


George Latimer  
County Executive

WHEREAS, a vacancy exists in the membership of the Westchester County Arab American Advisory Board, due to the newly created Board:

NOW, THEREFORE, I, George Latimer, County Executive of Westchester County, in accordance with the terms and provisions of the Westchester County Charter, appoint Hussein Elzoghby, P.E., 241 Andrea Road, Yorktown Heights, New York as a member of the Westchester County Arab American Advisory Board, for the term February 25, 2021 to December 31, 2022.

Given under my hand  
and seal this 25<sup>th</sup> day  
of February, 2021.



George Latimer  
County Executive

Office of the County Executive

Michaelian Office Building  
148 Martine Avenue  
White Plains, New York 10601

Email: [CE@westchestergov.com](mailto:CE@westchestergov.com)  
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George Latimer  
County Executive

February 25, 2021

Mr. Hussein Elzoghby  
241 Andrea Road  
Yorktown Heights, NY 10598

Dear Mr. Elzoghby,

It is my pleasure to appoint you to serve as a member of the Westchester County Arab American Advisory Board, effective today, Thursday, February 25, 2021, pursuant to Executive Order Number 8 of 2019. This appointment is for a term to expire on December 31, 2022.

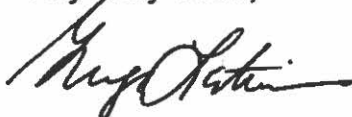
Your appointment is subject to confirmation by the Westchester County Board of Legislators, but your service begins immediately. You must complete the attached Oath of Office and file it with the County Clerk prior to the next Arab American Advisory Board meeting, and provide this office with a copy within 30 days. Please contact Martha Lopez at (914) 995-2947 for the date, place, and time of the Arab American Advisory Board's upcoming meeting for your participation.

When you have filed your Oath of Office, a Resolution to confirm your appointment will be submitted to the County Board of Legislators. As part of the confirmation process, you may be called before the Board to be interviewed.

Pursuant to Local Law, as a member of a Westchester County Board and/or Commission, you are responsible for adhering to the requirements of our Code of Ethics, which includes the annual filing of a financial disclosure statement with the County Board of Ethics. A financial disclosure form will be mailed to you under separate cover.

Warmest wishes for a successful tenure.

Very Truly Yours,



George Latimer  
Westchester County Executive

GL/wm

cc: Honorable Board of Legislators  
Joan McDonald, Director of Operations

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# Hussein M. Elzoghby, P.E.

helzoghby@savinengineers.com

## EDUCATION

M.E. in Civil Engineering, The Cooper Union, NY  
B.E. in Civil Engineering, The Cooper Union, NY

## CERTIFICATION

Licensed Professional Engineer; New York, New Jersey, Washington DC

## COMMUNITY EXPERIENCE

### **Member and Board Trustee, Upper Westchester Muslim Society, Pleasantville, NY 2004 - Present**

Active member and Trustee of this Community Non-Profit since 2004. Working with other communities of faith in Upper Westchester to foster greater understanding and tolerance. Chair of the Project committee to build a new Community center. Chair of the Buildings & Grounds committee for the recently acquired UWMS Community Center at 600 Bear Ridge Rd. Member of Public Relations Committee.

### **Member Town of Mt. Pleasant Police Advisory Committee, Valhalla, NY 2020**

Selected by the Town of Mt. Pleasant to sit on this important Committee to assess various police reform measures. Attended various listening meetings with Town Residents and working meetings with Committee members and Mt. Pleasant Police Chief.

## PROFESSIONAL EXPERIENCE

### **Senior Vice President, Savin Engineers, P.C., Pleasantville, NY 1989 - Present**

Mr. Elzoghby's professional experience is diverse and includes work on projects in the areas of Environmental, Civil, Sanitary, Structural, Marine, Port and Bridge Engineering. In addition, he is proficient in the application of computers to structural analysis and has authored several papers on the subject. His 35 years of experience on various projects includes structural design of new structures and rehabilitation of existing structures including oxygenation tanks, swirl concentrators, incinerator buildings, pipe galleries, pumping stations, oxygen generating buildings, chlorine contact tanks, underground pipe supports, electrical duct banks, and other miscellaneous structures. All designs were in accordance with ACI Sanitary Code and Seismic Provisions of local Building Codes. Mr. Elzoghby is currently working on the Guilford Water Reservoir Improvements for Baltimore Maryland and North River WWTP projects.

