



Certified:

E-16-21

NIFS ID:CFPW20000045 Department: Public Works

Filed with the Clerk of the
Nassau County Legislature
January 21, 2021 4:04 pm

Capital: X

SERVICE: Bay Park Replacement Wells

Contract ID #:CFPW20000045

NIFS Entry Date: 22-DEC-20

Term: from 01-DEC-20 to 30-NOV-21

New
Time Extension:
Addl. Funds:
Blanket Resolution:
RES#

1) Mandated Program:	N
2) Comptroller Approval Form Attached:	Y
3) CSEA Agmt. § 32 Compliance Attached:	N
4) Material Adverse Information Identified? (if yes, attach memo):	N
5) Insurance Required	N

Vendor Info:	
Name: United States Geological Survey	Vendor ID#: 530196958
Address: P.O. Box 6200-27 Portland, OR 97228-6200	Contact Person: Tracy Bristol
	Phone: 518-285-5626

Department:
Contact Name: Kenneth Fischgrund
Address: NCDPW-Water/Wastewater Engineering Cedar Creek WPCP Building "R", 3rd Floor 3340 Merrick Road Wantagh, NY 11793 Phone: 516-571-7517

Routing Slip

Department	NIFS Entry: X	22-DEC-20 -- LDIONISIO
Department	NIFS Approval: X	23-DEC-20 -- RDALLEVA
DPW	Capital Fund Approved: X	23-DEC-20 -- RDALLEVA
OMB	NIFA Approval: X	29-DEC-20 -- CNOLAN
OMB	NIFS Approval: X	23-DEC-20 -- NGUMIENIAK

County Atty.	Insurance Verification: X	23-DEC-20 -- NSARANDIS
County Atty.	Approval to Form: X	23-DEC-20 -- NSARANDIS
CPO	Approval: X	29-DEC-20 -- KOHAGENCE
DCEC	Approval: X	04-JAN-21 -- JCHIARA
Dep. CE	Approval: X	04-JAN-21 -- BSCHNEIDER
Leg. Affairs	Approval/Review: X	21-JAN-21 -- JSCHANTZ
Legislature	Approval:	
Comptroller	Deputy:	
NIFA	NIFA Approval:	

Contract Summary

Purpose: This is an agreement with the United States Geological Survey for the replacement of one monitoring well, screened in the Lloyd Aquifer located at Bay Park; geophysical logging, collection and analysis of water and sediments, and an aquifer performance test.
Method of Procurement: The USGS is the sole provider of the services.
Procurement History: N/A
Description of General Provisions: The work being done under this agreement include geophysical logging, collection and analysis of water and sediments, and an aquifer performance test, drill boreholes, geophysically log open boreholes; install 4" Schedule 80 PVC male-x-male casings and screens connected by 4" Schedule 120 PVC female couplings and end caps, all with National Pipe Thread; gravel pack, sand seal and grout annular space; develop wells; install locking box and cover or standpipe, obtain water levels, pump wells for water samples; test for VOC's, Inorganics, Chlorides, Pesticides, Emerging Contaminants such as PFO/PFOA, 1,4-Dioxane.
Impact on Funding / Price Analysis: Maximum amount of \$428,700.00 to come from Project 35123.
Change in Contract from Prior Procurement: N/A
Recommendation: (approve as submitted) Approve as Submitted

Advisement Information

BUDGET CODES		FUNDING SOURCE	AMOUNT	LINE	INDEX/OBJECT CODE	AMOUNT
Fund:	CSW					
Control:	35	Revenue		1	PWCSWEFC/35123	\$ 428,700.00
Resp:	123	Contract:			/00004/001	\$ 0.00
Object:	00004	County	\$ 0.00			\$ 0.00
Transaction:	CF	Federal	\$ 0.00			\$ 0.00
Project #:	35123	State	\$ 0.00			\$ 0.00
Detail:	001	Capital	\$ 428,700.00			\$ 0.00
		Other	\$ 0.00			\$ 0.00
		TOTAL	\$ 428,700.00		TOTAL	\$ 428,700.00

RENEWAL	
% Increase	
% Decrease	

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RULES RESOLUTION NO. – 2021

A RESOLUTION AUTHORIZING THE COUNTY EXECUTIVE TO EXECUTE AN AGREEMENT BETWEEN THE COUNTY OF NASSAU, ACTING ON BEHALF OF THE NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS AND U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR

