

**RESOLUTION DIRECTING WORK TO DEWBERRY FOR THE
PARK AVENUE BRICK SEWER REPAIR AND LINING PROJECT**

MOTIONED BY: Friedrich

SECONDED BY: Marotta

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, Dewberry has been selected under resolution 22-127 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, Dewberry has submitted a proposal (Exhibit "A") to provide Engineering Services During Construction for the Park Avenue Brick Sewer Repair and Lining Project; and

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

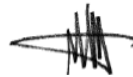
NOW THEREFORE, BE IT RESOLVED that the Authority, as recommended by the Facilities Review Board, directs Dewberry to provide professional engineering services during construction for the Construction for the Park Avenue Brick Sewer Repair and Lining Project not to exceed \$58,017.00.

DATED: SEPTEMBER 21, 2023

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Kappock			x
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Guzman	x		
Commissioner Velazquez	x		
Commissioner Barrera	x		
Commissioner Zucconi	x		
Commissioner Assadourian	x		

**THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE
NORTH HUDSON BOARD OF COMMISSIONERS ON SEPTEMBER 21, 2023.**



SECRETARY

PARK AVENUE BRICK SEWER REPAIR AND LINING PROJECT ENGINEERING SERVICES DURING CONSTRUCTION

.....
SEPTEMBER 12, 2023



ELECTRONIC SUBMISSION

SUBMITTED BY

Dewberry Engineers Inc.
200 Broadacres Drive, Suite 410
Bloomfield, NJ 07003-3177
973.338.9100

SUBMITTED TO

North Hudson Sewerage Authority
1600 Adams Street
Hoboken, NJ 07030
201.963.6043

.....
This proposal includes information that shall not be disclosed outside of the North Hudson Sewerage Authority and shall not be duplicated, used, or disclosed, in whole or in part, for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of, or in connection with, the submission of this information, North Hudson Sewerage Authority shall have the right to duplicate, use, or disclose the information to the extent provided in the resulting contract. This restriction does not limit North Hudson Sewerage Authority's right to use information contained in this information if it is obtained from another source without restriction. The information subject to this restriction is contained on all pages that follow.

September 12, 2023

North Hudson Sewerage Authority
600 Adams Street
Hoboken, NJ, 07030

RE: Request for Proposal for Park Avenue Brick Sewer Repair and Lining Project, Engineering Services During Construction

Dear Sir or Madam,

We understand North Hudson Sewer Authority's (NHSA) commitment to provide quality sewerage services to the City of Hoboken. Dewberry Engineers Inc. (Dewberry) understands the importance of this project and is committed to completing this work successfully on-time and within budget.

The project will be managed by our local Bloomfield office which consists of skilled engineers and technical personnel who have experience completing similar projects. Our Project Manager, Todd Yanoff, PE (NY), CCM, will serve as primary point of contact to facilitate quality and responsive service to NHSA. He has more than 26 years of construction management experience on numerous projects. Our Technical Advisor, Rahul Parab, PE, (NY) D.WRE, CFM, will support Todd and his team. Rahul brings valuable lessons learned and oversight expertise gained from more than 20 years of planning, engineering design and construction experience on flood resiliency projects. He led and managed multi-disciplinary projects – from policy to planning to design and construction. Our Resident Engineer, Adam Remick, PE, ENV SP, CCM has more than 26 years of civil and environmental engineering experience, with special expertise in construction management of water and wastewater system capital improvement projects valued up to \$150-million. He has managed and supervised a diverse staff of engineers, construction inspectors and safety personnel for land development and public works projects for both private and municipal clients.

We welcome your detailed review of our qualifications and are looking forward to continuing our relationship with NHSA.

Sincerely,
Dewberry Engineers Inc.



Todd Yanoff, PE (NY), CCM
Project Manager

 **2,000+**
EMPLOYEES **>55**
LOCATIONS
nationwide **\$602.7**
MILLION
in 2022 revenue **65+**
YEARS
helping clients build
and shape communities

SECTION 1: Project Understanding/ Scope of Work



SECTION 1 - PROJECT UNDERSTANDING/SCOPE OF WORK

Dewberry Engineers Inc. (Dewberry) understands **North Hudson Sewerage Authority's (NHSA)** commitment to provide quality sewerage services to the City of Hoboken. Dewberry is uniquely qualified to provide engineering services during construction (ESDC) for this contract. We have extensive experience providing the scope of services this project requires as outlined in the RFP. Our experience will help us complete this project to the satisfaction of each stakeholder.

Through our experience with prior NHSA work, Dewberry recognizes that the existing 19th Century CSO system requires strategic upgrade to improve stormwater handling, increase maintainability and provide the control needed to operate a storm resilient system.

Dewberry is an expert at managing construction issues such as maintenance and protection of traffic, trenching in urban developments, working around aged drainage structures and road improvements in densely populated urban developments. We are confident that bringing that experience to bear on this project will deliver the services during construction needed to meet the project's challenges while minimizing impacts to local businesses and residents of the City of Hoboken.

The primary objective of this project is to clean the 36-inch brick sewer pipe, make isolated repairs as needed, provide adequate access for the installation of the cured in place pipe (CIPP) lining with the possible alteration to existing sewer manhole frames, and bypass pumping of the sewer line.

We understand special considerations in this work involves traffic control and reconstruction of local streets while maintaining access to local businesses and residents facing the public right of way. Additionally, we understand the importance of minimizing impact to the traveling public and the residents throughout the duration of this work.

Based on our substantial experience with drainage improvements, municipal roadway reconstruction,

working in densely populated neighborhoods and our review of RFP materials, Dewberry developed a sequence and systematic approach to aggressively monitor the schedule during construction and constantly look ahead to identify potential conflicts and obstacles, we will work proactively with the contractor to develop solutions, keep critical activities on schedule and minimize potential risk to the public and overall impact to the community.

Our approach identifies the following key issues as critical elements to the project:

- Safety First - Verify that the contractor is implementing the requisite safety measures in the project area, especially in and adjacent to the work zone, for vehicular traffic and contractors' construction activities. The contractor will be made aware that construction will be in accordance with the State of New Jersey Construction Safety Act, New Jersey Uniform Construction Code, The High Voltage Proximity Act, and other local State and Federal Safety regulations. Pedestrian safety will not be an exception, during each work shift and non-working hours, work locations disturbed will be maintained, restored, and made safe for the public.
- Conduct field reconnaissance with the contractor to assess the site conditions and establish site-specific Work Zone Traffic Control (WZTC) required for the various work zone setup. Temporary detours, and



FIGURE 1: BYPASS PUMPING AT THE HORSEPEN DAM ALTERATION (D-B PROJECT ASSOCIATED WITH ROUTE 606 WIDENING), VIRGINIA

PARK AVENUE BRICK SEWER REPAIR AND LINING PROJECT

road closures will be coordinated with the City of Hoboken, and other agencies having jurisdiction.

- Verify that the contractor maintains sufficient workers, material, and equipment to complete the project on schedule. Enforce strict housekeeping on project limits, and hazardous materials, if any will be removed and disposed of in a safe, legal, and responsible manner.