#### **WSSC – Tiber Drive Water Main Replacement**

Provided review and oversight of:

- Detailed design of 8-inch diameter water main to replace the existing system.
- Thrust restraint calculations to determine required restrained lengths for proposed water main.
- Prepared construction documents for approximately 2,800 linear feet of water main replacement, associated water house connections, fire hydrant connections, crossing between existing utilities, and stakeout data.

#### **WSSC – Broad Creek Sewer Diversion**

Provided review and oversight of:

- Detailed design of a new 8-inch diameter sewer main to divert wastewater flow from the Broad Creek Sewer Basin to the Western Branch Sewer Basin.

## ***Hussein M. Elzoghby, P.E.***

- Prepared construction documents for approximately 1,800 linear feet of sewer pipe installation, four (4) new sewer manholes, and associated pavement restoration in accordance with Prince Georges County requirements.

### **WSSC – Patuxent Raw Water Main Pigging Vaults**

- Responsible for structural and mechanical design associated with two (2) new Pigging Vaults, Pig Launching Vault and Pig Receiving Vault, for a new 48-inch diameter water main.
- Performed detailed mechanical design in accordance with WSSC Standards for new 48-inch diameter water main with gate valves.
- Performed detailed structural design for reinforced concrete below grade vaults in accordance with WSSC Standards. Structural design included interior aluminum framed platforms, and reinforced concrete was designed to resist the required H-20 truck loading.

**Guilford Water Reservoir Improvements, Baltimore, Maryland.** Responsible charge of all structural design services. Project includes 2 new 240 ft. diameter potable water storage tanks, drilled pier foundation, reinforced concrete mat, seismic design and related work.

### **DC Water – Water Distribution System – PRV Vault, Washington DC**

Performed detailed structural analysis and design of a below grade Pressure Reducing Valve (PRV) vault. Vault design consisted of reinforced concrete base slab, walls, and roof slab and framing subject to H-20 loading and surcharge. Performed buoyancy calculations and sliding resisting calculations for the new PRV vault. All design was in accordance with the District of Columbia Building Code supplement, ACI 350 and ASCE 7.

**Ashburton Pumping Station Improvements, Baltimore, Maryland** - Performed structural engineering services for the study and design of improvements at the Ashburton Pumping Station. This includes the main pumping station sub-structure, superstructure, numerous valve chambers and miscellaneous structural elements.

**Montebello Water Filtration Treatment Plant, Baltimore, Maryland** - Performed structural design services for a new pumping station, storm water diversion structures and modifications to a raw water distribution center. All design was completed in accordance with ACI 350 and the City of Baltimore Building Code.

**Condition Assessment, New York City** - Performed conditions assessment services for many NYCDEP owned and operated facilities for the Risk and Prioritization Study. This included structural evaluation of over 50 pump stations and 14 wastewater treatment plants ranging from 100,000 gpd to 310 MGD (including pump stations, clarifiers, tricking filters, activated sludge, conventional filtration, membrane filtration, digestion, digester gas systems, and many other processes).

### **Westchester County Structural Inspection Program**

Performed structural inspection and evaluation of 19 pumping stations and five wastewater treatment plants, and numerous associated structures to identify structural deficiencies in the steel and concrete facilities. The inspections included visual observation and sounding of concrete elements. All inspections were conducted in accordance with ACI inspection standards. The facilities inspected included:

- Below-grade tanks – grit removal, primary and secondary sedimentation, aeration, and disinfection.
- Above-grade tanks – sludge thickeners, primary and secondary digesters.
- Superstructures – process buildings, administration buildings, pump stations.

Inspections included identifying corrosion, cracks, section loss, misalignment, and other elements in need of repair. The repair of the deficient elements was prioritized based on risk of failure.

