City of Burlington

COUNCIL MEETING
AGENDA

December 10, 2024
7:00 pm

NOTICE OF THIS MEETING WAS ADVERTISED IN ACCORDANCE WITH THE OPEN PUBLIC MEETINGS ACT.

FIRE EXITS: TURN LEFT UPON EXITING COUNCIL CHAMBERS AND THE ENTRANCE TO THE BUILDING.

Cindy A. Crivaro, RMC
Municipal Clerk

Please silence all electronics during this meeting. Thank you.

GOVERNING BODY ROLL CALL:

_____ Councilman Dave Ballard
_____ Vice President Dawn Bergner-Thompson
_____ Councilman Timothy Hutton
_____ Councilwoman Geneva Rijs
_____ Councilman Richard Spaulding
_____ Councilwoman Suzanne Woodard
_____ President George Chachis

ALSO PRESENT:

_____ Mayor Barry Conaway
_____ Administrator Johanna Conyer
_____ Municipal Attorney Stuart Platt, Esq. / Justin Strausser, Esq.
_____ Financial Consultant Dean Ciminera / _____
_____ Director of Housing Bill Harris
_____ Director of Public Works Bill Curry / _____
_____ Acting Police Chief Ryan Elbertson / _____

Others: _____

_____

SALUTE TO FLAG

EXPLANATION OF RESOLUTIONS
Johanna Conyer, Administrator 243-2024 thru 246-2024

PUBLIC COMMENTS
Each Citizen will be allotted up to five (5) minutes to speak, to allow everyone an opportunity to express their concerns.

MOTION TO OPEN PUBLIC COMMENTS: 1. _____2. _____

MOTION TO CLOSE PUBLIC COMMENTS: 1. _____2. _____

CONSENT AGENDA
All items listed with an asterisk (*) are routine and will be enacted by one motion. Should a Council Member wish to discuss a consent agenda item separately, that item can be removed from the consent agenda and considered in its normal sequence on the regular agenda.

_____ Moved that all Consent Agenda items (*) be approved Seconded by _____.

APPROVAL OF INVOICES*

APPROVAL OF MINUTES*

RESOLUTIONS / CONSENT AGENDA RESOLUTIONS*
Resolution No. 243-2024 Authorizing Change Order No. 1 with Alaimo Engineering, an increase in the amount of $16,000.00, for Engineering Services in connection with the Riverbank Drive NJDOT FY2022 Road Project, making the revised total contract amount $72,000.00.

Resolution No. 244-2024 Authorizing a contract with Sovereign Consulting, Inc., in the amount of $624,500.00 for services in connection with the Water Treatment Plant Flocculator Rehabilitation Project.

Resolution No. 245-2024 Authorizing a contract with Vanasse Hangen Brustlin, Inc. ("VHB"), in an amount not to exceed $548,287.00 to be funded with grant monies provided from the Hazardous Discharge Site Remediation Fund for Environmental Services in connection with the Remedial Investigation at the US Pipe & Foundry/McNeal Mansion site.

Resolution No. 246-2024 Authorizing transfers between the 2024 budget appropriations as per N.J.S.A. 40A:4-58.

COUNCIL COMMENTS

VARIANCE PUBLIC HEARING
Floodplain Variance Application – 613 Moorland Avenue

ADJOURNMENT 1. _____ 2. _____

RESOLUTION NO. 243-2024 OF THE COMMON COUNCIL OF THE CITY OF BURLINGTON AUTHORIZING CHANGE ORDER NUMBER ONE WITH ALAIMO ENGINEERING RELATED TO ENGINEERING SERVICES FOR THE RIVERBANK DRIVE NJDOT FY2022 ROAD PROJECT

WHEREAS, the City of Burlington (the "City") is organized as a Mayor-Council form of government pursuant to the Optional Municipal Charter Law, N.J.S.A. 40:69A; and

WHEREAS, it is the recommendation of City Administration, that the Common Council of the City of Burlington authorize an amended agreement with Alaimo Engineering in the form of Change Order No. 1, in connection with engineering services related to the Riverbank Drive NJDOT FY2022 Road Project for the provision of redesigned construction plans; and

WHEREAS, this Change Order No. 1 is an increase in the amount of $16,000.00, making a revised total contract amount of $72,000.00.

NOW THEREFORE BE IT RESOLVED, by the Common Council of the City of Burlington that the Mayor and Municipal Clerk are hereby authorized to execute a change order in a form acceptable to the City Solicitor, with Alaimo Engineering for an increase in the amount of $16,000.00, to a contract total of $72,000.00, in connection with engineering services related to the Riverbank Drive NJDOT FY2022 Road Project.

George Chachis, President
Common Council

Attest:

Cindy A. Crivaro, RMC
City Clerk

December 10, 2024

RECORD OF VOTE OF PASSAGE BY THE COMMON COUNCIL						
	MOTION	SECOND	YES	NO	ABSTAIN	ABSENT
BALLARD						
BERGNER-THOMPSON						
HUTTON						
RIJS						
SPAULDING						
WOODARD						
CHACHIS						

2

CITY OF BURLINGTON

RESOLUTION REQUEST FORM

Council Meeting Date: December 10, 2024

DATE: November 25, 2024

TO: Johanna S. Conyer, Business Administrator

FROM: William Curry, Director of Public Works

DEPARTMENT REQUESTING RESOLUTION: Department of Public Works

TITLE OF RESOLUTION:

Change Order to Riverbank Drive NJDOT FY2022 Road Project for Alaimo Engineering

BRIEF DESCRIPTION OF ACTION:

Resolution to increase the engineering amount for an additional $16,000 for Alaimo Engineering for revisions to construction plans and re-submissions to NJDOT's already approved plan

BIDDING PROCESS (*If applicable*)**:** Existing Project - Change Order to contract 2022-1

APPROPRIATION ACCOUNT TO BE CHARGED (*If applicable*)**:** C-04-55-973-001

AMOUNT OF PROPOSED CONTRACT *(If applicable)*: $16,000.00

Approved by Business Administrator: _____ _____

Date Signature

☐ Certification of Funds Needed

Please note that the Contact Person is the point person for providing pertinent information regarding request.

****Please attach all supporting documents****

File

Alaimo Group

200 High Street, Mt. Holly, New Jersey 08060 Tel: 609-267-8310 Fax: 609-845-0300
201 Willowbrook Blvd, Suite 501, Wayne, NJ 07470 Tel: 973-523-6200 Fax: 973-523-1765

November 8, 2024

Mr. William Curry, Director
Department of Public Works
City of Burlington
525 High Street
Burlington, NJ 08016

RE: City of Burlington
F.Y. 2022 N.J.D.O.T. Municipal Aid Program / Improvements to Riverbank Drive, McNeal Street & Taylor Avenue
Fee Increase Request
Contract No. 2022-1
Our File No. A-0620-0091-001

Dear Mr. Curry:

As a follow up to our letter to you dated June 24, 2024, Alaimo Group has reviewed our budget requirements and is amending our requested fee increase for design and construction administration services for the above referenced project that was awarded in 2021. The request is based on the cost of redesigning and resubmitting the construction plans that had been previously accepted by NJDOT. The request also includes the increase in Alaimo's rate fee schedule for the years 2022 through 2024.

The construction plan for the original scope of work was based on the approved project limits, which was previously submitted and approved by NJDOT. However, due to fiscal restraints caused by the Municipal Aid grant that was awarded to Burlington City, sections of the project were removed to meet the current budget restraints. Alaimo prepared a revised set of construction plans for the improvements to Riverbank Drive based on this request to reduce the construction cost. Therefore, due to the revisions to the construction plans and resubmissions to NJDOT on an already approved plan, Alaimo is requesting a fee increase for this additional work. The amended engineering fee increase is based on the design modifications to the construction plans to meet the revised project limits and to incorporate NJDOT comments for approval to the Municipal Aid Grant.

Also, because the overall duration of the project schedule was extended past the original completion date, Alaimo has increased our hourly rates accordingly within our fee request.

Upon further analysis of our budget requirements, the increase in cost is $16,000.00. The original purchase order was in the amount of $56,000. Therefore, the requested fee increase would increase the total direct cost to $72,000.00.

Thank you again for your cooperation. Should you have any questions, comments or requests for additional information please contact me at this office.

Very truly yours,

ALAIMO GROUP

David Fronduti, P.E.
Senior Project Engineer

DMF/DV

cc: Richard A. Alaimo, P.E., P.P., President, Alaimo Group
Miles Powell, Senior Associate, Alaimo Group
Robert Lyons CPA, MAFM, Controller, Alaimo Group
Dan Vechesky, Associate, Alaimo Group

RESOLUTION NO. 244-2024 OF THE COMMON COUNCIL OF THE CITY OF BURLINGTON AWARDING A CONTRACT TO SOVEREIGN CONSULTING, INC. FOR THE WATER TREATMENT PLANT FLOCCULATOR REHABILITATION PROJECT

WHEREAS, the City of Burlington (the "City") is organized as a Mayor-Council form of government pursuant to the Optional Municipal Charter Law, N.J.S.A. 40:69A; and

WHEREAS, the City of Burlington requires services related to the rehabilitation of the Water Treatment Plant flocculator; and

WHEREAS, the City issued a request for proposals for a for the aforementioned services; and

WHEREAS, Sovereign Consulting, Inc. has submitted the lowest qualified bid in the amount of $624,500.00; and

WHEREAS, City Engineer has recommended that the City award a contract for the aforementioned services to Sovereign Consulting, Inc. in an amount not to exceed $624,500.00; and

WHEREAS, the Common Council wishes to award the aforementioned contract to Sovereign Consulting, Inc..

NOW THEREFORE, BE IT RESOLVED by the Common Council of the City of Burlington as follows:

1. The contract for services related to the Water Treatment Plant Flocculator Rehabilitation Project is hereby awarded to Sovereign Consulting, Inc., as recommended by the City's Engineer, in the amount of $624,500.00.

2. The Mayor and City Clerk are hereby authorized to execute any and all documents necessary to facilitate this award of contract.