Additional considerations include:

Our inspection team understands the importance of checking throughout the process and their **obligation to quality control and safety**. The Dewberry Team will meet daily to coordinate the scheduled work operations with the contractor's supervisory staff and review associated background information and documentation (i.e., catalog cuts; detailed product data sheets; material safety data sheets (MSDS); work plans and procedures) to prepare for that day's work activities.

Some project specific deliverables, include:

WZTC

- Maintain traffic and provide safe passage for the public, especially during work shift and non-working hours. The contractor's plan will have contingencies for the possible failure of traffic control devices
- Maintain appropriate surface conditions and drainage facilities
- Enforce dust and noise control measures
- Enforce requirement for flaggers
- Adhere to approved schedules
- Maintain traffic control devices
- Monitor site so that construction materials, vehicles and equipment are not hazards or encumbrances to the public and keep the travel-way clear of debris
- Immediately notify contractor of major MPT deficiencies

Asphalt Pavements and Striping

- Placement on wet surfaces will be prohibited
- Temperature limitations (ambient, surface and mix) will be adhered to
- Monitor the contractor's schedule with regards to seasonal limitations

- Lift thickness and surface tolerances will not be exceeded, and roller patterns will be adequate to satisfy required compaction
- Confirm contractor's marking layout satisfies the restoration requirements in the contract
- Check materials for conformance with the 'approved list' or standard
- Check pavement cleaning to prevent loss of marking adhesion

The above information will be well documented in the Dewberry team's daily Inspection Report (IR). The Resident Engineer will confirm that field inspector(s) are preparing inspection reports promptly, completely, and consistently.

SCOPE OF WORK

The responsibilities referenced in this request for proposal will be by the Services During Construction Engineer (Engineer). The Engineer will provide the following scope of service for the project.

Construction Phase Services

The Engineer will perform services during construction as described below:

Task 1 - Contract Execution and Pre-Construction Meeting

- Prepare and distribute necessary paperwork required for execution of the Contract between the Contractor and the Authority.
- Provide three paper copies of the Contract for execution.
- Schedule and conduct a pre-construction conference with the Authority, Contractor, City officials, and other key stakeholders.
- Prepare minutes of the pre-construction conference and distribute same.
- Prepare and issue a Notice to Proceed to the Contractor.

Task 2 – Resident Engineering/ Inspection

The Engineer will provide a full time resident engineer and Inspector to perform the services described below:

- Observe the on-site construction work when the contractor's field activities are in progress to verify that the work is being completed in accordance with the Contract Documents. This includes, but is not limited to, the removal of excavated materials, bypass pumping, installation of lining system, and roadway reconstruction.
- Coordinate with the contractor and Hoboken regarding street closures, WZTC, and pedestrian flow.
- Maintain project records, diaries, daily inspection reports/pictures and documents.
- Conduct inspections of the work and develop punch lists.
- Witness and record the results of functional and performance tests.
- Respond to public complaints, including contacting complainants, determining solutions; prepare letters, etc. in accordance with the Authority's policies, which requires timely action by the Engineer.

Task 3 - Authority's Agent During Construction

The Engineer will perform the following:

- Aid the NHSA's contractor to obtain construction permits from Hoboken.
- Act as Authority's Agent with regard to the contractor's compliance with the contract documents.

Task 4 - Construction Administration

The Engineer will provide administration of the Contract and represent the Authority in observing the contractor's compliance with the Contract Documents. The Engineer will perform the following:

- Review the contractor's health and safety plan.
- Coordinate with the various utility companies.
- Meet with the contractor's representatives and the Authority to assist in implementing the construction progress. Engineer will act as initial interpreter of

the Contract Documents' requirements, and judge the acceptability of the work and make decisions on claims of the Authority and contractor relating to the acceptability of the work or the interpretation of the requirements of the Contract Documents.

- Conduct every other week progress meetings with the contractor to review and record the progress of the work, and to resolve any problems with the project. Conduct additional meetings as necessary to resolve conflicts or specific problems. A Project Manager for the Engineer will chair meetings and submit minutes of meetings to attendees.
- Review, certify and process the contractor's payment requests on a monthly basis. Prepare a payment application cover letter, engineer's summary payment certificate and Authority payment voucher to submit with recommendations and supporting documentation to the Authority.
- Submit a monthly progress report prepared in accordance with the Authority's format outlining pertinent activities during the month, including work performed, milestones, problems, pending change orders and claims, and time delays. The monthly progress report will contain a financial summary of the Construction contract as well as a financial summary of the Engineer's contract with the Authority. Submit the monthly progress report to the Authority one week prior to the Board meeting.
- Be present at the Authority's facility service committee meetings as-needed to discuss problems with the project, present construction change orders and answer questions from the Authority.
- Provide construction management supervision and control of the resident inspection team to verify quality control and assist with problems.
- Provide technical interpretations of the Contract Documents and evaluate requested deviations from the approved design or specifications.
- Maintain project records, diaries, and documents.
- Respond to contractor Requests for Information (RFI's) and provide written responses to the contractor.
- Provide technical review of shop drawings, diagrams, illustrations, catalog data, schedules and samples, the results of tests and inspections, and other data

PARK AVENUE BRICK SEWER REPAIR AND LINING PROJECT

which the contractor is required to submit. Submitted material will be reviewed for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. This review is not intended as an approval of the submittals if they deviate from the Contract Documents or contain errors, omissions, and inconsistencies, nor is it intended to relieve the contractor of his full responsibility for Contract performance, nor is the review intended to confirm or guarantee lack of inconsistencies, errors, and/or omissions between the submittals and the Contract requirements.

- The Engineer will perform shop drawing and RFI work. The design engineer will be available to respond to questions.
- Prepare and administer necessary field orders.
- Prepare and administer necessary work change directives.
- Assist in negotiating, with the contractor, the scope and cost of a reasonable and customary number of change orders. Prepare change orders as required and submit them to the Authority for approval. Following approval by the Authority and the contractor, administer same with the contractor. Submit change orders to the NJDEP Municipal Finance and Construction Element for their review and approval.
- Administer allowance items in the contract.
- Meet with representatives of the Authority and appropriate regulatory agencies when requested for consultation or conferences regarding construction of the project.
- Recommend the acceptability of the work and issue a Certificate of Substantial Completion along with a punch-list upon the contractor achieving the project milestones.
- Prepare routine letters, memorandums, reports, change orders and miscellaneous paperwork as directed by the Authority for signature by the Authority.
- Respond to public complaints, including contacting complainants, determining solutions, prepare letters, etc. in accordance with the Authority's policies and procedures, which requires timely action by the Engineer.
- Review the final construction to determine if the work has been completed in conformance with the intent of the contract documents. Facilitate a final inspection by the contractor, Authority, NJDEP, and other appropriate regulatory agencies so they may make the final observation of the construction.
- Review record drawings provided by the contractor of changes to the work.
- Prepare a final set of record drawings in electronic format.
- Provide appropriate technical assistance during start-up, functional testing, and performance testing. Verify operation of individual valves, common equipment and individual systems and subsystems.
- Assist in negotiating final payment for construction and submit a final letter report which final settlement and termination of the construction contract will be based. Document proceedings of final settlement negotiations and record basis for final payment.
- Prior to recommending release of final payment, verify the contractor has furnished administrative items required by the Contract Documents, and verify there are no outstanding liens, or claims.
- Prepare and submit required close-out documentation for each permit which has been, or will be, necessary for the project. These include local construction permits.
- Engineer will provide the Authority with a complete electronic file in PDF format of documents that they prepared on behalf of the Authority that is included in this RFP.