WHEREAS, the County has negotiated an agreement with the U.S. Geological Survey, United States Department of the Interior for Water Resource Investigations involving the Bay Park Replacement Wells, a copy of which is on file with the Clerk of the Legislature; now, therefore, be it

RESOLVED, that the Rules Committee of the Nassau County Legislature authorize the County Executive to execute the said agreement with the U.S. Geological Survey, United States Department of the Interior



Nassau County Interim Finance Authority

Contract Approval Request Form (As of January 1, 2015)

1. **Vendor:** United States Geological Survey

2. **Dollar amount requiring NIFA approval:** \$428700

Amount to be encumbered: \$428700

This is a New

If new contract - \$ amount should be full amount of contract

If advisement – NIFA only needs to review if it is increasing funds above the amount previously approved by NIFA

If amendment - \$ amount should be full amount of amendment only

3. **Contract Term: one year**

Has work or services on this contract commenced? N ____

If yes, please explain:

4. **Funding Source:**

General Fund (GEN)	Grant Fund (GRT)	Federal % 0
X Capital Improvement Fund (CAP)		State % 0
Other		County % 0

Is the cash available for the full amount of the contract? N

If not, will it require a future borrowing? Y

Has the County Legislature approved the borrowing? Y

Has NIFA approved the borrowing for this contract? N

5. **Provide a brief description (4 to 5 sentences) of the item for which this approval is requested:**

Replacement of one (1) Bay park monitoring Well screened in the Lloyd Aquifer; geophysical logging, collection and analysis of water and sediments, and an aquifer performance test.

6. **Has the item requested herein followed all proper procedures and thereby approved by the:**

Nassau County Attorney as to form Y

Nassau County Committee and/or Legislature

Date of approval(s) and citation to the resolution where approval for this item was provided:

7. **Identify all contracts (with dollar amounts) with this or an affiliated party within the prior 12 months:**

Contract ID	Date	Amount

AUTHORIZATION

To the best of my knowledge, I hereby certify that the information contained in this Contract Approval Request Form and any additional information submitted in connection with this request is true and accurate and that all expenditures that will be made in reliance on this authorization are in conformance with the Nassau County Approved Budget and not in conflict with the Nassau County Multi-Year Financial Plan. I understand that NIFA will rely upon this information in its official deliberations.

CNOLAN

29-DEC-20

Authenticated User

Date

COMPTROLLER'S OFFICE

To the best of my knowledge, I hereby certify that the information listed is true and accurate and is in conformance with the Nassau County Approved Budget and not in conflict with the Nassau County Multi-Year Financial Plan.

Regarding funding, please check the correct response:

☐ I certify that the funds are available to be encumbered pending NIFA approval of this contract.

If this is a capital project:

I certify that the bonding for this contract has been approved by NIFA.

Budget is available and funds have been encumbered but the project requires NIFA bonding authorization

Authenticated User

Date

NIFA

Amount being approved by NIFA:

Payment is not guaranteed for any work commenced prior to this approval.

Authenticated User

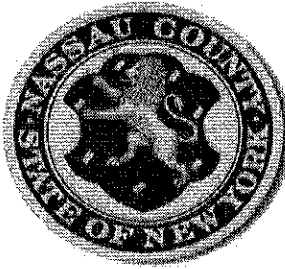
Date

NOTE: All contract submissions MUST include the County's own routing slip, current NIFS printouts for all relevant accounts and relevant Nassau County Legislature communication documents and relevant supplemental information pertaining to the item requested herein.

NIFA Contract Approval Request Form MUST be filled out in its entirety before being submitted to NIFA for review.

NIFA reserves the right to request additional information as needed.

Jack Schnirman
Comptroller



OFFICE OF THE COMPTROLLER
240 Old Country Road
Mineola, New York 11501

COMPTROLLER APPROVAL FORM FOR PERSONAL, PROFESSIONAL OR HUMAN SERVICES CONTRACTS

Attach this form along with all personal, professional or human services contracts, contract renewals, extensions and amendments.

CONTRACTOR NAME: United States Geological Survey

CONTRACTOR ADDRESS: P.O. Box 6200-27, Portland, OR-97228

FEDERAL TAX ID #: 53-0196958

Instructions: Please check the appropriate box ("☐") after one of the following roman numerals, and provide all the requested information.