_____
George Chachis, President
Common Council

Attest:

_____
Cindy A. Crivaro, RMC
City Clerk

December 10, 2024

RESOLUTION NO. 244-2024

RECORD OF VOTE OF PASSAGE BY THE COMMON COUNCIL						
	MOTION	SECOND	YES	NO	ABSTAIN	ABSENT
BALLARD						
BERGNER-THOMPSON						
HUTTON						
RIJS						
SPAULDING						
WOODARD						
CHACHIS						

CITY OF BURLINGTON

RESOLUTION REQUEST FORM

Council Meeting Date: December 10, 2024

DATE: November 25, 2024

TO: Johanna S. Conyer, Business Administrator

FROM: William Curry, Director of Public Works

DEPARTMENT REQUESTING RESOLUTION: Department of Public Works - Water Plant

TITLE OF RESOLUTION:

Award bid to Sovereign Consulting, Inc. for the Water Treatment Plant Flocculator Rehbilitation Project

BRIEF DESCRIPTION OF ACTION:

Award Contract to Sovereign Consulting Inc. in the amount of $624,500 to repair the flocculator and flash at the City of Burlington Water Treatment Plant.

BIDDING PROCESS (*If applicable*)**:** ERI performed a bid opening 11/21/2024

APPROPRIATION ACCOUNT TO BE CHARGED (*If applicable*)**:** C-06-55-572-002 $357,500
C-06-55-568-001 $267,000

AMOUNT OF PROPOSED CONTRACT *(If applicable)***:** $624,500.00

Approved by Business Administrator: _____ _____
Date Signature

☐ Certification of Funds Needed

Please note that the Contact Person is the point person for providing pertinent information regarding request.

****Please attach all supporting documents****

CITY OF BURLINGTON

CITY COUNCIL REQUEST FORM

Council Meeting Date: 12-10-24

TO: Johanna S. Conyer, Business Administrator

FROM: William Curry

DEPARTMENT REQUESTING RESOLUTION: DPW

TITLE OF RESOLUTION: Award bid for Water treatment Flocculator-Rehabilitation

BRIEF DESCRIPTION OF ACTION:
Award contract to Sovereign Consulting in the amount of $624,500 to repair Flocculator and Flash mixers at the city Water plant.

BIDDING PROCESS (*If applicable*): ERI bid 5 bids were submitted

APPROPRIATION ACCOUNT TO BE CHARGED (*If applicable*):

AMOUNT OF PROPOSED CONTRACT (*If applicable*): $624,500

William Curry
Contact Person ***(Please Print)*** Extension #

Approved by Business Administrator: _____ _____
Date Signature

☐ Certification of Funds Needed

Please note that the Contact Person is the point person for providing pertinent information regarding request.

****Please attach all supporting documents****

Christopher J. Noll, PE, CME, PP
President & CEO
William H. Kirchner, PE, CME, N-2
Vice President
Rakesh R. Darji, PE, PP, CME, CFM
Vice President/Treasurer
Benjamin R. Weller, PE, CME, CPWM, S-3, C-3
Secretary

ENVIRONMENTAL RESOLUTIONS, INC.
Engineers • Planners • Scientists • Surveyors

Joseph P. Orsino, Jr. CET, *Vice President*
Harry R. Fox, NICET III
G. Jeffrey Hanson, PE, CME
Joseph R. Hirsh, PE, CME, CPWM
C. Jeremy Noll, PE, CME, CPWM
Marc H. Selover, LSRP, PG

November 21, 2024
40008 43

Re: Water Treatment Plant Flocculator Rehabilitation
Bid Award Recommendation

Bill Curry, Director of Public Works
City of Burlington
525 High Street
Burlington, NJ 08016

Dear Mr. Curry:

Bids were received on November 21st, 2024, for the Water Treatment Plant Flocculator Rehabilitation Project. Thirteen (13) bidders obtained copies of the bid documents, of which five (5) bids were received. A complete summary of bids is attached and summarized below:

Company	Base Bid	Alternate Bid #1	Total Bid
Sovereign Consulting Inc.	$614,500.00	$10,000.00	$624,500.00
Municipal Maintenance Company	$769,715.00	$36,800.00	$806,515.00
MBE Mark III	$762,390.00	$48,000.00	$810,390.00
Clyde N. Lattimer & Son	$784,000.00	$57,000.00	$841,000.00
Rapid Pump & Meter Service Co.	$867,035.00	$11,525.00	$878,560.00
Engineer's Estimate	*$750,250.00*	*$22,500.00*	*$772,750.00*

The apparent low bid was received from Sovereign Consulting Inc. in the amount of $624,500.00 (Base Bid plus Alternate Bid #1). Based upon a review of the bid documents and the experience presented by Sovereign Consulting Inc., we recommend that the Base Bid and Alternate Bid #1 in the total amount of $624,500.00 be awarded to Sovereign Consulting Inc., provided the City confirms that the funds are available and subject to the Solicitor's review.

If you have additional questions or require additional information, please do not hesitate to contact our office.

Sincerely,

William H. Kirchner, PE, CME
City Water Engineer

WJK/eed
Attachment
cc: All Bidders
Marc Zott, Superintendent
Cindy Crivaro, Municipal Clerk
Gabrielle Hodgson, Deputy Municipal Clerk
Johanna Conyer, Business Administrator
Zoraida Pagan, Confidential Secretary
Dean Ciminera, CFO
File: G:\40000 - Burlington City\40000 - 40099\40008\40008 43 - Flocculators\Correspondence\40008 43 award recommendation letter 11.21.24.doc

ENVIRONMENTAL RESOLUTIONS INC. SUMMARY OF BIDS Bid Opening 11/21/2024 @ 10:00 AM				WATER TREATMENT PLANT FLOCCULATOR REHABILITATION BURLINGTON CITY BURLINGTON COUNTY, NJ 40008 43							
				Engineer's Estimate		Sovereign Consulting Inc.		Municipal Maintenance Company		MBE Mark III	
						111-A North Gold Drive Robbinsville, NJ 08691 P: 609-433-9849 F: NO FAX		1352 Taylors Lane Cinnaminson, NJ 08077 P: 856-786-9434 F: 856-786-0642		213 Main Street Madison, NJ 07940 P: 973-377-9240 F: 973-377-7840	
NO	DESCRIPTION	QTY	UNIT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT
BASE BID											
1	Drain, Clean, and Isolate Flocculation Basin	2	UN	$10,000.00	$20,000.00	$10,000.00	$20,000.00	$10,000.00	$20,000.00	$20,000.00	$40,000.00
2	Remove and Dispose of Existing Flocculator Mechanism	2	UN	$20,000.00	$40,000.00	$17,250.00	$34,500.00	$28,000.00	$56,000.00	$14,000.00	$28,000.00
3	**Inspect and Repair Concrete in Flocculation Basins**										
3A	Concrete Repair, Type A	30	SF	$150.00	$4,500.00	$130.00	$3,900.00	$54.00	$1,620.00	$100.00	$3,000.00
3B	Concrete Repair, Type B	30	SF	$250.00	$7,500.00	$235.00	$7,050.00	$182.00	$5,460.00	$150.00	$4,500.00
3C	Concrete Repair, Type C	10	CF	$550.00	$5,500.00	$500.00	$5,000.00	$545.00	$5,450.00	$250.00	$2,500.00
3D	Concrete Repair, Type D	10	SF	$600.00	$6,000.00	$710.00	$7,100.00	$212.00	$2,120.00	$380.00	$3,800.00
3E	Sealant Repair	35	LF	$100.00	$3,500.00	$95.00	$3,325.00	$51.00	$1,785.00	$80.00	$2,800.00
3F	Crack Injector	120	LF	$100.00	$12,000.00	$100.00	$12,000.00	$109.00	$13,080.00	$92.00	$11,040.00
3G	Concrete Walkway Corner Repair "Type 1"	1	UN	$10,000.00	$10,000.00	$7,250.00	$7,250.00	$5,600.00	$5,600.00	$5,500.00	$5,500.00
4	Apply Epoxy Coating to Dry Well Floor and Walls	1	LS	$10,000.00	$10,000.00	$8,175.00	$8,175.00	$10,000.00	$10,000.00	$10,000.00	$10,000.00
5	Remove and Replace Damaged Block from CMU Liner in Flash Mixer Basins	15	SF	$500.00	$7,500.00	$400.00	$6,000.00	$800.00	$12,000.00	$800.00	$12,000.00
6	Furnish and Install Flocculator Mechanisms and Drive - Complete	2	UN	$225,000.00	$450,000.00	$175,000.00	$350,000.00	$232,000.00	$464,000.00	$237,500.00	$475,000.00

ENVIRONMENTAL RESOLUTIONS INC. SUMMARY OF BIDS Bid Opening 11/21/2024 @ 10:00 AM				WATER TREATMENT PLANT FLOCCULATOR REHABILITATION BURLINGTON CITY BURLINGTON COUNTY, NJ 40008 43							
				Engineer's Estimate		Sovereign Consulting Inc.		Municipal Maintenance Company		MBE Mark III	
						111-A North Gold Drive Robbinsville, NJ 08691 P: 609-433-9849 F: NO FAX		1352 Taylors Lane Cinnaminson, NJ 08077 P: 856-786-9434 F: 856-786-0642		213 Main Street Madison, NJ 07940 P: 973-377-9240 F: 973-377-7840	
NO	DESCRIPTION	QTY	UNIT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT
7	Remove and Replace Baffle Wall Boards in Flocculator Basins (if and where directed)	170	LF	$75.00	$12,750.00	$60.00	$10,200.00	$80.00	$13,600.00	$175.00	$29,750.00
8	Remove and Replace Flash Mixers	2	UN	$60,000.00	$120,000.00	$50,000.00	$100,000.00	$50,000.00	$100,000.00	$42,500.00	$85,000.00
9	Remove and Replace Baffle Walls in Flash Mixer Basins	4	UN	$2,500.00	$10,000.00	$1,000.00	$4,000.00	$5,000.00	$20,000.00	$3,000.00	$12,000.00
10	Remove and Replace Mud Valves and Extension Stems	2	UN	$10,000.00	$20,000.00	$12,500.00	$25,000.00	$12,000.00	$24,000.00	$11,250.00	$22,500.00
11	Disinfection, Testing and Startup										
11A	Flocculator Basins	2	UN	$2,000.00	$4,000.00	$1,500.00	$3,000.00	$2,500.00	$5,000.00	$2,500.00	$5,000.00
11B	Flash Mixer Basins	2	UN	$1,000.00	$2,000.00	$1,500.00	$3,000.00	$2,500.00	$5,000.00	$2,500.00	$5,000.00
12	Unforseen Conditions (if and where directed)	ALLOWANCE		$5,000.00	$5,000.00	$5,000.00		$5,000.00		$5,000.00	
	TOTAL BASE BID PRICE			**$750,250.00**		**$614,500.00**		**$769,715.00**		**$762,390.00**	
ALTERNATE #1											
A5	Demolish and Reconstruct CMU Liner in Flash Mixer Basins, Complete	2	UN	$15,000.00	$30,000.00	$8,000.00	$16,000.00	$24,400.00	$48,800.00	$30,000.00	$60,000.00
5	Remove and Replace Damaged Block from CMU Liner in Flash Mixer Basins	-15	SF	$500.00	($7,500.00)	$400.00	($6,000.00)	$800.00	($12,000.00)	$800.00	($12,000.00)
	TOTAL BASE BID PRICE			**$22,500.00**		**$10,000.00**		**$36,800.00**		**$48,000.00**	
	TOTAL BASE BID + ALTERNATE #1			**$772,750.00**		**$624,500.00**		**$806,515.00**		**$810,390.00**	