SECTION 2: Cost Estimate for Engineering Services

SECTION 2 - COST ESTIMATE FOR ENGINEERING SERVICES

PHASE	TASK DESCRIPTION	PROPOSED HOURS	PROPOSED COST
CONSTRUCTION PHASE SERVICES, PHASE 1			
Task 1	Pre-Construction Meeting	40	\$6,423.62
Task 2	Resident Engineering/Inspection	200	\$24,712.49
Task 3	Authority's Agent During Construction	80	\$10,310.59
Task 4	Construction Administration	80	\$16,570.31
	Other Direct Costs	N/A	
TOTAL PROPOSED COST			\$58,017.00

SECTION 3: Detailed Project Schedule

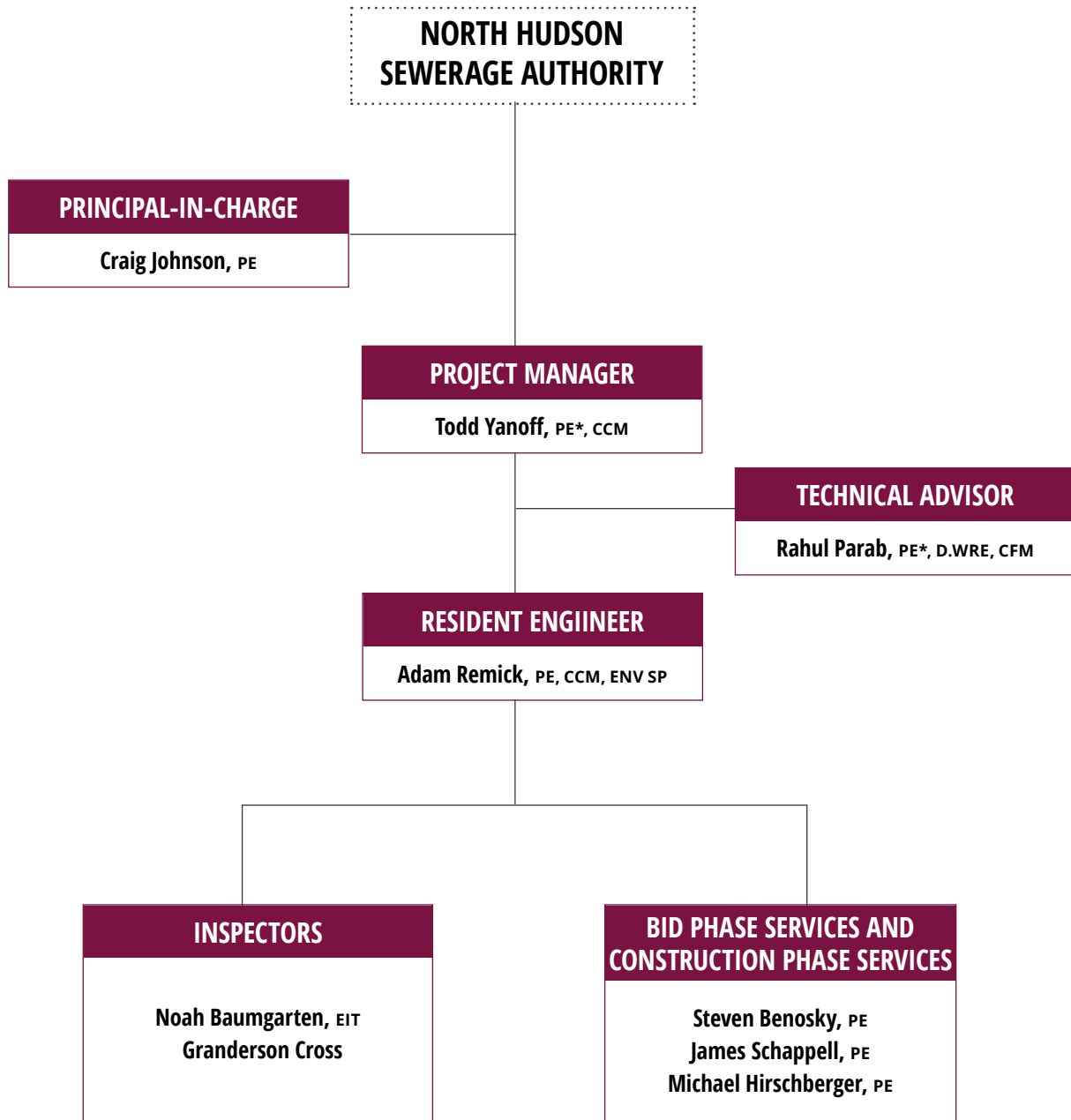
SECTION 3 - DETAILED PROJECT SCHEDULE

	SUB TASKS	DURATION		NTP+			15 DAYS	30 DAYS	45 DAYS	60 DAYS	75 DAYS	
		WORK DAYS	ADD'L OFF DAYS	CUMULATIVE CALENDAR DAYS								
				START	END							
Task 1 - Contract Execution and Pre-Construction Meeting	Contract Execution Support	3	1.2	4.2	9/25/2023	9/29/2023	■					
	Pre-Construction Conference with Minutes	1	0.4	5.2	10/2/2023	10/2/2023	■					
	Notice to Proceed	1	0	6.5	10/2/2023	10/2/2023	■					
Task 2 Resident Engineering & Inspection	Resident Engineering	5	2	11.2	10/2/2023	12/2/2023	■					
	Inspection Services	20	8	31.2	10/2/2023	11/13/2023	■					
Task 3 Authority's Agent	Construction Permit Support	3	1.2	34.2	10/2/2023	11/13/2023	■					
	Authority's Agent	2	0.8	36.2	10/2/2023	11/13/2023	■					
Task 4 Construction Administration	Health & Safety Plan Review	1	0.4	37.2	10/2/2023	10/16/2023	■					
	Utility Coordination	0.5	0.2	37.7	10/2/2023	10/16/2023	■					
	Construction Progress Meetings	0.5	0.2	38.2	10/2/2023	11/13/2023	■					
	Contractor's Invoicing Review	0.5	0.2	38.7	10/20/2023	12/2/2023		■				
	Monthly Progress Reports	0.5	0.2	39.2	10/2/2023	11/13/2023		■				
	Authority Facility Service Committee Meetings	0	0	N/A	N/A	N/A						
	Construction Management Records, Documentation, Field Orders	0.5	0.2	39.7	10/2/2023	12/2/2023	■					
	Submittals, RFI's and Technical Interpretations	0.5	0.2	40.2	10/2/2023	11/13/2023	■					
	Start Up & Testing	0	0	N/A	N/A	N/A						
	Final Inspection, Punchlist, Acceptance and Certifications	0.5	0.2	40.7	11/13/2023	12/2/2023			■			
Project Close-Out Documentation Submission	0.5	0.2	41.2	12/2/2023	12/9/2023				■			

SECTION 4: Personnel Assigned to the Project

SECTION 4 - PERSONNEL ASSIGNED TO THE PROJECT

ORGANIZATIONAL CHART



* New York State PE

PARK AVENUE BRICK SEWER REPAIR AND LINING PROJECT

We carefully selected key members who are highly skilled, knowledgeable and possess the training, education, expertise and judgment to provide quality professional services for this project. Resumes for these individuals, as well as a project team organization chart, are provided as part of this section.

