fee Type	Fee Amount
1	Development of Design Documents	Lump Sum	\$109,500.00
	Additional Development of Design Documents	Lump Sum	\$83,750.00
	Additional Development / Revisions of Design Documents	Lump Sum	\$27,780.00
	Preparation of SWPPP	Lump Sum	\$15,000.00
	Water Quality Analysis Review and Documentation to Westchester County Department of Health	Lump Sum	\$4,900.00

	Fluoride Injection Design	Lump Sum	\$16,700.00
	Survey/Utility Mark out	Lump Sum	\$13,500.00
	Additional Topographic Survey	Lump Sum	\$2,500.00
	Additional Topographic Survey (Wetlands/NYCDEP/Markout)	Lump Sum	\$6,390.00
	Soil Borings	Lump Sum	\$5,550.00
2	Submittal of Design Documents, Engineer's Report and Applications to NYSDOH/WCDOH for Review/Comments/Revision	Hourly Rates w/ Maximum	\$51,400.00
	Planning Board, Zoning Board, Council Meeting, NYCDEP Coordination	Hourly Rates ⁽²⁾ w/Maximum	\$200.00 EST: \$27,600.00
	Preparation of Presentation Boards and Renderings	Lump Sum	\$3,500.00
3	Bidding Assistance	Lump Sum	\$9,300.00
	Manufacturer bidding	Lump Sum	\$3,500.00
	Additional Bidding Assistance	Lump Sum	\$2,335.00
4	Construction Administration	Lump Sum	\$65,000.00
5	Construction Inspection	Hourly Rates w/ Maximum ⁽¹⁾	\$175,000.00
6	Start-up and Commissioning	Hourly Rates w/ Maximum ⁽²⁾	\$15,000.00
Total			\$313,800.00
Revised Total			\$454,200.00
Revised Total – 1/14/2022			\$625,405.00

(1) Agreed hourly rates in accordance with agreed upon rates with WJWW.

(2) All planning board, zoning board and Town Council and NYCDEP meetings are agreed hourly rates in accordance with agreed upon rates with WJWW. A maximum value has not been set due to the unknown number of meetings that might require attendance.

We appreciate the opportunity to provide you with this proposal and look forward to working with you on this important project.

Should you have any questions or require any additional information, please feel free to contact the undersigned.

Very truly yours,

H2M architects + engineers

James L. Neri

James L. Neri, P.E.
Vice President

Digitally signed by James L. Neri
DN: cn=James L. Neri, o=H2M architects +
engineers, ou=014100,
email=jneri@h2m.com, c=US
Date: 2022.01.14 12:55:38 -05'00'

JLN/jln

j:\p21\p211178 - wjww - rye lake uv plant\p211178 - wjww - rye lake uv facility_1-14-22.docx

PROPOSAL AGREED & ACCEPTED BY:

Signature: _____
Print
Name: _____
Title: _____
Client: _____
Address: _____

Date: _____



ENVIRONMENTAL CONSULTING
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January 19, 2022

Valerie Monastra, AICP
Principal Planner
NELSON POPE VOORHIS
156 Route 59, Suite C6,
Suffern, NY 10901

Re: Proposed Rye Lake Filtration Facility – Supplemental Noise Analysis Proposal

Dear Ms. Monastra:

Thank you for allowing B. Laing Associates, Inc. the opportunity to propose the provision of environmental services with regard to the subject project located within property owned by Westchester County at the Westchester County Airport, Westchester County, New York.

B. Laing Associates, Inc. personnel have provided noise analyses for point and non-point sources for over 30 years with projects ranging from power plants to residential subdivisions. Our clients have included private business owners for industrial or commercial projects and municipalities constructing or improving various public works. Our staff has conducted air quality, noise and environmental analyses at more than one hundred locations and many more individual scenarios for both point and non-point sources throughout New York including Westchester County and Long Island. Together our staff has over 65 years of knowledge and experience in the environmental industry.

B. Laing Associates, Inc. also conducts natural resource assessments, including endangered and threatened species assessments. We also conduct computer modeling of natural systems, air quality and potential noise sources. These technical analyses are either formatted to stand alone in any necessary permit submissions or to fit within the structure of SEQRA or NEPA EIS'. We have conducted these analyses (i.e., HEP, EPW and WET) on parcels for projects ranging from New York City and Bronx subdivisions to million-plus square foot retail malls in Rockland (Palisades Center) and Orange (Galleria at Crystal Run) Counties of New York.

In the case of the proposed project, B. Laing Associates, Inc. will update the existing sound study to determine/quantify adverse impacts, if any, due to the propagation of sound during the construction phase of the project. Phases of construction will be utilized to determine estimated sound levels. Estimated sound levels will be determined at the property boundary and closest residential property toward the west and also to the north. In addition, further quantification and a study figure will be provided for the proposed operational sound levels.

At this time, we will move forward undertaking the supplemental efforts for an amount not to exceed \$2,420.00.

The above supplemental analyses will be considered complete and will be billed monthly as lump sums or upon submission of the analysis to the general consultant (whichever is shorter). This proposal does not include the design or calculation of mitigating measures beyond those cited above, if any. All report copies for external use (beyond electronic versions for internal use or an original), meetings, hearings and responses to client or agency comments will be provided or conducted on a time and materials basis under separate scope. The cost assumes that the Harrison, NY location is the only one requiring analysis and that the installation will pass the noise standards at the first level of noise monitoring/analysis. Any quantitative modeling (if needed) would be provided under separate scope. Our 2022 hourly fees range from \$260.00 for a principal scientist to \$69.00 for a technical research specialist. Expenses are billed by item (e.g., \$0.575/mile, \$0.20/copy, etc.) or at actual times 1.15.

If you have any questions, please do not hesitate to contact me.

Sincerely,



Danna Cuneo, Senior Scientist

Client Acceptance:

Date: _____

Signature: _____

Name: _____

Title: _____