ENVIRONMENTAL RESOLUTIONS INC. SUMMARY OF BIDS Bid Opening 11/21/2024 @ 10:00 AM				WATER TREATMENT PLANT FLOCCULATOR REHABILITATION BURLINGTON CITY BURLINGTON COUNTY, NJ 40008 43							
				Clyde N. Lattimer & Son		Rapid Pump & Meter Service Co.		C. Stevenson & Son, Inc.		Derstine Company, LLC	
				228 North Route 73 Berlin, NJ 08009 P: 856-768-3700 F: 856-768-1104		285 Straight Street PO Box AY Paterson, NJ 07509 P: 973-345-5600 F: 973-345-0301		950 Mt. Holly Road Edgewater Park, NJ 08010 P: 609-871-1666 F: 609-871-2987		320 Cowpath Road Souderton, PA 18964 P: 215-723-4798 F: 215-723-6081	
NO	DESCRIPTION	QTY	UNIT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT
BASE BID											
1	Drain, Clean, and Isolate Flocculation Basin	2	UN	$500.00	$1,000.00	$8,800.00	$17,600.00				
2	Remove and Dispose of Existing Flocculator Mechanism	2	UN	$25,000.00	$50,000.00	$42,000.00	$84,000.00				
3	Inspect and Repair Concrete in Flocculation Basins										
3A	Concrete Repair, Type A	30	SF	$125.00	$3,750.00	$75.00	$2,250.00				
3B	Concrete Repair, Type B	30	SF	$225.00	$6,750.00	$205.00	$6,150.00				
3C	Concrete Repair, Type C	10	CF	$475.00	$4,750.00	$610.00	$6,100.00				
3D	Concrete Repair, Type D	10	SF	$675.00	$6,750.00	$250.00	$2,500.00				
3E	Sealant Repair	35	LF	$90.00	$3,150.00	$70.00	$2,450.00				
3F	Crack Injector	120	LF	$95.00	$11,400.00	$121.00	$14,520.00				
3G	Concrete Walkway Corner Repair "Type 1"	1	UN	$5,000.00	$5,000.00	$11,475.00	$11,475.00				
4	Apply Epoxy Coating to Dry Well Floor and Walls	1	LS	$5,900.00	$5,900.00	$39,015.00	$39,015.00				
5	Remove and Replace Damaged Block from CMU Liner in Flash Mixer Basins	15	SF	$200.00	$3,000.00	$725.00	$10,875.00				
6	Furnish and Install Flocculator Mechanisms and Drive - Complete	2	UN	$274,275.00	$548,550.00	$225,000.00	$450,000.00				

ENVIRONMENTAL RESOLUTIONS INC. SUMMARY OF BIDS Bid Opening 11/21/2024 @ 10:00 AM				WATER TREATMENT PLANT FLOCCULATOR REHABILITATION BURLINGTON CITY BURLINGTON COUNTY, NJ 40008 43							
				Clyde N. Lattimer & Son		Rapid Pump & Meter Service Co.		C. Stevenson & Son, Inc.		Derstine Company, LLC	
				228 North Route 73 Berlin, NJ 08009 P: 856-768-3700 F: 856-768-1104		285 Straight Street PO Box AY Paterson, NJ 07509 P: 973-345-5600 F: 973-345-0301		950 Mt. Holly Road Edgewater Park, NJ 08010 P: 609-871-1666 F: 609-871-2987		320 Cowpath Road Souderton, PA 18964 P: 215-723-4798 F: 215-723-6081	
NO	DESCRIPTION	QTY	UNIT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT
7	Remove and Replace Baffle Wall Boards in Flocculator Basins (if and where directed)	170	LF	$100.00	$17,000.00	$232.00	$39,440.00				
8	Remove and Replace Flash Mixers	2	UN	$40,000.00	$80,000.00	$42,000.00	$84,000.00				
9	Remove and Replace Baffle Walls in Flash Mixer Basins	4	UN	$1,000.00	$4,000.00	$13,750.00	$55,000.00				
10	Remove and Replace Mud Valves and Extension Stems	2	UN	$13,000.00	$26,000.00	$10,500.00	$21,000.00				
11	**Disinfection, Testing and Startup**										
11A	Flocculator Basins	2	UN	$500.00	$1,000.00	$3,915.00	$7,830.00				
11B	Flash Mixer Basins	2	UN	$500.00	$1,000.00	$3,915.00	$7,830.00				
12	Unforseen Conditions (if and where directed)	ALLOWANCE		$5,000.00		$5,000.00					
	TOTAL BASE BID PRICE			**$784,000.00**		**$867,035.00**		**NO BID**		**NO BID**	
ALTERNATE #1											
A5	Demolish and Reconstruct CMU Liner in Flash Mixer Basins, Complete	2	UN	$30,000.00	$60,000.00	$11,200.00	$22,400.00				
5	Remove and Replace Damaged Block from CMU Liner in Flash Mixer Basins	-15	SF	$200.00	($3,000.00)	$725.00	($10,875.00)				
	TOTAL BASE BID PRICE			**$57,000.00**		**$11,525.00**		**NO BID**		**NO BID**	
	TOTAL BASE BID + ALTERNATE #1			**$841,000.00**		**$878,560.00**		**NO BID**		**NO BID**	

ENVIRONMENTAL RESOLUTIONS INC. SUMMARY OF BIDS Bid Opening 11/21/2024 @ 10:00 AM				WATER TREATMENT PLANT FLOCCULATOR REHABILITATION BURLINGTON CITY BURLINGTON COUNTY, NJ 40008 43							
				Dodge Construction Network		JVS Industrial & Commercial Contractors, Inc.		Spectraserv, Inc.		Sub-Level Installations, Inc.	
				2860 S State Highway 161, Suite 160 #501 Grand Prairie, TX 75052-7361 P: 844-326-3826 F: NO FAX		154 Silver Lake Avenue Edison, NJ 08817 P: 732-543-2777 F: 732-543-2775		75 Jacobus Avenue South Kearny, NJ 07032 P: 973-589-0277 F: 973-589-0415		PO Box 698 Mount Laurel, NJ 08054 P: 609-513-0195 F: 609-257-6059	
NO	DESCRIPTION	QTY	UNIT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT
BASE BID											
1	Drain, Clean, and Isolate Flocculation Basin	2	UN								
2	Remove and Dispose of Existing Flocculator Mechanism	2	UN								
3	**Inspect and Repair Concrete in Flocculation Basins**										
3A	Concrete Repair, Type A	30	SF								
3B	Concrete Repair, Type B	30	SF								
3C	Concrete Repair, Type C	10	CF								
3D	Concrete Repair, Type D	10	SF								
3E	Sealant Repair	35	LF								
3F	Crack Injector	120	LF								
3G	Concrete Walkway Corner Repair "Type 1"	1	UN								
4	Apply Epoxy Coating to Dry Well Floor and Walls	1	LS								
5	Remove and Replace Damaged Block from CMU Liner in Flash Mixer Basins	15	SF								
6	Furnish and Install Flocculator Mechanisms and Drive - Complete	2	UN								

ENVIRONMENTAL RESOLUTIONS INC. SUMMARY OF BIDS Bid Opening 11/21/2024 @ 10:00 AM				WATER TREATMENT PLANT FLOCCULATOR REHABILITATION BURLINGTON CITY BURLINGTON COUNTY, NJ 40008 43							
				Dodge Construction Network		JVS Industrial & Commercial Contractors, Inc.		Spectraserv, Inc.		Sub-Level Installations, Inc.	
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NO	DESCRIPTION	QTY	UNIT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT
7	Remove and Replace Baffle Wall Boards in Flocculator Basins (if and where directed)	170	LF								
8	Remove and Replace Flash Mixers	2	UN								
9	Remove and Replace Baffle Walls in Flash Mixer Basins	4	UN								
10	Remove and Replace Mud Valves and Extension Stems	2	UN								
11	**Disinfection, Testing and Startup**										
11A	Flocculator Basins	2	UN								
11B	Flash Mixer Basins	2	UN								
12	Unforseen Conditions (if and where directed)	ALLOWANCE									
TOTAL BASE BID PRICE				**NO BID**		**NO BID**		**NO BID**		**NO BID**	
ALTERNATE #1											
A5	Demolish and Reconstruct CMU Liner in Flash Mixer Basins, Complete	2	UN								
5	Remove and Replace Damaged Block from CMU Liner in Flash Mixer Basins	-15	SF								
TOTAL BASE BID PRICE				**NO BID**		**NO BID**		**NO BID**		**NO BID**	
TOTAL BASE BID + ALTERNATE #1				**NO BID**		**NO BID**		**NO BID**		**NO BID**	