Key Members Brief Relevant Experience



Todd Yanoff, PE (NY), CCM
PROJECT MANAGER

Todd Yanoff has 26 years of diverse construction, engineering and surveying experience. His construction management experience includes CSOs, pump stations, water/wastewater facility upgrades, dams, tunnels, and aqueducts. He served as the Project Manager for various NHSA projects and brings valuable lessons learned and management oversight expertise.



Adam Remick, PE, CCM, ENV SP
RESIDENT ENGINEER

Adam Remick has more than 26 years of experience in civil and environmental engineering, with special expertise in construction management of water and wastewater system capital improvement projects valued up to \$150-million. He managed and supervised a diverse staff of engineers, construction inspectors and safety personnel for land development and public works projects for both private and municipal clients. His past responsibilities included design and construction oversight of diverse commercial and residential land improvements.



Rahul Parab, PE (NY), D.WRE, CFM
TECHNICAL ADVISOR

Rahul Parab has 21 years of planning, engineering design and construction experience on flood resiliency projects. He led and managed multi-disciplinary flood resiliency projects – from policy and planning to design and construction. His portfolio includes several multi-billion dollar coastal flood resiliency projects in the US. Rahul has served as technical advisor on various NHSA projects.



STEVEN BENOSKY, PE
BID PHASE SERVICES AND CONSTRUCTION PHASE SERVICES

Steven Benosky has 27 years of civil engineering experience servicing a variety of public and private clients. His experience includes the evaluation, design, and permitting of potable water facilities including water mains, pump stations, water tanks, and treatment facilities.



JAMES SCHAPPELL, PE
BID PHASE SERVICES AND CONSTRUCTION PHASE SERVICES

James Schappell has experience working for both public and private clients in many different facets of the industry including potable water treatment, distribution and transmission, as well as wastewater treatment, conveyance and collection.



MICHAEL HIRSCHBERGER, PE
BID PHASE SERVICES AND CONSTRUCTION PHASE SERVICES

Michael Hirschberger has experience with projects involving water main evaluation and design, booster and fire pump station design, sanitary sewer system design and wastewater treatment plant design. Michael has provided as bid phase services and construction phase services on various NHSA projects.



Todd Yanoff, PE*, CCM

PROJECT MANAGER

As Vice President and Department Manager of Water/Wastewater Construction Services, Todd has diverse experience including infrastructure work on tunnels, dams, aqueducts, CSOs and other water/wastewater facilities including pump stations. Todd is especially adept at organizational and operational assessments and managerial and strategic planning for the effective delivery of projects and major construction initiatives. He is intimately familiar with DEP SOPs, policies, standards, and guidelines. Todd has significant experience with complex projects and understands the driving imperatives of DEP. He served as the Construction Manager for the highly successful Gilboa Dam project and is currently serving as the project manager on two North Hudson Sewerage Authority projects - 11th street combined sewer cleaning and Park Avenue Siphon Access REI projects. He brings valuable lessons learned and management oversight.

Madison Street Area Infrastructure Improvement Phase 1 & 2, North Hudson Sewerage Authority (NHSA), Hoboken, NJ, Project Manager.

Responsible for overseeing the relocation of 268 LF of concrete-encased conduit. This phase of work included roadway excavation and support, conduit installation, electrical manhole expansion, concrete placement, asphalt paving. Inspected and supervised the various work elements for the project.

11th Street Combined Sewer Cleaning, NHSA, Hudson County, NJ, Project Manager.

Responsible for overseeing the cleaning and inspecting of approximately 2,900 linear feet of combined sewer ranging in diameter size from 48-inch to 96-inch within 11th Street located in Hoboken, New Jersey. The project also includes the installation of eight access structures at specific locations as shown on the Contract drawings. In addition, the existing access structures will be sealed and abandoned.

Park Avenue Siphon Access REI, NHSA, Hudson County, NJ, Project Manager.

Responsible for overseeing the constructing a Precast Access Chamber on the Park Avenue Siphon along Park Avenue in Weehawken, New Jersey. The access chamber and associated valves will allow for the isolation and cleaning of the Park Avenue Siphons. The project consists of the procurement and installation of a new 16-foot by 10 feet wide Precast Access Chamber, one 12-inch insertion valve and one 24-inch insertion valve, and procurement and one 12-inch Wedge Gate Valve and one 24-inch Wedge Gate Valve.

Term Agreement for Construction Inspection Services (D214163), New York State Thruway Authority, New York Division, NY, Contract Manager.

Construction inspection support services for horizontal and vertical construction contracts and other types of contracts under a three-year term agreement. Provided experienced staff under this contract that fall outside of NYSTA's capital program to supplement NYSTA's staff as needed. A key issue of this contract was responsiveness, safety, and maintenance and protection of traffic. Identified appropriate personnel and responded immediately for emergency assignments.

• **EDUCATION**

BS • New Jersey Institute of Technology • Engineering Technology • 2006

BS • New Jersey Institute of Technology • Civil Engineering • 2000

• **REGISTRATIONS**

Professional Engineer • NY

Certified Construction Manager

OSHA 30-Hour Construction Safety and Health Training Course

* New York City PE

• **YEARS OF EXPERIENCE**

Dewberry • 14

Prior • 12

• **AFFILIATIONS**

Association of State Dam Safety Officials (ASDSO)

New York Water Environment Association (NYWEA)

American Council of Engineering Companies (ACEC)

* New York State PE



Adam Remick, PE, CCM, ENV SP
RESIDENT ENGINEER

Adam Remick has more than 26 years of experience in civil and environmental engineering, with special expertise in construction management of water and wastewater system capital improvement projects valued up to \$150-million. He has managed and supervised a diverse staff of engineers, construction inspectors and safety personnel for land development and public works projects for both private and municipal clients. Most recently, Adam managed multiple construction contracts for the NYCDEP, Veolia, and the Passaic Valley Sewerage Commission (PVSC).

• **EDUCATION**

BS • New Jersey Institute of Technology • Surveying Engineering Technology
• 2004

BS • New Jersey Institute of Technology • Civil Engineering • 2001

• **REGISTRATIONS**

Professional Engineer • NY and NJ

CCM:10372, Exp. 9/26

ENV SP: 23264, Exp. 9/24

OSHA 30-Hour Construction Safety and Health Training Course

OSHA 10-Hour Construction Safety and Health Training Course

DEP Spill Prevention and Response 2019

• **YEARS OF EXPERIENCE**

Dewberry • 4

Prior • 22

• **AFFILIATIONS**

New York Water Environment Association (NYWEA)

Construction Management Association of America

Institute for Sustainable Infrastructure

Construction Inspection Services for Main Street Watermain Replacement, Veolia North America, Hackensack, NJ. Project Engineer.

Scope of work included replacement of approximately 2,500 LF of 6", 8" and 12" water main, rehabilitation of existing water main utilizing CIPP lining and reconnection of existing water services and replacement of lead service lines. Responsible for oversight of inspection team to verify work complied with project plans and specification including proper MPT, construction of thrust blocks, disinfection, compaction of trench and the proper replacement of asphalt pavement in trench areas. Maintained as-built plans indicating location and depth of water mains and appurtenances. Updated clients GIS database for on-going asset management.