**Cryders Lane Outfall, New York City** - Responsible charge of all structural design for the Cryders Lane Outfall Modifications. This project involved the structural design for a concrete box culvert extension of an existing outfall. The new box culvert was designed to divert the outfall flow towards a diversion channel, where a floating netting system provides floatables control. Performed field inspection of existing concrete outfall to

## **Hussein M. Elzoghby, P.E.**

assess its condition, coordinated soil boring services and performed structural design of the new precast concrete culvert.

**Flood Protection, Johnson City, NY** - Responsible charge of engineering services to perform an evaluation of flood protection alternatives that could be implemented at the Binghamton Johnson City Joint Sewage Treatment and the TPS. The alternatives studied included a flood barrier wall, watertight structures, submersible equipment and sump pumping improvements. The alternatives were evaluated against criteria for the level of protection for the plant facilities, compatibility with existing facilities, reliability of installation, maintenance requirements, impacts to plant operations and cost. The evaluation concluded that a flood barrier wall was the preferred alternative. The recommended project included approximately 2500 linear feet of steel sheet pile wall, backflow control gates on all outfall and drainage pipes penetrating the barrier wall, and a seepage pumping system inside the perimeter of the barrier wall.

**Project Manager for On-Call Construction Management Services for Port Authority of New York and New Jersey** - Coordinate needs of Authority for construction management staff including construction managers, construction inspectors, field engineers, fire protection engineers, schedulers and cost estimators. Performed regular field monitoring and QA checks. Project Manager for various "Term" or "On-Call" type agreements including:

- Port Authority "Call-In" Construction Management Services, for Teterboro Airport – 2002-2006
- Port Authority "Call-In" Construction Management Services – 2007-Present
- NYSDOT Region 10 On-Call Construction Inspection Services – Term Agreement. 2001-2003
- TBTA Term Agreement - Construction Inspection Services –2001-2005
- NYC Dept. Parks & Recreation On-Call Construction Management Services Throughout the Five Boroughs of New York City, 2001-2002
- New York State Thruway "On-Call", Construction Inspection Services 20017-2019
- NYSOGS – "On-Call" Engineering Services

**Performed Local Law 11 inspection and evaluation of an existing steel-framed high rise structure located at 655 Madison Avenue, New York, NY.** Field reconnaissance was performed of the existing building exteriors and in accordance with NYCDOB.

**Responsible charge of all structural designs of New BNR facilities at the New Rochelle WWTP.** This \$200 million project involved the design of a 170 feet by 300 feet complex of reinforced concrete and steel structures housing N-Units, DN-Units (part of BAF process), UV facility, NaOH facility and a multistory-steel framed process control building. All concrete design was in accordance with ACI-350 and latest seismic provision of NYS Building Code.

### **SELECTED PUBLICATIONS**

Optimization of Berthing Impact Force Distribution. Presented at the ASCE Ports' 86 Specialty Conference, Oakland, CA.

Computation of Critical Stresses for Precast, Prestressed Composite Beams. Presented at the Annual ACI Convention, Seattle WA.

# COUNTY OF WESTCHESTER OATH OF OFFICE

## For Appointees to County Boards and Commissions

STATE OF NEW YORK )  
 ) ss.:  
COUNTY OF WESTCHESTER )

I, Hussein Elzoghby do solemnly swear (or affirm) that I will support  
(Print or Type Name)

the constitution of the United States, and the constitution of the State of New York, and that I will  
faithfully discharge the duties of the office of member, Arab American Adv. Bd. in and for the  
County of Westchester, according to the best of my ability.

Date: 3/3/2021

[Signature]  
(Signature)

Sworn to and subscribed before me this 3<sup>rd</sup> day of March,  
2021.

[Signature]  
(Signature)

JUNIOR SAINVIL  
(Print or Type Name)

(Title of Official Administering Oath)

JUNIOR SAINVIL  
Notary Public, State of New York  
No. 01SA6282761  
Qualified in Westchester County  
Commission Expires May 28, 2021

Mail original Oath of Office to Office to Andrew Ferris, Office of the County Executive, 148 Martine Ave., Room 916D, White Plains, NY 10601 for filing within thirty (30) days of the commencement of the term of office or the notice of appointment.