ENVIRONMENTAL RESOLUTIONS INC. SUMMARY OF BIDS Bid Opening 11/21/2024 @ 10:00 AM				WATER TREATMENT PLANT FLOCCULATOR REHABILITATION BURLINGTON CITY BURLINGTON COUNTY, NJ 40008 43							
				Thomas P. Carney, Inc.		Construct Connect					
				2490 Village Road Langhorne, PA 19047 P: 609-685-6033 F: 215-860-2743		3825 Edwards Road, Suite 700 Cincinnati, OH 45209 P: 800-364-2059 F: 1-866-570-8187					
NO	DESCRIPTION	QTY	UNIT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT
BASE BID											
1	Drain, Clean, and Isolate Flocculation Basin	2	UN								
2	Remove and Dispose of Existing Flocculator Mechanism	2	UN								
3	Inspect and Repair Concrete in Flocculation Basins										
3A	Concrete Repair, Type A	30	SF								
3B	Concrete Repair, Type B	30	SF								
3C	Concrete Repair, Type C	10	CF								
3D	Concrete Repair, Type D	10	SF								
3E	Sealant Repair	35	LF								
3F	Crack Injector	120	LF								
3G	Concrete Walkway Corner Repair "Type 1"	1	UN								
4	Apply Epoxy Coating to Dry Well Floor and Walls	1	LS								
5	Remove and Replace Damaged Block from CMU Liner in Flash Mixer Basins	15	SF								
6	Furnish and Install Flocculator Mechanisms and Drive - Complete	2	UN								

ENVIRONMENTAL RESOLUTIONS INC. SUMMARY OF BIDS Bid Opening 11/21/2024 @ 10:00 AM				WATER TREATMENT PLANT FLOCCULATOR REHABILITATION BURLINGTON CITY BURLINGTON COUNTY, NJ 40008 43							
				Thomas P. Carney, Inc.		Construct Connect					
				2490 Village Road Langhorne, PA 19047 P: 609-685-6033 F: 215-860-2743		3825 Edwards Road, Suite 700 Cincinnati, OH 45209 P: 800-364-2059 F: 1-866-570-8187					
NO	DESCRIPTION	QTY	UNIT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT	UNIT PR.	AMOUNT
7	Remove and Replace Baffle Wall Boards in Flocculator Basins (if and where directed)	170	LF								
8	Remove and Replace Flash Mixers	2	UN								
9	Remove and Replace Baffle Walls in Flash Mixer Basins	4	UN								
10	Remove and Replace Mud Valves and Extension Stems	2	UN								
11	Disinfection, Testing and Startup										
11A	Flocculator Basins	2	UN								
11B	Flash Mixer Basins	2	UN								
12	Unforseen Conditions (if and where directed)	ALLOWANCE									
	TOTAL BASE BID PRICE			**NO BID**		**NO BID**					
ALTERNATE #1											
A5	Demolish and Reconstruct CMU Liner in Flash Mixer Basins, Complete	2	UN								
5	Remove and Replace Damaged Block from CMU Liner in Flash Mixer Basins	-15	SF								
	TOTAL BASE BID PRICE			**NO BID**		**NO BID**					
	TOTAL BASE BID + ALTERNATE #1			**NO BID**		**NO BID**					

RESOLUTION NO. 245-2024 OF THE COMMON COUNCIL OF THE CITY OF BURLINGTON AWARDING A CONTRACT TO VANASSE HANGEN BRUSTLIN, INC. FOR PROFESSIONAL ENVIRONMENTAL SERVICES AT THE US PIPE & FOUNDRY/MCNEAL MANSION

WHEREAS, the City of Burlington (the "City") is organized as a Mayor-Council form of government pursuant to the Optional Municipal Charter Law, N.J.S.A. 40:69A; and

WHEREAS, the City owns certain real property located at 701, 801, 851 & 1101 East Pearl Street, City of Burlington, County of Burlington, State of New Jersey being Block 203, Lots 1 and 2.02; Block 226, Lots 1.02, 1.03, 1.05, 1.06, 1.07, 1.08, and 1.10; and Block 207, Lot 1.01 on the Tax Map for the City of Burlington (the "Site"); and

WHEREAS, the City received a Hazardous Discharge Site Remediation Grant for Remedial Investigation for the Site; and

WHEREAS, the City wishes to retain Vanasse Hangen Brustlin, Inc. ("VHB") to complete the certain tasks associated with the Remedial Investigation scope of work pursuant to VHB's proposal dated November 26, 2024; and

WHEREAS, the Common Council wishes to award the aforementioned contract to VHB in an amount not to exceed $548,287.00.

NOW THEREFORE, BE IT RESOLVED by the Common Council of the City of Burlington as follows:

1. The contract for services related to professional environmental services at the Site is hereby awarded to Vanasse Hangen Brustlin, Inc., in the amount of $548,287.00, to be funded with grant monies provided from the Hazardous Discharge Site Remediation Fund.

2. The Mayor and City Clerk are hereby authorized to execute any and all documents necessary to facilitate this award of contract.

_____
George Chachis, President
Common Council

Attest:

_____
Cindy A. Crivaro, RMC
City Clerk

December 10, 2024

RESOLUTION NO. 245-2024

RECORD OF VOTE OF PASSAGE BY THE COMMON COUNCIL						
	MOTION	SECOND	YES	NO	ABSTAIN	ABSENT
BALLARD						
BERGNER-THOMPSON						
HUTTON						
RIJS						
SPAULDING						
WOODARD						
CHACHIS						

4

CITY OF BURLINGTON

RESOLUTION/ORDINANCE REQUEST FORM

	Council Meeting Date: 12-10-24

TO: Johanna S. Conyer, Business Administrator

FROM:

DATE:

DEPARTMENT REQUESTING RESOLUTION/ORDINANCE:

TITLE OF RESOLUTION/ORDINANCE:

Enter into a Contract with VHB for Professional Environmental Services at the US Pipe & Foundry/McNeal Mansion

BRIEF DESCRIPTION OF ACTION:

The City of Burlington received a Hazardous Discharge Site Remediation Grant for $558,787.79 for Site and Remedial Investigation at the US Pipe & Foundry/McNeal Mansion and has engaged VHB to perform the services described in the attached scope of services.

BIDDING PROCESS (*If applicable*)**:** N/A (Professiona Services)

APPROPRIATION ACCOUNT TO BE CHARGED (*If applicable*)**:** Hazardous Discharge Remediation Grant

AMOUNT OF PROPOSED CONTRACT *(If applicable)**:*** $548,287

Contact Person ***(Please Print)*** Extension # DATE

Approved by Business Administrator: _____ _____
Date Signature

☐ Certification of Funds Needed

Please note that the Contact Person is the point person for providing pertinent information regarding request.

******Please attach all supporting documents******

732.223.2225
www.vhb.com
Engineers | Scientists | Planners | Designers

1805 Atlantic Avenue
Manasquan, New Jersey 08736

Client Authorization

☐ **New Contract** **Date** November 26, 2024

☒ **Amendment No. 1** **Proposal No.** 21520.01

Project Name HDSRF Application, Site Investigation and Remedial Investigation – US Pipe/McNeal Mansion Redevelopment

To: City of Burlington
Attn: Johanna Conyer
Business Administrator
City Hall Municipal Offices
525 High Street
Burlington, New Jersey 08016

E-mail: jconyer@burlingtonnj.us

Phone No: 609-386-0200 Ext. 133

	Cost Estimate	
	Amendment	**Contract Total**
VHB Labor	$139,350.00	
VHB Expenses	$408,937.89	
TOTAL	$548,287.89	

☐ Lump Sum ☒ Time & Expenses

☐ Cost + Fixed Fee ☐ Labor Multiplier

Estimated Date of Completion:

Scope of Services: As requested by Burlington City, Vanasse Hangen Brustlin, Inc. (VHB) has prepared this Client Authorization for Site Investigation and Remedial Investigation activities at the Former US Pipe & Foundry/McNeal Mansion Site. The scope of work (SOW) is presented in **Attachment 1** - VHB Proposal and Cost Estimate, dated November 26, 2024.

Prepared By: Sergio Rojas, LSRP **Document Approval:** John Checchio, Senior Technical Advisor

Please execute this Client Authorization for VHB to proceed with the above scope of services at the stated cost. No services will be provided until it is signed and returned to VHB.

☐ Subject to attached terms & conditions.

☒ Subject to terms & conditions in our original agreement dated December 23, 2021.

Vanasse Hangen Brustlin, Inc. Authorization

By _____

Print _____

Title _____

Date _____

Client Authorization ***(Please sign original and return)***

By _____

Print _____

Title _____

Date _____

ATTACHMENT 1

November 26, 2024

City of Burlington
Attn: Ms. Johanna Conyer
Business Administrator
City Hall Municipal Offices
525 High Street
Burlington, New Jersey 08016

Re: Proposal for Professional Environmental Services
US Pipe & Foundry/McNeal Mansion Redevelopment
East Pearl Street
Block 226, Lots 1.02, 1.03, 1.05, 1.06, 1.07, 1.08, and 1.10; Block 203, Lots 1 and 2.02
Burlington City, Burlington County, New Jersey 08016
Program Interest Nos. 000825, 013035, 546167, 706477, 797320
VHB Project No. 21520.01
Amendment No. 1

Dear Ms. Conyer:

Vanasse Hangen Brustlin, Inc. (VHB) is pleased to provide the City of Burlington (herein referred to as the Client) this proposal for Professional Environmental Services at the US Pipe & Foundry/McNeal Mansion Redevelopment property located at East Pearl Street in Burlington, Burlington County, New Jersey (herein referred to as the Site). VHB will also prepare a Hazardous Discharge Site Remediation Fund (HDSRF) Application to assist the City of Burlington in the effort to obtain funding for the below Scope of Work. VHB will prepare the necessary HDSRF Application for the Site, including the Site Investigation (SI) and Remedial Investigation (RI) of potential areas of concern (AOCs) identified in the Preliminary Assessment Report (PAR) prepared by VHB, dated May 10, 2023 and limited SI activities including a geophysical investigation and soil sampling.