DEP, CS-NCFLO Newtown Creek CSO Floatables Control, Queens and Brooklyn, NY, Resident Engineer.

DEC Consent Order \$42-million project included modifications to existing combined sewer diversion chambers to allow for the installation of bending weirs and floatables control baffles at four locations in Queens and Brooklyn, NY. Major construction tasks included installation of bending weirs and floatable control baffles, construction of counter weight chambers, modifications to the regulators and installation of sluice gates, installation of instrumentation, relocation of a trunk water main, restoration of existing brick sewer, streets and sidewalk areas. Recognized as top five RI2 construction projects, project team including Dewberry/OBG JV.

Final Clarifier Tank Rehabilitation and Lining, Passaic Valley Sewerage Commission, Newark, NJ, Resident Engineer.

This \$22-million project scope included rehabilitation and lining of 12 final clarifier tanks including concrete repairs, crack injection and coating with 100% solids epoxy lining system. Major Construction tasks included expansion and construction joint removal and replacement, pressure grouting for leaks and cracks, concrete grout for floor delamination repair, concrete spalling and reinforcement bar treatment, concrete resurfacing and protective lining for final clarifier walls, knee walls and columns, and sluice gate influent valve installation.

DEL-424-CM Construction Management Services for the Reconstruction of Honk Falls Dam, DEP, Napanoch, NY, Resident Engineer.

Providing construction management services for the decommissioning and reconstruction of the Honk Falls Dam. The DEP is charged with the responsibility of the overall operation and maintenance of the vast water and wastewater infrastructure serving New York City (NYC). The project scope includes lowering the dam by approximately 12 feet and stabilizing it with new anchor bars and a concrete spillway cap. In addition, the scope also includes stream and wetland restoration of Rondout Creek.



Rahul Parab, PE*, D.WRE, CFM

TECHNICAL ADVISOR

Rahul Parab has more than 21 years of planning, engineering design and construction experience on flood resiliency projects. He led and managed full life cycle of multi-disciplinary flood resiliency projects – from policy and planning to design and construction - for a range of clients including NYC, NYS, FEMA, USACE and others. His project portfolio includes several multi-billion dollar coastal flood resiliency projects in the US. He is a recognized leader with exceptional integration skills who led his projects to receive ACEC New York and national awards. He served as a lead peer reviewer and project manager on coastal resiliency projects designed by USACE-New York District.

Madison Street Area Infrastructure Improvement Phase 1 & 2, NHTSA, Hoboken, NJ Technical Advisor. Work involved the relocation of 268 LF of concrete-encased conduit. This phase of work included roadway excavation and support, conduit installation, electrical manhole expansion, concrete placement, asphalt paving. I inspected and supervised the various work elements for the project.

NHTSA 11th Street Combined Sewer Cleaning, NHTSA, Hudson County, NJ, Technical Advisor. Work involved cleaning and inspecting approximately 2,900-LF of combined sewer ranging in diameter size from 48-inch to 96-inch within 11th Street located in Hoboken, New Jersey. The project also includes the installation of eight access structures to be installed at specific locations as shown on the Contract drawings. In addition, the existing access structures will be sealed and abandoned.

Rebuild-By-Design Climate Resiliency Study and Environmental Impact Statement, NJ TRANSIT, Hoboken, NJ, Chief Engineer and Deputy Project Manager. Responsible for feasibility assessment and preliminary design of the coastal flood risk reduction system and stormwater management system that would reduce flood risks from coastal storm surge and rainfall events in the City of Hoboken and parts of Weehawken and Jersey City. Responsibilities included oversight of the development of integrated coastal and stormwater models, integration of urban design and landscape architectural elements into engineering design of coastal flood risk reduction system consisting of flood walls, berms and gates closure structures, and multidisciplinary team coordination covering aspects of engineering, architecture, urban design, landscape architecture and environmental disciplines.

Red Hook Integrated Flood Protection System Feasibility Study, NYCEDC, Brooklyn, NY, Project Manager. Responsible for project management of nine subconsultants and provided technical guidance to the project delivery team for conducting a feasibility study that involved developing a comprehensive flood management system to reduce flood risks from coastal storm surge. The final chosen integrated flood protection systems are located in two areas within Red Hook – Beard Street and Atlantic Basin – and are designed to protect Red Hook from a 10-year coastal storm surge and one foot of Sea Level Rise. Led the participation for the Dewberry team in community engagement and inter-agency stakeholder engagement to confirm that feedback was incorporated into the final project solution. Pioneered the development of an innovative coastal flood protection solution that eliminates the need for a deployable system. Verified that the project met FEMA's HMGP application criteria as well as the City's design criteria to build various components of the flood protection system.

• EDUCATION

MS • University of Toledo
• Civil Engineering • 2003

BS • Mumbai University •
Engineering • 2001

• REGISTRATIONS

PE • NY, TX

Certified Floodplain
Manager

Diplomate, Water
Resources Engineer

* New York State PE

• YEARS OF EXPERIENCE

Dewberry • 9

Prior • 12

• AFFILIATIONS

New York Water
Environment Association

New York State Floodplain
and Stormwater
Managers Association

Society of American
Military Engineers

American Academy
of Water Resources
Engineers

American Society of Civil
Engineers

North Carolina Association
of Floodplain Managers

Association of State
Floodplain Managers



Noah Baumgarten

INSPECTOR

Noah Baumgarten is a Construction Inspector with experience working on multiple jobs for New Jersey clients including North Hudson Sewerage Authority .

11th Street Combined Sewer Cleaning, NHSA, Hudson County, NJ, Inspector. Provided construction management services to add 10 additional Cleaning Access Chambers to Hoboken’s 11th Street combined trunk sewer. The project added access points to the box sewers in excavation ranging from 3-feet deep to 14-feet deep. The project was in a narrow main thoroughfare within Hoboken requiring management of many roadway shut downs and close coordination with the community.

Madison Street Infrastructure Improvement, NHSA, Hoboken NJ, Inspector. This project involves the relocation of 268 LF of concrete-encased conduit. This phase of work included roadway excavation and support, conduit installation, electrical manhole expansion, concrete placement, and asphalt paving. Inspected the various work elements for the project.

Sewer Separation Program Phases 1-2, Jersey City Municipal Utilities Authority, Jersey City, NJ, Punchlist Inspector. Conducted punch list inspections for above ground deficiencies (such as curbs, sidewalks, and adjoining slabs), as part of JCMUA’s multi-phase sewer separation program to reduce combined sewer overflows. This program involves constructing new sewers and rehabilitating existing sewers in various Jersey City streets.

SE811 REI for Installation of Storm and Sanitary Sewers in the NB Whitestone Express Road, Phase 3, New York City Department of Design and Construction, Queens, NY, Inspector . This \$45-million project, scope included installation of 7’ x 6’ box sewers, concrete chambers, installation of access manholes, micro tunneling under NB Whitestone service roads, installation of helical piles, street lights, and traffic signals.

