

**RESOLUTION DIRECTING WORK TO HAZEN AND SAWYER TO PROVIDE
PROFESSIONAL ENGINEERING SERVICES DURING CONSTRUCTION FOR THE
NORTHWEST RESILIENCY PARK PROJECT TANK INSPECTION SERVICES**

MOTIONED BY: Marotta

SECONDED BY: Gardiner

WHEREAS, the North Hudson Sewerage Authority (hereinafter "Authority") is a public body, duly formed under the Sewerage Authorities law, constituting Chapter 138 of the Laws of New Jersey of 1946, as amended (Chapter 14A of Title 40 of the New Jersey Statutes Annotated) and possesses the powers set forth therein; and

WHEREAS, Hazen and Sawyer has been selected under resolution 19-102 to provide engineering services for various capital projects required throughout its service area that must be performed in order to maximize the performance of its waste water treatment facility, the capacity of its combined sewer system and/or to comply with its New Jersey Pollution Discharge Elimination System (NJPDES) permit; and

WHEREAS, Hazen and Sawyer has submitted a proposal (Exhibit "A") to provide Engineering Services During Construction for the Northwest Resiliency Park Project Tank Inspection services; and

WHEREAS, the Facilities Review Board has considered this request and proposal and recommends the approval of the full Board.

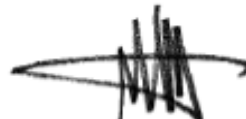
NOW THEREFORE, BE IT RESOLVED that the Authority, as recommended by the Facilities Review Board, directs Hazen and Sawyer to provide professional engineering services during construction for the Northwest Resiliency Park Project Tank Inspection Services as outlined in Exhibit "A" and shall be compensated in an amount not to exceed \$75,000.

DATED: JUNE 18, 2020

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Soares	x		
Commissioner Kappock	x		
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Sanchez	x		
Commissioner Velazquez			x
Commissioner Roque	x		
Commissioner White	x		

**THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE
NORTH HUDSON BOARD OF COMMISSIONERS ON JUNE 18, 2020.**



SECRETARY



Hazen and Sawyer
333 Thornall Street, 3rd Floor, Suite 3B
Edison, NJ 08837 • 732.491.2810

June 8, 2020

Dr. Richard Wolff
Executive Director
North Hudson Sewerage Authority
1600 Adams Street
Hoboken, NJ 07030

Re: NWRP Additional Observation Services

Dear Dr. Wolff:

Hazen and Sawyer (Hazen) is pleased to submit this proposal to the North Hudson Sewerage Authority (NHSA) to provide observation of the construction of a 1-million gallon, underground, stormwater storage tank and appurtenant work, at the Northwest Resiliency Park (NWRP). This work is a precursor to construction of the H6/H7 CSO Long Term Control Plan (LTCP) Phase 1 project. Observation of this work on behalf of the NHSA will allow Hazen to record, firsthand, all aspects of the work as constructed. These observation services are especially critical for the portions of the work that need to interface with the H6/H& LTCP Phase 1 project that follows.

Thank you for your time and consideration of our proposal. Please feel free to contact me directly if you have any questions; I can be reached at 732-491-2811 or wgettings@hazenandsawyer.com.

Sincerely,

William S. Gettings, PE, MBA, BCEE
Associate Vice President and NJ Office Manager

cc: Eamon Kelly, Project Director

Proposal for NWRP Additional Observation Services

Background

The H6/H7 CSO Long Term Control Plan Phase 1 (LTCP) construction is a critically important project for the North Hudson Sewerage Authority (NHSA), which involves the initial phase of construction of a high-level sewer system in the H7 Drainage Basin that includes; a pump station and wet well, mechanical and electrical control building, hydro-dynamic separation (vortex) pretreatment units, and piping and appurtenances. The success of this project is crucial to protecting public health, minimizing public disruption, as well as protecting the environment since when heavy rain coincides with a high tide in the Hudson River, excess stormwater cannot be discharged into the river and stormwater flooding occurs in the streets (through inlets and manholes), causing localized flooding in the lowest-lying areas.

As part of the CSO Long Term Control Plan a 1 MG stormwater storage tank system will be constructed by others in the Northwest Resiliency Park (NWRP) in a tight excavated area in proximity to the proposed location of NHSA's new pump station. Potential risks to the upcoming pump station construction project include existing overhead electrical wires to be relocated, excavation support and foundation/structural conflicts, ongoing groundwater control, site access for personnel and equipment, and responsibility of site preparation in advance of future storms. Observation of the stormwater storage tank construction work by a representative of the NHSA will allow for firsthand recording of all aspects of the work as constructed, and for future coordination with the NHSA's new pump station.

Scope of Work

The scope of work for this proposal consists providing of a construction observer, with assistance from a senior inspector for the anticipated 24 weeks of construction of the 1 MG stormwater storage tank, prior to commencement of construction of the NHSA's new pump station.

Hazen will observe the construction of the 1 MG stormwater storage tank on behalf of the NHSA. This includes providing of written and photographic documentation of our observations during the construction work, especially in those areas where the construction impacts NHSA's new pump station and the hydro-dynamic pretreatment units.

Schedule

We propose the following project schedule in **Table 1**.

Table 1: Proposed Observation Schedule

Task 1: General Oversight Prior to Tank Installation 8 Week Duration	
0.5 Days per Week	Senior Inspector
2 Days per Week	Construction Observer
Task 2: Tank Installation Oversight 16 Week Duration	
0.5 Days per Week	Senior Inspector
4 Days per Week	Construction Observer

Project Team

See **Table 2** for project team members and project roles.

Table 2: Proposed Project Team

Project Role	Project Team Member	Title
Senior Inspector	Paul Ceresnak	Senior Associate
Construction Observer	Lorraine Salamanca	Assistant Engineer

Budget

We have provided our not-to-exceed costs for the additional NWRP observation work in **Attachment A**. Our monthly invoicing will be based on time incurred and hourly loaded rates provided. The not-to-exceed total cost for the project is \$74,945.

Attachment A: Summary of Proposed Costs
North Hudson Sewerage Authority
NWRP Additional Observation Services
June 8, 2020

Employee			Paul Ceresnak	Lorraine Salamance				Cost Totals
Position			Senior Associate	Assistant Engineer		Subcontracted Services	Other Direct Costs	
Hourly Rate			\$ 210.37	\$ 96.12	\$ -			
Task	Description	Subtotal Hours	Hours & Costs					Cost Totals
1	General Oversight prior to Tank Installation	92	30	62	-	\$ -	\$ -	\$ 12,270
2	Tank Installation Oversight	576	64	512	-	\$ -	\$ -	\$ 62,675
		-	-	-	-	\$ -	\$ -	\$ -
		-	-	-	-	\$ -	\$ -	\$ -
	Subtotal Hours	668	94	574	-			
	Subtotal Costs		\$ 19,775	\$ 55,170	\$ -	\$ -	\$ -	\$ 74,945