Details regarding the proposed Scope of Work and Cost Estimate are as follows:

Proposed Scope of Work

Task 1.0: Project Management, Mobilization, and Public Notification

Project management and mobilization will include organization of project staff, equipment, and other preparatory measures for the efficient completion of the project scope. Staff members and subcontractors will be selected and briefed on project goals and activities, and necessary equipment and information will be prepared for use in the field. As part of this task, VHB will update the site-specific Health and Safety

1805 Atlantic Avenue
Manasquan, New Jersey 08736
P 732.223.2225

Plan (HASP) for use by VHB personnel; the HASP will meet the requirements of the OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) Standard at 29 Code of Federal Regulations (CFR) 1910.120.

VHB's activities will be conducted in general accordance with the New Jersey Department of Environmental Protection (NJDEP) Technical Requirements (N.J.A.C. 7:26E, last amended August 6, 2018), the NJDEP Vapor Intrusion Technical Guidance Version 5.0, dated May 2021, the NJDEP Field Sampling Procedures Manual, dated August 2005 (with select chapters recently updated in 2022), and applicable NJDEP guidance.

As part of the requirements of the Site Remediation Reform Act (SRRA), Notification and Public Outreach requirements as specified in the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS) at N.J.A.C. 7:26C 1:7 et seq. are required whenever RI and/or Remedial Action (RA) is to be performed at a site. VHB will implement these requirements including placement of a sign, measuring two feet by three feet, at the Site explaining that RI is being performed and will provide contact information. A Public Notification and Outreach Form will be completed for submittal to the NJDEP.

Task 2.0: Site Investigation/Remedial Investigation Activities

Task 2.1: Potential UST North of Machine Shop No. 1 Soil Sampling

VHB will observe the installation of four soil borings around a potential underground storage tank (UST) located north of Machine Shop No. 1 that was identified during the geophysical investigation conducted by VHB in October 2021. VHB will utilize visual, olfactory, and photoionization detection (PID) screening methods to field screen soils. VHB will collect one soil sample from each soil boring at the depth of the suspected invert of the UST or where soil contamination is identified. Four soil samples will be submitted to a New Jersey-certified laboratory and analyzed for Extractable Petroleum Hydrocarbons (EPH) Category 2, Target Compound List (TCL)/Target Analyte List (TAL) plus a 30 peak library search (TCL/TAL+30), and hexavalent chromium. No Quality Assurance/Quality Control (QA/QC) samples are proposed to be collected. For estimating purposes, VHB assumes that soil borings will not exceed a depth of 20 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

Investigative derived waste (IDW), including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.2: Potential USTs Southeast of Carriage House Soil Sampling

VHB will observe the installation of eight soil borings around two potential USTs located southeast of the Carriage House as shown on the 1946 Sanborn Map. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one soil sample from each soil boring at the depth of the suspected invert of the UST or where soil contamination is identified. Eight soil samples will be submitted to a New Jersey-certified laboratory and analyzed for EPH Category 2, TCL/TAL+30, and hexavalent

chromium. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that soil borings will not exceed a depth of 20 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.3: Suspected 275-Gallon Heating Oil Above-Ground Storage Tank (AST)

VHB will install one soil boring beneath the former location of a suspected 275-gallon heating oil AST located south of the garage structure. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one surficial soil sample from the soil boring directly beneath the former suspected 275-gallon heating oil AST location. One surficial soil sample will be submitted to a New Jersey-certified laboratory and analyzed for EPH Category 1 with contingency analysis for naphthalene and 2-methyl naphthalene. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that the soil boring will not exceed a depth of 5 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.4: Carriage House Sump Pit Soil Sampling

VHB will install two soil borings through suspected sump pits (one boring per pit) northwest of the Carriage House. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one surficial soil sample from each soil boring. Two surficial soil samples will be submitted to a New Jersey-certified laboratory and analyzed for EPH Category 2, TCL/TAL+30, and hexavalent chromium. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that the soil borings will not exceed a depth of 5 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.5: Carriage House Transformer Area Soil Sampling

VHB will observe the installation of five soil borings around an area of transformers located between the Carriage House and shed structure. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one surficial soil sample and one deeper soil sample from each soil boring. Five surficial soil samples will be submitted to a New Jersey-certified laboratory and analyzed for EPH Category 2 and polychlorinated biphenyls (PCBs) with contingency analysis for polycyclic aromatic hydrocarbons (PAHs). The five deeper soil samples will be submitted to a New Jersey-certified laboratory for contingency analysis for EPH Category 2, PCBs, and PAHs based on the results of the surficial sample results. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that soil

borings will not exceed a depth of 10 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.6: Water Treatment Plant Transformer Area Soil Sampling

VHB will observe the installation of four soil borings around a transformer area southeast of the water treatment plant. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one surficial soil sample and one deeper soil sample from each soil boring. Four surficial soil samples will be submitted to a New Jersey-certified laboratory and analyzed for EPH Category 2 and PCBs with contingency analysis for PAHs. The four deeper soil samples will be submitted to a New Jersey-certified laboratory for contingency analysis for EPH Category 2, PCBs, and PAHs. No QA/QC samples are proposed to be collected based on the results of the surficial sample results. For estimating purposes, VHB assumes that soil borings will not exceed a depth of 10 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.7: Historic Fill Area Soil Sampling

VHB will observe the installation of four soil borings per acre across the Site to investigate the presence and potential impacts from Historic Fill material. In total, 110 soil borings will be installed across the Site. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one soil sample from each soil boring at the depth of identified historic fill material based on visual observation. 82 soil samples (75 percent of soil samples collected) will be submitted to a New Jersey-certified laboratory and analyzed for PAHs, TAL Metals, and hexavalent chromium. 28 soil samples (25 percent of soil samples collected) will be submitted to a New Jersey-certified laboratory and analyzed for EPH Category 2, TCL/TAL+30, and hexavalent chromium. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that soil borings will not exceed a depth of 20 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.8: PCB Impacted Soil Sampling

VHB will observe the installation of five soil borings in an area of PCB-impacted soil identified by RT Environmental during previous due diligence investigations. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one soil sample from each soil boring to attempt to horizontally and vertically delineate the PCB-impacted soil. Five soil samples will be submitted to a New Jersey-certified laboratory and analyzed for PCBs. No QA/QC samples are proposed to be collected. For

estimating purposes, VHB assumes that soil borings will not exceed a depth of 10 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.9: Parts Washer Soil Sampling

VHB will observe the installation of five soil borings around a parts washer located in the storage shed located north of the former Quality Control Lab. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one soil sample from each soil boring where evidence of soil contamination is identified or the six-inch interval above groundwater. Five soil samples will be submitted to a New Jersey-certified laboratory and analyzed for EPH Category 2, TCL/TAL+30, and hexavalent chromium. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that soil borings will not exceed a depth of 20 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.10: Interior Staining Soil Sampling

VHB will observe the installation of 30 soil borings throughout structures across the Site where staining was observed on concrete slabs with a potential pathway to contaminate soil beneath the concrete slab. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one soil sample from each soil boring directly beneath the concrete slab. 30 soil samples will be submitted to a New Jersey-certified laboratory and analyzed for EPH Category 2, TCL/TAL+30, and hexavalent chromium. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that soil borings will not exceed a depth of 10 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.11: Rail Lines/Spurs/Sidings Sampling

VHB will observe the installation of 35 soil borings at abandoned rail lines, spurs, and sidings located across the Site. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one surficial soil sample from each soil boring. 35 soil samples will be submitted to a New Jersey-certified laboratory and analyzed for PCBs, PAHs, TAL Metals, and hexavalent chromium. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that soil borings will not exceed a depth of 5 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.12: Interior Floor Drains/Trenches/Pits Soil Sampling

VHB will observe the installation of 30 soil borings adjacent to interior floor drains, trenches, and pits where staining was observed with a potential pathway to contaminate soil beneath the floor drains, trenches, and pits. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one soil sample from each soil boring at the depth corresponding to the invert of the floor drains, trenches, and pits. 30 soil samples will be submitted to a New Jersey-certified laboratory and analyzed for EPH Category 2, TCL/TAL+30, and hexavalent chromium. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that soil borings will not exceed a depth of 20 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.13: Soil Vapor Sampling

VHB will observe the installation of 40 soil vapor points across the Site including sub slab soil vapor points through the slab of existing structures to remain following redevelopment and near slab soil vapor points from areas of proposed redevelopment areas. VHB will collect one soil gas sample from each soil vapor point. 40 soil gas samples will be submitted to a New Jersey-certified laboratory and analyzed for Volatile Organic Compounds (VOCs) plus a 15 peak library search (TO+15). No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that soil vapor points will not exceed a depth of 20 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.14: Potential DNPAL Area MIP Investigation

VHB will observe the installation of approximately 35 membrane interface probe (MIP) borings in the area of potential dense non-aqueous phase liquids (DNAPL) located northwest of the Carriage House and northeast of the McNeal Mansion. Each soil boring will be evaluated utilizing MIP technology to screen soils for VOCs. For estimating purposes, VHB assumes that MIP borings will not exceed a depth of 30 feet below grade. The collected MIP data will be interpreted and utilized to determine a detailed soil sampling plan.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.15: Potential DNAPL Area Soil Sampling

VHB will observe the installation of 20 soil borings in the area of potential DNAPL located northwest of the Carriage House and northeast of the McNeal Mansion. VHB will utilize visual, olfactory, and PID screening methods to field screen soils. VHB will collect one shallow soil sample, one intermediate soil sample, and one deep soil sample from each soil boring at the depth determined by the MIP investigation findings. 20 shallow soil samples will be submitted to a New Jersey-certified laboratory and analyzed for TCL VO+15. 20 intermediate soil samples will be submitted to a New Jersey-certified laboratory for TCL VO+15 contingency analysis. 20 deep soil samples will be submitted to a New Jersey-certified laboratory for TCL VO+15 contingency analysis. No QA/QC samples are proposed to be collected. For estimating purposes, VHB assumes that soil borings will not exceed a depth of 20 feet below grade and that samples will be analyzed on a standard turnaround timeframe.

IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.