NYSTA Term Agreement Task Orders 1 thru 5 (Contract Nos. D214823, D214906 & D214900), NYSTA, Westchester, NY, Inspector. Project includes the preparation of the roadway for shifting traffic, including reconstruction of shoulders; installing and maintaining the required stormwater pollution prevention and erosion control measures; clearing and grubbing; complete vertical lifting of the three bridges over I-95 (Old White Plains Road Bridge, West Street and Boston Post Road (US Route 1) Bridge), including the temporary concrete barrier to be provided along the shoulders during non-working periods to provide the positive protection from the temporary jacking towers. Work also includes milling of the I-95 mainline, pavement joints and cracks, full depth pavement repairs along the I-95 mainline and reconstruct the right shoulder; altered drainage structures along the right side of the I-95 mainline to new top elevation of the HMA overlay, drainage frame and grate work, resurfacing along the right side of the I-95 mainline, guide railing and guide railing end treatments at various locations, new pavement markings, topsoil and turf and work zone traffic.

- **EDUCATION**

BS • The Pennsylvania State University • Civil Engineering • 2021

- **REGISTRATIONS**

Engineer in Training • NJ

ACI Concrete Field Testing Technician, Grade I

NJSAT HMA Construction Technologist

NYCDDC Water Main Inspection Certification

Secure Worker Access Consortium

OSHA 10-Hour Construction Training

- **YEARS OF EXPERIENCE**

Dewberry • 2



Granderson Cross

INSPECTOR

Granderson Cross is an inspector with experience in paving, mill and fill, stripping, clearing and grubbing, and loop installation.

NYSTA Term Agreement Task Orders 1 thru 5 (Contract Nos. D214823, D214906 & D214900), NYSTA, Westchester, NY, Inspector. Project includes the preparation of the roadway for shifting traffic, including reconstruction of shoulders; installing and maintaining the required stormwater pollution prevention and erosion control measures; clearing and grubbing; complete vertical lifting of the three bridges over I-95 (Old White Plains Road Bridge, West Street and Boston Post Road (US Route 1) Bridge), including the temporary concrete barrier to be provided along the shoulders during non-working periods to provide the positive protection from the temporary jacking towers. Work also includes milling of the I-95 mainline, pavement joints and cracks, full depth pavement repairs along the I-95 mainline and reconstruct the right shoulder; altered drainage structures along the right side of the I-95 mainline to new top elevation of the HMA overlay, drainage frame and grate work, resurfacing along the right side of the I-95 mainline, guide railing and guide railing end treatments at various locations, new pavement markings, topsoil and turf and work zone traffic.

Field Engineer, Various Projects, Newburg, New York.

Responsibilities included the following:

- Coordinated with contractors and subcontractors to verify that performed work was completed in accordance with the outlined plans
- Created reports and payment items to be approved by Chief Inspector
- Utilized Microsoft Excel to keep track of ongoing operations, as well as help the office organize various quantities either measured, paid out or pending
- Projects include pavement striping and markings (I-95, GSP), paving operations (I-95, GSP), and assisting traffic control (I-95, GSP)

Field Engineer, Various Project, Harrison, NY.

Responsibilities included the following:

- Sole inspector for stripping project that included parts of I-87/I-95/I-287
- Assisted with estimates for stripping project
- Created reports and payment items to be approved by the Engineer-in-Charge

New York State Thruway Authority, Trainee Inspector.

Responsibilities included the following:

- Confirming that the work done on site is completed as per the project's drawings and specifications.
- Reading and referencing plan drawings, as well as measuring and recording quantities of materials used and the quality of said materials.
- Submitting an engineering report on the assigned tasks observed for the day, as well as submitting payment items for work completed on site so the contractor gets paid.

- **EDUCATION**

BS • State University of New York at Buffalo • Mechanical Engineering • 2020

- **YEARS OF EXPERIENCE**

Dewberry • 1
Prior • 2



Steven Benosky, PE

BID PHASE SERVICES AND CONSTRUCTION PHASE SERVICES

Steven Benosky provides civil engineering services to a variety of public and private clients. His experience includes the evaluation, design, and permitting of potable water facilities including water mains, pump stations, water tanks, and treatment facilities. He also has experience in the evaluation and design of sanitary sewage facilities including sewer mains and interceptors, pump stations, and infiltration and inflow studies; drainage systems and flood control projects including hydrologic and hydraulic modeling; and the inspection and design of various types of dams.

- **EDUCATION**
BS • Civil Engineering •
Clarkson University • 1995
- **REGISTRATIONS**
PE • NJ, NY, MA
NJDEP Flood Hazard Area
Program Certificate
- **YEARS OF EXPERIENCE**
Dewberry • 21
Prior • 6
- **AFFILIATIONS**
American Council of
Engineering Companies
of New Jersey Water and
Wastewater Committee
Association of State Dam
Safety Officials
Water Environmental
Federation, Member
American Water Works
Association, Member

Route 7 Wittpenn Bridge over the Hackensack River, New Jersey Department of Transportation, Jersey City and Kearny, NJ. Water Resources Engineer.

Design of a new stormwater pump station consisting of three large vertical turbine pumps and two smaller submersible pumps. The pump station, rated for 80 cfs, prevents flooding of Route 7 and surrounding areas. This \$730-million project involves highway design, drainage, utilities, complex maintenance and protection of traffic, and final design documents for replacement for the Route 7 Wittpenn Bridge over the Hackensack River and related approach interchange work.

Route 46 Little Ferry Circle Stormwater Pumping Station, NJDOT, Little Ferry, NJ. Project Engineer.

Responsible for the design of the 106 cubic feet per second (cfs) pump station including the selection of pumps, wet well layout, mechanical bar screen, and pump discharge piping and outfalls for this 50-foot by 30-foot stormwater pumping station for Route 46 Little Ferry Circle roadway improvements. This western section approach to the Route 46 Bridge over the Hackensack River has a history of periodic flooding, with low-lying storm sewer systems discharging to the tidally influenced river. Included coordination with NJDOT and submission of permits to NJDEP and NJDCA.

Vincent Place Stormwater Pumping Station, Borough of Teterboro, NJ. Engineer.

Responsible for preparing plans and specifications and overseeing construction of the 175 cfs Vincent Place stormwater pumping station. Work includes the design of 84-inch storm drains, detailed layout of the pump station facility including six 72-inch screw pumps, coordination of electrical, structural, and architectural work, and the demolition of two existing pump stations.

Port Elizabeth Phase II Water System Stage I Study, Port Authority of New York and New Jersey (PANYNJ), Union County, NJ. Senior Engineer.

This project involved a study to establish the overall condition of the existing water distribution system, present alternatives for improvements, and estimate rehabilitation costs. The scope of work included developing a computer model of the system, evaluating the adequacy of the fire suppression system including the fire pump building and the need for fire-water storage tanks, and proposing a water distribution system to support the future layout of the Elizabeth Port Authority Marine Terminal.

World Trade Center (WTC) River Water Pump Station Upgrades Sluice Gate Replacement, Stage I, PANYNJ, New York, NY. Project Manager.

Responsible for civil, structural, mechanical, and electrical engineering for conceptual design, alternative evaluation, and development of a construction cost estimate for this project that involves the replacement of the sluice gates controlling the water flow as part of the WTC Central Chiller Plant's cooling operations.



James Schappell, PE

BID PHASE SERVICES AND CONSTRUCTION PHASE SERVICES

James Schappell is a water/wastewater engineer who has experience working for both public and private clients in many different facets of the industry including potable water treatment, distribution and transmission, as well as wastewater treatment, conveyance and collection. He served on projects in phases from planning to design, and through construction and gained additional industry experience by successfully managing the operation of a municipal water and wastewater system. In addition, James has a background in land surveying where he has experience in producing boundary, topographic, and as-built surveys, and experience performing construction stakeouts.

- **EDUCATION**

BS • Civil Engineering •
Rutgers University • 2015

- **REGISTRATIONS**

PE • NJ, NY
OSHA 10-Hour
Construction Safety and
Health • 2021
NYCDDC Water Main
Inspection Certification

- **YEARS OF EXPERIENCE**

Dewberry • 5
Prior • 3

- **AFFILIATIONS**

American Water Works
Association
New Jersey Water
Association

CCTV Rev-Sewer Rehabilitation, Phase 1-2, Jersey City Municipal Utilities Authority, Jersey City, NJ, Project Manager. Responsible for reviewing CCTV footage to identify deficiencies within the new/rehabilitated sewer pipes as part of JCMUA's multi-phase sewer separation program to reduce combined sewer overflows. This program involves constructing new sewers and rehabilitating existing sewers in various Jersey City streets.

New York Master Service Agreement, Veolia, Various Locations, NY and NJ, Project Manager. Responsible for coordinating surveys, producing detailed plans, specifications, engineering reports and cost estimates, obtaining permits, and providing construction inspection for water main replacement projects.

Linden Street Lead Service Line Replacement (LSLR) Engineering Inspection Services, Veolia, Teaneck, NJ, Project Manager. Replacement/upgrade of approximately 2,500-LF of 4-inch water main with new 8-inch ductile iron water main, transferring/renewal of approximately 84 services, replacing four hydrants, and tie-over/cut and caps at six intersections. Services included coordinating dig and determining efforts for the existing services; assisting SUEZ in notifying customers of the LSLR program; coordinating with the contractors for customers opting in to the program; and full-time construction inspection of project, including preparation of daily inspection reports, assisting with compliance with SUEZ's LSLR program, documenting new assets, materials tracking, collection of field data, and reviewing potential change orders and monthly payment applications.

Water Main Rehabilitation with Spray Epoxy Liner, Veolia, Grand View-on-Hudson, NY, Project Manager. Construction administration and inspection services for the cleaning and lining of approximately 8,000-LF of circa 1900 12-inch cast iron water main. The lining process was completed using a Warren Environmental two-part thixotropic epoxy which was installed with a centrifugally spun applicator. The project required phased bypass piping to provide temporary water service to over 100 residents during the lining installation process. Dewberry coordinated the sampling and disinfection to receive approval from the local department of health to verify conformance with applicable regulations. The project also included coordinated shutdowns and relocation of several sections of the 12-inch water main to accommodate a future County roadway reconstruction project and associated storm infrastructure.



Michael Hirschberger, PE

BID PHASE SERVICES AND CONSTRUCTION PHASE SERVICES

Michael Hirschberger has experience with civil and environmental engineering projects serving local, county, state, and quasi-state government clients. His projects involve water main evaluation and design, booster and fire pump station design, sanitary sewer system design and wastewater treatment plant design. He also has experience in construction inspection of wastewater treatment plant rehabilitation projects and water transmission line installation projects.

- **EDUCATION**

ME • The Cooper Union for the Advancement of Science and Art • Civil Engineering • 2016

BE • The Cooper Union for the Advancement of Science and Art • Civil Engineering • 2015

- **REGISTRATIONS**

PE • NJ, NY

- **YEARS OF EXPERIENCE**

Dewberry • 4

Prior • 3

Madison Street Area Infrastructure Improvement Phase 1 & 2, NHSA, Resident Engineer, Weehawken, NJ. This project involves the relocation of 268-LF of concrete-encased conduit. This phase of work included roadway excavation and support, conduit installation, electrical manhole expansion, concrete placement, asphalt paving. I inspected the various work elements for the project.

11th Street Combined Sewer Cleaning, North Hudson Sewerage Authority, Hudson County, NJ, Bid Phase Services and Construction Phase Services. Work involves cleaning and inspecting approximately 2,900-LF of combined sewer ranging in diameter size from 48-inch to 96-inch within 11th Street located in Hoboken, NJ. The project also includes the installation of eight access structures to be installed at specific locations as shown on the contract drawings. In addition, the existing access structures will be sealed and abandoned.

Park Avenue Siphon Access REI, North Hudson Sewerage Authority, Hudson County, NJ, Bid Phase Services and Construction Phase Services. Constructing a Precast Access Chamber on the Park Avenue Siphon along Park Avenue in Weehawken, NJ. The access chamber and associated valves will allow for the isolation and cleaning of the Park Avenue Siphons. The project consists of the procurement and installation of a new 16-feet by 10 feet wide Precast Access Chamber, one 12-inch insertion valve and one 24-inch insertion valve, and procurement and one 12-inch Wedge Gate Valve and one 24-inch Wedge Gate Valve.

Master Service Agreement, Veolia, Various Locations, NY and NJ, Staff Engineer. Responsible for coordinating surveys, producing detailed plans, specifications, engineering reports and cost estimates, obtaining permits, and providing construction inspection for water main replacement projects. Also provides engineering services including performing alternatives analyses and chlorine contact time calculations.

World Trade Center (WTC) River Water Pump Station Upgrades Sluice Gate Replacement, Stage I, PANYNJ, New York, Staff Engineer. Supporting civil, structural, mechanical, and electrical engineering for conceptual design, alternative evaluation, and development of a construction cost estimate for this project that involves the replacement of the sluice gates that control the water flow as part of the WTC central chiller plant's cooling operations.

Installation of a 16-Inch Water Transmission Line, Westchester Joint Water Works, Town of Harrison and Village of Mamaroneck, NY, Engineer. Responsible for the construction inspection of the installation of a new 10,000-LF 16-inch water transmission line. Duties included taking photographs of construction progress, writing daily reports, drawing sketches, and verifying overall conformance to contract documents.

SECTION 5: Relevant Experience of Firm

SECTION 5 - RELEVANT EXPERIENCE OF THE FIRM

Madison Street Area Infrastructure Improvements Phase 1 & 2

WEEHAWKEN, NJ

Dewberry is providing construction inspection services for this \$7.6M construction project that includes infrastructure improvements, significantly to the combined sewer, water main replacement, electrical duct bank relocation and roadway reconstruction to include grade changes along Madison Street between 9th and 11th Streets in Hoboken, NJ.

This project will be performed in two phases.

Phase 1 entails the relocation of 268-LF of PSEG concrete encased electrical duct bank, expansion of two electrical manhole structures, asbestos abatement, utility conflict resolution and asphalt paving.

Phase 2 entails the replacement of approximately 1,800-LF of combined sewers and installation of new manholes and inlets; the replacement of approximately 2,000 LF of water main and roadway reconstruction.

Since the underlying soils are very weak, both the combined sewer and watermain will have to be installed on piles with concrete cradles.

Phase 1 of this project has a construction cost of \$574,750 and Phase 2 of this project is estimated at a construction cost of \$7-million.