Task 2.16: Site Investigation/Remedial Investigation Report

The findings of the soil, building material, and vapor intrusion site investigations/remedial investigations will be summarized in a Site Investigation/Remedial Investigation Report (SI/RIR). The SI/RIR will include tabulated laboratory analytical data compared to the applicable NJDEP standards and figures depicting the soil, building material, and vapor intrusion sample locations. The following documents will also be submitted with the SI/RIR: an Authorization to Submit a Report/Form Through NJDEP Online Form, Cover/Certification Form, the online RIR Form, a Case Inventory Document (CID), and an initial Receptor Evaluation Form.

Cost Estimate and Payment Terms

VHB will conduct the above Scope of Work on a Time and Materials basis using the professional hourly rates on the attached **Cost Estimate Table**.

Stated Assumptions

1. Client will arrange for and provide unobstructed access to conduct the Scope of Work described herein during normal business hours.
2. The tasks associated with this Scope of Work will be conducted within 44 field days. If additional time is required to complete the task, fees will be applied at the quoted hourly and/or daily rates.
3. Companies contracted by VHB will be considered subcontractors and/or subconsultants and will be invoiced at cost plus a 15% administrative fee.

4. Standard laboratory turnaround time is 10 business days. Turnaround time begins when samples are logged-in at the laboratory. Samples received after 5:00 p.m. will be logged in the following business day.
5. IDW, including soil cuttings, may be containerized in 55-gallon steel drums and temporarily staged on Site for future off-site disposal. Costs for characterization and disposal of the IDW are not included.
6. The proposed Scope of Work and Cost Estimate contains no contingencies for costs or delays that may result from severe weather conditions, regulatory delays or any other conditions beyond VHB's control.
7. The fee provided addresses only the specific scope items set forth herein and assumes that the scope required will be as specifically set forth in this proposal, that once the analysis begins there would be no changes to the project program that require changes to our work, no delays beyond our control would require us to redo work performed, and the analysis methodologies and assumptions do not change. Should any of the above occur, a Contract Amendment would be prepared for your review and authorization.
8. Work outside the scope presented herein will be invoiced at the following professional hourly rates: Senior Technical Advisor at $230.00, Licensed Site Remediation Professional at $240.00, Senior Project Manager at $180.00-$200.00, Project Manager at $140.00-$155.00, Staff/Field Scientist at $105.00-$130.00, GIS/CAD operator at $115.00, and administrative/technical support at $65.00.
9. Fees to governmental agencies, including (but not limited to) LSRP fees, NJDEP fees, municipal or county permit fees, bonds, and file reproduction and/or search fees, have not been included in this Authorization. Fees are the responsibility of the Client.
10. The fee estimated for the proposed Scope of Work is valid for 60 days from the date of the attached Client Authorization form.

UTILITY MARKOUT

As required by law, VHB or its subcontractor will obtain a utility markout from New Jersey One Call (NJOC) prior to drilling or performing subsurface work. NJOC is a free service provided by the State of New Jersey. In some instances, markouts of some utilities are only identified at the curbline of the property or not identified at all. Water, sewer, and electrical lines installed by the property owner are usually not identified by the NJOC markout system. It is the Client's responsibility to identify the location of utilities not marked by NJOC. VHB assumes no responsibility for the location of or damage to underground utilities or equipment not clearly marked out prior to commencement of Professional Services at the Site.

If you would like to proceed with the Scope of Work as outlined herein, please sign the Client Authorization form to acknowledge acceptance of the above scope of work and return to our office via email. If you have any questions, I can be reached at 732-223-2225.

Sincerely,

Vanasse Hangen Brustlin, Inc.

Sergio Rojas, LSRP
Senior Project Manager

Cost Estimate Table
US Pipe and Foundry
East Pearl Street
Burlington City, Burlington County, New Jersey

Task	Rate	Units	VHB Labor Cost	VHB Expense
Task 1: Project Management, Mobilization, and Public Notification				
VHB Labor				
Senior Technical Advisor	$ 230.00	50 hour	$ 11,500.00	
LSRP	$ 240.00	100 hour	$ 24,000.00	
Project Manager	$ 140.00	100 hour	$ 14,000.00	
Environmental Scientist	$ 105.00	100 hour	$ 10,500.00	
VHB Equipment/Materials				
Field Vehicle (bare)	$ 100.00	1 day		$ 100.00
Public Notification Sign	$ 750.00	1 event		$ 750.00
		Task 1 Total:	**$ 60,000.00**	**$ 850.00**
Task 2 : Site Investigation/Remedial Investigation Activties				
Potential UST North of Machine Shop No. 1 Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	10 hour	$ 1,050.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	1 day		$ 250.00
Contractors				
GeoProbe Driller	$ 3,500.00	1 event		$ 3,500.00
Utility Scan	$ 2,250.00	0.5 event		$ 1,125.00
Laboratory Analysis, EPH Cat 2	$ 194.09	4 each		$ 776.37
Laboratory Analysis, TCL/TAL+30	$ 796.15	4 each		$ 3,184.58
Contingency Laboratory Analysis, Hexavalent Chromium	$ 105.08	4 each		$ 420.33
		Subtotal:	**$ 1,050.00**	**$ 9,256.27**
Potential USTs Southeast of Carriage House Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	10 hour	$ 1,050.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	1 day		$ 250.00
Contractors				
GeoProbe Driller	$ 3,500.00	1 event		$ 3,500.00
Utility Scan	$ 2,250.00	0.5 event		$ 1,125.00
Laboratory Analysis, EPH Cat 2	$ 194.09	8 each		$ 1,552.73
Laboratory Analysis, TCL/TAL+30	$ 796.15	8 each		$ 6,369.16
Contingency Laboratory Analysis, Hexavalent Chromium	$ 105.08	8 each		$ 840.65
		Subtotal:	**$ 1,050.00**	**$ 13,637.54**
Suspected 275-Gallon Heating Oil AST				
VHB Labor				
Environmental Scientist	$ 105.00	10 hour	$ 1,050.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	1 day		$ 250.00
Contractors				
Laboratory Analysis, EPH Cat 1	$ 194.09	1 each		$ 194.09
Contingency Laboratory Analysis, Naphthalene and 2-Methtyl Naphthalene	$ 154.53	1 each		$ 154.53
		Subtotal:	**$ 1,050.00**	**$ 598.62**
Carriage House Sump Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	10 hour	$ 1,050.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	1 day		$ 250.00
Contractors				
Laboratory Analysis, EPH Cat 2	$ 194.09	2 each		$ 388.18
Laboratory Analysis, TCL/TAL+30	$ 796.15	2 each		$ 1,592.29
Contingency Laboratory Analysis, Hexavalent Chromium	$ 105.08	2 each		$ 210.16
		Subtotal:	**$ 1,050.00**	**$ 2,440.64**

Cost Estimate Table
US Pipe and Foundry
East Pearl Street
Burlington City, Burlington County, New Jersey

Task	Rate	Units	VHB Labor Cost	VHB Expense
Carriage House Transformer Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	10 hour	$ 1,050.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	1 day		$ 250.00
Contractors				
GeoProbe Driller	$ 3,500.00	1 event		$ 3,500.00
Utility Scan	$ 2,250.00	0.5 event		$ 1,125.00
Laboratory Analysis, EPH Cat 2 (Shallow)	$ 194.09	5 each		$ 970.46
Laboratory Analysis, PCBs (Shallow)	$ 100.14	5 each		$ 500.68
Contingency Laboratory Analysis, PAHs (Shallow)	$ 174.31	5 each		$ 871.56
Contingency Laboratory Analysis, EPH Cat 2 (Deep)	$ 194.09	5 each		$ 970.46
Contingency Laboratory Analysis, PCBs (Deep)	$ 100.14	5 each		$ 500.68
Contingency Laboratory Analysis, PAHs (Deep)	$ 174.31	5 each		$ 871.56
		Subtotal:	**$ 1,050.00**	**$ 9,560.39**
Water Treatment Plant Transformer Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	10 hour	$ 1,050.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	1 day		$ 250.00
Contractors				
GeoProbe Driller	$ 3,500.00	1 event		$ 3,500.00
Utility Scan	$ 2,250.00	0.5 event		$ 1,125.00
Laboratory Analysis, EPH Cat 2 (Shallow)	$ 194.09	4 each		$ 776.37
Laboratory Analysis, PCBs (Shallow)	$ 100.14	4 each		$ 400.55
Contingency Laboratory Analysis, PAHs (Shallow)	$ 174.31	4 each		$ 697.25
Contingency Laboratory Analysis, EPH Cat 2 (Deep)	$ 194.09	4 each		$ 776.37
Contingency Laboratory Analysis, PCBs (Deep)	$ 100.14	4 each		$ 400.55
Contingency Laboratory Analysis, PAHs (Deep)	$ 174.31	4 each		$ 697.25
		Subtotal:	**$ 1,050.00**	**$ 8,623.31**
Historic Fill Area Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	100 hour	$ 10,500.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	10 day		$ 2,500.00
Contractors				
GeoProbe Driller	$ 3,500.00	10 event		$ 35,000.00
Utility Scan	$ 2,250.00	5 event		$ 11,250.00
Laboratory Analysis, PAHs (75%)	$ 174.31	82 each		$ 14,293.52
Laboratory Analysis, Metals (75%)	$ 182.97	82 each		$ 15,003.13
Contingency Laboratory Analysis, Hexavalent Chromium (75%)	$ 105.08	82 each		$ 8,616.66
Laboratory Analysis, EPH Cat 2 (25%)	$ 194.09	28 each		$ 5,434.56
Laboratory Analysis, TCL/TAL+30 (25%)	$ 796.15	28 each		$ 22,292.06
Contingency Laboratory Analysis, Hexavalent Chromium (25%)	$ 105.08	28 each		$ 2,942.28
		Subtotal:	**$ 10,500.00**	**$ 117,332.21**
PCB Impacted Soil Area Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	10 hour	$ 1,050.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	1 day		$ 250.00
Contractors				
GeoProbe Driller	$ 3,500.00	1 event		$ 3,500.00
Utility Scan	$ 2,250.00	0.5 event		$ 1,125.00
Laboratory Analysis, PCBs (Shallow)	$ 100.14	4 each		$ 400.55
Laboratory Analysis, PCBs (Deep)	$ 100.14	1 each		$ 100.14
		Subtotal:	**$ 1,050.00**	**$ 5,375.68**