Scope of work includes the replacement of sewer line for two blocks, raise street elevation, and replacement of water and electric duct bank.

As part of the construction administration and REI services Dewberry performed daily project inspection and documentation, validation and advancement of contractor invoice, management and certification of project change orders to include negotiations, project close out services, and pertinent meetings.

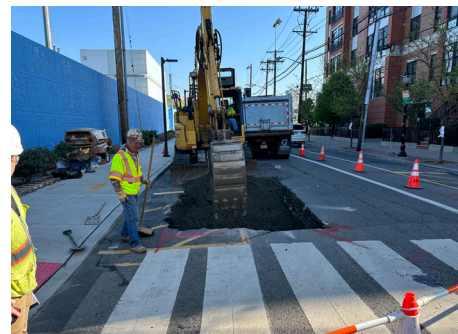
- **COST** \$7.6-million
- **COMPLETION** Ongoing
- **CLIENT CONTACT**
Donald Conger III, PE
North Hudson Sewerage Authority
201.963.6043



Concrete duct removal for Manhole 280 Expansion. Madison Street Area Infrastructure Improvement, Phase 1



Temporary Asphalt Paving Madison Street Area Infrastructure Improvement Phase 1



Pavement Removal to expand Manhole 280 Madison Street area Infrastructure Improvement Phase 1

Park Avenue Siphon Access Chamber Resident Engineering Inspection (REI) WEEHAWKEN, NJ

Dewberry provided construction engineering services for the construction of this concrete access chamber. The access chamber and associated valves were planned for the isolation and cleaning of the Park Avenue Siphons. The project consists of the following general elements of work:

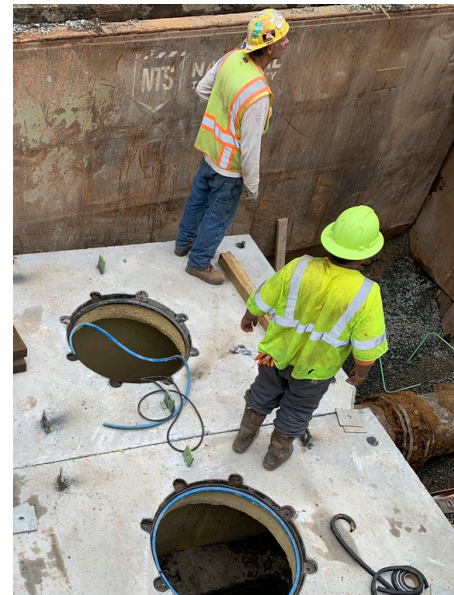
- Redesign and installation of a new dual level, bi-chambered reinforced steel concrete pressurized Siphon Access Chamber
- Procurement one 24-inch wedge gate
- Procurement and installation of Siphon air release valves

The planned siphon chamber system involved the addition of valves and a new bi-level pressure chamber over an existing Siphon Sewer, which was the main conveyance of sewage from West New York and Weehaken to NHSA's plant in Hoboken. Dewberry's role was to manage and oversee the construction of the pressure chambers and the valving system. Following preliminary field exploration and redesigns it was determined that the chambers would need to be poured in place and the valve arrangement changed. Dewberry guided the field exploration and redesigns, our inspectors and resident engineers provided guidance and oversight on the critical concrete placement for the pressure chambers, and we provided experienced oversight on changes in the steel design to confirm that the final product met code and NHSA requirements.

Dewberry also oversaw, conveyance pipe changes, phasing the work for sewer flows expected, permitting, and traffic control. The project was located next to the mouth of the Lincoln Tunnel in an extremely complex traffic thoroughfare which required close monitoring to maximize traffic safety to maintain both critical sewer and traffic flows. Activation of the chamber showed issues with the downstream siphon piping and Dewberry's resident engineers and inspector's on short notice managed the siphon repairs and investigations into the issues causing the downstream piping to fail. Also provide recommendations on steps for subsequent projects. This work required flexible response for night work and shift coverage.

As part of the construction administration and REI services Dewberry performed submittal review, redesign management, daily project inspection and documentation, of contractor invoice validation and advancement, management and certification of project change orders, project close out services, and pertinent meetings.

- **COST** \$143,400 (FEE)
- **COMPLETION** 2023
- **CLIENT CONTACT**
Donald Conger III, PE
North Hudson Sewerage
Authority
201.963.6043



11th Street Combined Trunk Sewer Access Chambers and Cleaning Project | HOBOKEN, NJ

Dewberry provided the North Hudson Sewerage Authority (NHSA) with construction management services on a project to add 10 additional Cleaning Access Chambers to Hoboken's 11th Street combined trunk sewer. The project added access points to the box sewers in excavation ranging from 3-feet (ft) deep to 14-ft deep. The project was in a narrow main thoroughfare within Hoboken requiring management of many roadway shut downs and close coordination with the community. The areas of excavation included historical streets with sensitive tree lined roads and major schools. The schedule of the project was closely managed and coordinated with the contractor in order to avoid impact to the school. Close coordination was also performed with other paving contracts in the area.

Upon completion of the construction of the additional cleaning access chambers, the work included cleaning and inspecting approximately 2,900 linear feet of combined sewer ranging in size from 4-ft by 4.75-ft box to 7-ft by 4.75-ft box for the full length of 11th street.

Specific tasks include contract execution and pre-construction meeting, resident engineering/inspection, Authority's agent during construction, and construction administration.

- **COST** \$149,000 (FEE)
- **COMPLETION** 2023
- **CLIENT CONTACT**
Donald Conger III, PE
North Hudson Sewerage Authority
201.963.6043

REIS for the Installation of Storm and Sanitary Sewers along the Whitestone Expressway Service Road, SE-809 QUEENS, NY

This project installed 7,000-LF of new Flat Top Reinforced Concrete sewers including 9-feet by 9-feet 6-inches, sanitary sewer, Continuous Flight Augur piles substituted by drill displacement piles, installation of outfall with tidal flow gate, various sizes of distribution water main, ADA-compliant pedestrian curb ramps and sidewalk, roadway restoration, street lighting, utility relocations, traffic signal work, tree planting and landscaping. Dewberry's REIS tasks included:

- 123,000-LF of drill displacement piles
- 2,957.00-LF of 7'6" x 9' single barrel flat top reinforced concrete storm sewer
- 3,000.00-LF of 9' x 9' single barrel flat top reinforced concrete storm sewer
- 1,500.00-LF of various size RCP III storm sewer
- 1,500.00-LF of various size ESVP sanitary sewers
- 8,000.00-LF of various sizes distribution water main
- 123,000 Tons of wearing course and binder asphalt
- Installation of cofferdam and tide gate on Flushing River
- Installation of street lights and traffic signals
- Installation of various size chambers, siphon chamber, access manholes and standard manholes
- Installation of catch basins and removal of old seepage basins
- Construction of new concrete bus pad
- Interagency coordination (NYCDPR, NYCDOT, NYCOCMC, NYCDOT)
- Extensive community outreach and agency coordination
- Maintenance and protection of traffic

- **COST** \$67.5-million
- **COMPLETION** 2018
- **CLIENT CONTACT**
Lambert Monah, PE
New York City
Department of Design and Construction
718.391.2469





www.dewberry.com