Cost Estimate Table
US Pipe and Foundry
East Pearl Street
Burlington City, Burlington County, New Jersey

Task	Rate	Units	VHB Labor Cost	VHB Expense
Parts Washer Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	10 hour	$ 1,050.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	1 day		$ 250.00
Contractors				
GeoProbe Driller	$ 3,500.00	1 event		$ 3,500.00
Utility Scan	$ 2,250.00	0.5 event		$ 1,125.00
Laboratory Analysis, EPH Cat 2	$ 194.09	5 each		$ 970.46
Laboratory Analysis, TCL/TAL+30	$ 796.15	5 each		$ 3,980.73
Contingency Laboratory Analysis, Hexavalent Chromium	$ 105.08	5 each		$ 525.41
		Subtotal:	**$ 1,050.00**	**$ 10,351.59**
Interior Staining Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	30 hour	$ 3,150.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	3 day		$ 750.00
Contractors				
GeoProbe Driller	$ 3,500.00	3 event		$ 10,500.00
Utility Scan	$ 2,250.00	1 event		$ 2,250.00
Laboratory Analysis, EPH Cat 2	$ 194.09	30 each		$ 5,822.74
Laboratory Analysis, TCL/TAL+30	$ 796.15	30 each		$ 23,884.35
Contingency Laboratory Analysis, Hexavalent Chromium	$ 105.08	30 each		$ 3,152.44
		Subtotal:	**$ 3,150.00**	**$ 46,359.53**
Rail Lines/Spurs/Sidings Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	40 hour	$ 4,200.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	4 day		$ 1,000.00
Contractors				
GeoProbe Driller	$ 3,500.00	4 event		$ 14,000.00
Utility Scan	$ 2,250.00	1 event		$ 2,250.00
Laboratory Analysis, PCBs	$ 100.14	35 each		$ 3,504.77
Laboratory Analysis, PAHs	$ 174.31	35 each		$ 6,100.89
Laboratory Analysis, TAL Metals	$ 182.97	35 each		$ 6,403.78
Contingency Laboratory Analysis, Hexavalent Chromium	$ 105.08	35 each		$ 3,677.84
		Subtotal:	**$ 4,200.00**	**$ 36,937.28**
Interior Floor Drains/Trenches/Pits Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	30 hour	$ 3,150.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	3 day		$ 750.00
Contractors				
GeoProbe Driller	$ 3,500.00	3 event		$ 10,500.00
Utility Scan	$ 2,250.00	1 event		$ 2,250.00
Laboratory Analysis, EPH Cat 2	$ 194.09	30 each		$ 5,822.74
Laboratory Analysis, TCL/TAL+30	$ 796.15	30 each		$ 23,884.35
Contingency Laboratory Analysis, Hexavalent Chromium	$ 105.08	30 each		$ 3,152.44
		Subtotal:	**$ 3,150.00**	**$ 46,359.53**

Cost Estimate Table
US Pipe and Foundry
East Pearl Street
Burlington City, Burlington County, New Jersey

Task	Rate	Units	VHB Labor Cost	VHB Expense
Soil Vapor Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	40 hour	$ 4,200.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	4 day		$ 1,000.00
Contractors				
GeoProbe Driller	$ 3,500.00	4 event		$ 14,000.00
Utility Scan	$ 2,242.50	1 event		$ 2,242.50
Laboratory Analysis, Volatile Organics	$ 339.97	41 each		$ 13,938.72
		Subtotal:	**$ 4,200.00**	**$ 31,181.22**
Potential DNAPL Area MIP Investigation				
VHB Labor				
Environmental Scientist	$ 105.00	50 hour	$ 5,250.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	5 day		$ 1,250.00
Contractors				
Utility Scan	$ 2,250.00	1 event		$ 2,250.00
MIP Driller and Model	$ 50,000.00	1 event		$ 50,000.00
		Subtotal:	**$ 5,250.00**	**$ 53,500.00**
Potential DNAPL Area Soil Sampling				
VHB Labor				
Environmental Scientist	$ 105.00	20 hour	$ 2,100.00	
VHB Equipment/Materials				
Field Vehicle (equipped)	$ 250.00	2 day		$ 500.00
Contractors				
GeoProbe Driller	$ 3,500.00	2 event		$ 7,000.00
Utility Scan	$ 2,250.00	1 event		$ 2,250.00
Laboratory Analysis, TCL VO+15 (Shallow)	$ 113.74	20 each		$ 2,274.70
Contingency Laboratory Analysis, TCL VO+15 (Intermediate)	$ 113.74	20 each		$ 2,274.70
Contingency Laboratory Analysis, TCL VO+15 (Deep)	$ 113.74	20 each		$ 2,274.70
		Subtotal:	**$ 2,100.00**	**$ 16,574.10**
Site Investigation/Remedial Investigation Reporting				
VHB Labor				
Senior Technical Advisor	$ 230.00	20 hour	$ 4,600.00	
LSRP	$ 240.00	40 hour	$ 9,600.00	
Project Manager	$ 140.00	80 hour	$ 11,200.00	
Environmental Scientist	$ 105.00	80 hour	$ 8,400.00	
GIS/CADD	$ 115.00	40 hour	$ 4,600.00	
		Subtotal:	**$ 38,400.00**	**$ - **
		Task 2 Total:	**$ 79,350.00**	**$ 408,087.89**
		Task 1 and 2 Subtotal:	**$ 139,350.00**	**$ 408,937.89**
			Proposal Total:	**$ 548,287.89**

RESOLUTION NO. 246-2024 OF THE COMMON COUNCIL OF THE CITY OF BURLINGTON AUTHORIZING 2024 BUDGET TRANSFER #1

WHEREAS, N.J.S.A. 40A:4-58 provides that a municipal governing body may make Budget Transfers during the last two months of the fiscal year;

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Burlington, that the following **2024 Budget Transfers (#1)** be approved:

GENERAL FUND

Account #		FROM	TO
1-20-110-042	Mayor & Council - OE		$2,000.00
1-20-130-012	Finance Department - SW	$10,000.00	
1-20-130-028	Finance Department - OE		30,000.00
1-20-145-011	Tax Collection - SW	10,000.00	
1-20-155-104	Legal Services - OE		10,000.00
1-20-165-028	Engineering Services - OE		20,000.00
1-20-175-016	Historical Commission - SW		500.00
1-22-195-012	Construction Official - SW		12,000.00
1-22-195-012	Construction Official - OE	7,000.00	
1-22-202-012	Code Enforcement - SW	60,000.00	
1-23-210-029	Liability Insurance - OE		10,000.00
1-23-220-029	Employee Group Insurance - OE	73,500.00	
1-25-260-029	Endeavor Emergency Squad - OE		22,000.00
1-25-267-011	Uniform Fire Safety Act - SW		26,000.00
1-26-290-011	Road Department - SW		15,000.00
1-26-300-103	Other DPW Functions - OE		3,000.00
1-28-370-011	Recreation Programs - SW		8,000.00
1-28-370-154	Recreation Programs - OE	3,000.00	
1-28-371-029	Operation of Boat Ramp - OE		5,000.00
1-28-375-024	Maintenance of Parks - OE	15,000.00	
1-30-420-011	Celebration of Public Events - SW	5,000.00	
1-30-420-160	Celebration of Public Events - OE		5,000.00
1-36-472-000	Social Security Taxes - OE		15,000.00
	TOTAL GENERAL FUND	$183,500.00	$183,500.00

WATER UTILITY FUND

Account #		FROM	TO
5-55-501-011	Water Operating - SW		$10,000.00
5-55-502-026	Water Operating - OE	$15,000.00	
5-55-522-000	Interest on Bonds - OE		5,000.00
	TOTAL WATER OPERATING	$15,000.00	$15,000.00

SEWER UTILITY FUND

Account #		FROM	TO
7-55-501-011	Sewer Operating - SW	$15,000.00	
7-55-502-034	Sewer Operating - OE		$10,000.00
7-55-522-000	Interest on Bonds - OE		5,000.00
	TOTAL SEWER OPERATING	$15,000.00	$15,000.00

George Chachis, President
Common Council

Attest:

Cindy A. Crivaro, RMC
City Clerk

December 10, 2024

RECORD OF VOTE OF PASSAGE BY THE COMMON COUNCIL						
	MOTION	SECOND	YES	NO	ABSTAIN	ABSENT
BALLARD						
BERGNER-THOMPSON						
HUTTON						
RIJS						
SPAULDING						
WOODARD						
CHACHIS						

OWEN, LITTLE & ASSOCIATES INC.

Engineers
Planners
Surveyors
GIS Specialists

Frank J. Little, Jr., P.E., P.P., C.M.E.
Douglas F. Klee, P.E., P.P., C.M.E.
William J. Berg, P.L.S.

December 4, 2024

Mayor Conaway and Common Council
City of Burlington
525 High Street
Burlington, NJ 08016
Via Email: wharris@burlingtonnj.us

Re: Chapter 170 - Flood Damage Prevention Ordinance
Floodplain Variance Application
Applicant: Ernest Lee
Block: 47
Lot(s): 5
Location: 613 Moorland Avenue
OLA File No.: BURL-24-FLOOD

Dear Mayor Conaway and Members of the Common Council:

This office is in receipt of and has reviewed the Floodplain Variance Application Submission for the above referenced site.

In addition to the application, the submission consists of the following:

A. Architectural and Floorplans, Three (3) Sheets, prepared by Matthew K. Miller, Architect and last revised August 5, 2024 as follows:

   i. Sheet A-1: Proposed Side and Rear Elevations, Proposed New Floorplan
   ii. Sheet A-2: New Floor Plan 7-12-24
   iii. Sheet A-3: Rear Elevation

B. Map of Survey/Plot Plan, One (1) Sheet, prepared by Robins Associates, signed by William J. Robins, PLS and last revised June 26, 2024.

The subject site is developed with a two-story single family residential dwelling, which was constructed in 2004+/-, and contains no basement. At the time, this structure was mapped within the 100-year flood area, therefore, was designed and constructed to meet Minimum First Floor Elevation of (11.0 **NGVD29**) required by FEMA FIRM Panel 345287-0001-C dated 11/15/1985.

Since that time, FEMA updated risk mapping and issued a new FIRM Panel effective 12/21/2017 which places this structure within Zone AE Base Flood Elevation (12.0 **NAVD88**). We note that the elevation requirements lie within differing vertical datums as **NAVD88** is considered a more modern and accurate vertical datum based on a geoid model and adjustments using GPS data while **NGVD29** is an older vertical datum based on tidal measurements with varying accuracy across the U.S. Generally, elevations measured in **NAVD88 are higher** than those measured in **NGVD29**, with differences ranging from several centimeters to over a meter in some areas. The offset is due to the more accurate reference model in **NAVD88** compared to **NGVD29** and a conversion factor of -1.059 can be used in this area. Therefore, in the current **NAVD88** datum, the existing elevation is (10.59) whereas (12.0) is required.

443 Atlantic City Blvd.
Beachwood, NJ 08722
732-244-1090
Fax 732-341-3412
www.owenlittle.com
info@owenlittle.com

The applicant proposes construction of a first-floor lateral addition at Elevation (10.59 **NAVD88**) which will be comprised of a bedroom and bathroom totaling 414 SF. This application previously received approval from the Burlington City Joint Land Use Board related to variance and waiver relief, however, that approval requires compliance with Chapter 170 of the City's Flood Damage Prevention Ordinance and associated variance relief from Common Council for proposed non-compliant first floor elevation. Per the application, the existing utilities are at Elevation (10.59 **NAVD88**) and it appears that the proposed utilities will remain at the same Elevation.

1. **Scope of Work**

Review of the Architectural Plans indicates that the applicant proposes to construct the lateral addition at least 1.41 FT below the required FEMA Base Flood Elevation. No mitigation actions are proposed nor are the installation of flood vents shown in the new crawlspace area. Since this lateral addition is new construction, the following actions are required to meet the requirements of the City's Flood Damage Prevention Code (Chapter 170) as well as the NJDEP Flood Hazard Area Rules and FEMA's Minimum Standards for New Construction. Specifically, the following mitigation action items are required:

- Engineered flood vents must be installed within the new crawlspace area to reduce hydrostatic pressure on the foundation wall system.
- The first-floor elevation of the new addition must be Elevation (13.8) or greater.
- Any new outdoor mechanical systems such as an a/c condenser unit must be raised on a platform at or above the Design Flood Elevation of (13.8).

2. FEMA Compliance Review

Review of the Map of Survey/Plot Plan indicates that the existing and proposed First-Floor Elevation is (10.59). Due to the deficient elevation of the proposed new construction lateral addition to the dwelling, the following variances are required:

a. The proposed First Floor Elevation is (10.59) whereas FEMA Base Flood Elevation (12.0) is required, therefore, a Variance is needed.

b. The lowest proposed Mechanical Elevation is (10.59) whereas (12.0) is required. The applicant shall provide testimony as to whether an additional air conditioning condenser will be installed. A Variance is required.

c. No engineered flood venting is proposed whereas flood vents are required at a minimum ratio of 1 square inch of opening in a foundation wall per square foot of enclosed area on exterior walls. A Variance is required.

3. **Municipal NFIP Compliance Review**

Review of the Map of Survey/Plot Plan indicates that the existing and proposed First-Floor Elevation is (10.59) whereas the FEMA required First Floor Elevation is (12.0) and the City of Burlington requires an additional one (1) foot freeboard or factor of safety. The Municipal Design Flood Elevation is (13.0), therefore, the following variances are required:

a. The existing and proposed First Floor Elevation is (10.59) where (13.0) is required. The proposed addition does not conform to Municipal Design Flood Elevation, therefore, a Variance is needed.

b. The lowest proposed Mechanical Elevation is (10.59) whereas (13.0) is required. The applicant shall provide testimony as to whether an additional air conditioning condenser will be installed. A Variance is needed.

4. **NJ Flood Hazard Area Compliance Review**

In August 2024, the NJDEP Division on Resilience, Engineering & Construction Bureau of Flood Engineering and the NJDEP Watershed Program provided the following updated guidance and interpretation of the fluvial flood hazard area and associated flood elevation requirements summarized as follows:

Figure 7: Frequency Discharge-Drainage Area Curves
[Not Applicable to this Flood Risk Project]

Table 11: Summary of Non-Coastal Stillwater Elevations

Flooding Source	Location	Elevations (feet NAVD88) 10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Delaware River	At the Philadelphia gage	6.4	*	8.0	8.8	10.9
Delaware River	At the mouth of Pennsauken Creek	6.6	*	8.1	8.9	11.1
Delaware River	At the mouth of Pompeston Creek	6.6	*	8.2	9.0	11.3
Delaware River	At downstream corporate limits of Burlington Township	7.2	*	9.5	9.7	12.3
Delaware River	At the "Old" Burlington gage	7.3	*	9.6	9.8	12.4
Delaware River	At upstream corporate limits of Burlington Township	7.6	*	9.9	10.0	14.0
Delaware River	At downstream corporate limits of Florence Township	7.6	*	9.9	10.9	14.0
Delaware River	At upstream corporate limits of Florence Township	8.2	*	11.0	11.9	15.4

* Not calculated for this Flood Risk Project

"Three (3) feet of freeboard can be added to the fluvial flood elevation that is found within Table 11 (see above) in the FEMA Flood Insurance Study (FIS) and not directly added to the FEMA Base Flood Elevation. Therefore, the Old Burlington Tide Gauge is the primary Stillwater Elevation location we will use for projects in the city and (3.0) will be added to the Stillwater Elevation of (9.8) for the 1% annual event resulting in a BFE of (12.8) plus one (1) additional foot of state freeboard."

Therefore, the NJ Climate Adjusted Flood Elevation is (13.8) and the following variances are required:

a. The proposed First Floor Elevation is (10.59) whereas (13.8) is required. The proposed construction does not conform to the NJ Climate Adjusted Flood Elevation, therefore, a Variance is needed.

b. The lowest proposed Mechanical Elevation is (10.59) whereas (13.8) is required. The applicant shall provide testimony as to whether an additional air conditioning condenser will be installed. A Variance is needed.

5. **Variance Procedure** - The Common Council is the designated appeal board and shall hear and decide appeals and requests for variances from the requirements of the Flood Damage Prevention Chapter. In passing upon such applications, the Common Council shall consider all technical evaluations, all relevant factors, and all standards specified in other sections of the Flood Damage Prevention Chapter, and specifically the following that apply to a residential use:

a. The danger that materials may be swept onto other lands to the injury of others;

Comment: This structure is not located within a high velocity wave action area and the common storage of belongings is permitted below the Base Flood Elevation by FEMA.

b. The danger to life and property due to flooding or erosion damage;

Comment: The owner will receive a written letter stating the increased risk to life and property resulting from the deficient lowest floor elevation.

c. The relationship of the proposed use to the comprehensive plan and floodplain management program of that area;

Comment: The continued use of the single family dwelling is permitted, however, the proposed addition does not meet the minimum requirements of the City Code Chapter 170 nor does it meet the requirements of FEMA and the NFIP nor the State of New Jersey. No actions are proposed to improve, even to the maximum extent practicable, the overall compliance with the various floodplain regulations.

d. The safety of access to the property in times of flood for ordinary and emergency vehicles;

Comment: Access to the property will remain similar for first responders.

e. *The expected heights, velocity, duration, rate of rise, and sediment transport of the floodwaters and the effects of wave action, if applicable, expected at the site; and*

Comment: The applicable FEMA FIRM map does not project wave action or velocities at this site.

f. *The costs of providing governmental services during and after flood conditions, including maintenance and repair of public utilities and facilities such as sewer, gas, electrical, and water systems, and streets and bridges.*

Comment: The cost of governmental services during and after a flood condition on public utilities and facilities will not be impacted by this project.

6. **Conditions for Variances** – As noted in the City's Flood Damage Prevention Chapter, generally, variances may be issued for new construction to be erected on a lot of 1/2 acre or less in size contiguous to and surrounded by lots with existing structures constructed below the base flood level, providing items [a] through [f] above have been fully considered.

Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief. Variances shall only be issued upon:

a. A showing of good and sufficient cause;

b. A determination that failure to grant the variance would result in exceptional hardship to the applicant;

We note that FEMA Technical Bulletin P-993 dated July 2014 states the following:
"The hardship that would result from failure to grant a requested variance must be exceptional, unusual and specific to the property involved, not the personal circumstances of the applicant. When determining whether an applicant has established an exceptional hardship sufficient to justify a variance, the local governing body must weigh the applicant's hardship against the community wide flood damage prevention requirements. As stated under Section 3.3.3 (Good and Sufficient Cause), inconvenience, aesthetic considerations, physical handicaps, personal preferences, the disapproval of one's neighbors, or homeowners association requirements do not qualify as exceptional hardships. This applies even if the alternative means of construction are more expensive or complicated than building the structure with a variance, or if they require the property owners to use the parcel differently than originally intended or build the house elsewhere."

i. The Plot Plan indicates that a Variance was conditionally approved by the Joint Land Use Board for a Rear Yard Setback of 18.6 FT whereas 30 FT was required. The Applicant shall provide testimony related to any alternate means of design that were considered as part of the construction drawing process, and specifically, did the applicant consider requesting greater variance relief to meet the Flood Hazard Regulations? It appears that an interior ramp could be designed and constructed to meet the minimum FEMA Base Flood Elevation requirement of (12) with minimal additional variance relief needed.

c. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, extraordinary public expense, create nuisances, cause fraud on or victimization of the public as identified in the Variance Procedure above, or conflict with existing local laws or ordinances.

7. Additional Requirements – Should Variance Relief be granted by the Common Council, the following additional requirements must be met:

a. Any applicant to whom a variance is granted shall be given written notice that the structure will be permitted to be built with a lowest floor elevation below the base flood elevation and that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced lowest floor elevation.

b. A Flood Elevation Certificate based on Construction Drawings is required prior to the issuance of any future building permits.

It is therefore recommended that should the Common Council approve this application; it be conditional upon consideration of the comments cited above and any other conditions the Common Council may wish to impose.

Very truly yours,

Allison S. Iannaccone, CFM
Burlington City Floodplain Manager

ASI:caa

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