I. ☐ The contract was awarded to the lowest, responsible bidder after advertisement for sealed bids. The contract was awarded after a request for sealed bids was published in _____ [newspaper] on _____ [date]. The sealed bids were publicly opened on _____ [date]. _____ [#] of sealed bids were received and opened.

II. ☐ The contractor was selected pursuant to a Request for Proposals.

The Contract was entered into after a written request for proposals was issued on _____ [date]. Potential proposers were made aware of the availability of the RFP by advertisement in _____ [newspaper], posting on industry websites, via email to interested parties and by publication on the County procurement website. Proposals were due on _____ [date]. _____ [state #] proposals were received and evaluated. The evaluation committee consisted of: _____

_____ (list # of persons on committee and their respective departments). The proposals were scored and ranked. As a result of the scoring and ranking, the highest-ranking proposer was selected.

III. ☐ This is a renewal, extension or amendment of an existing contract.

The contract was originally executed by Nassau County on _____ [date]. This is a renewal or extension pursuant to the contract, or an amendment within the scope of the contract or RFP (copies of the relevant pages are attached). The original contract was entered into after _____

[describe procurement method, i.e., RFP, three proposals evaluated, etc.] Attach a copy of the most recent evaluation of the contractor's performance for any contract to be renewed or extended. If the contractor has not received a satisfactory evaluation, the department must explain why the contractor should nevertheless be permitted to continue to contract with the county.

IV. ☐ Pursuant to Executive Order No. 1 of 1993, as amended, at least three proposals were solicited and received. The attached memorandum from the department head describes the proposals received, along with the cost of each proposal.

- ☐ A. The contract has been awarded to the proposer offering the lowest cost proposal; **OR:**
- ☐ B. The attached memorandum contains a detailed explanation as to the reason(s) why the contract was awarded to other than the lowest-cost proposer. The attachment includes a specific delineation of the unique skills and experience, the specific reasons why a proposal is deemed superior, and/or why the proposer has been judged to be able to perform more quickly than other proposers.

V. ☒ Pursuant to Executive Order No. 1 of 1993 as amended, the attached memorandum from the department head explains why the department did not obtain at least three proposals.

- ☒ A. There are only one or two providers of the services sought or less than three providers submitted proposals. The memorandum describes how the contractor was determined to be the sole source provider of the personal service needed or explains why only two proposals could be obtained. If two proposals were obtained, the memorandum explains that the contract was awarded to the lowest cost proposer, or why the selected proposer offered the higher quality proposal, the proposer's unique and special experience, skill, or expertise, or its availability to perform in the most immediate and timely manner.
- ☐ B. The memorandum explains that the contractor's selection was dictated by the terms of a federal or New York State grant, by legislation or by a court order. (Copies of the relevant documents are attached).
- ☐ C. Pursuant to General Municipal Law Section 104, the department is purchasing the services required through a New York State Office of General Services contract no. _____, and the attached memorandum explains how the purchase is within the scope of the terms of that contract.

- ☐ **D.** Pursuant to General Municipal Law Section 119-o, the department is purchasing the services required through an inter-municipal agreement.

VI. ☐ This is a human services contract with a not-for-profit agency for which a competitive process has not been initiated. Attached is a memorandum that explains the reasons for entering into this contract without conducting a competitive process, and details when the department intends to initiate a competitive process for the future award of these services. For any such contract, where the vendor has previously provided services to the county, attach a copy of the most recent evaluation of the vendor's performance. If the contractor has not received a satisfactory evaluation, the department must explain why the contractor should nevertheless be permitted to contract with the county.

In certain limited circumstances, conducting a competitive process and/or completing performance evaluations may not be possible because of the nature of the human services program, or because of a compelling need to continue services through the same provider. In those circumstances, attach an explanation of why a competitive process and/or performance evaluation is inapplicable.

VII. ☐ This is a public works contract for the provision of architectural, engineering or surveying services. The attached memorandum provides details of the department's compliance with Board of Supervisors' Resolution No. 928 of 1993, including its receipt and evaluation of annual Statements of Qualifications & Performance Data, and its negotiations with the most highly qualified firms.

Instructions with respect to Sections VIII, IX and X: All Departments must check the box for VIII. Then, check the box for either IX or X, as applicable.

VIII. ☒ Participation of Minority Group Members and Women in Nassau County Contracts. The selected contractor has agreed that it has an obligation to utilize best efforts to hire MWBE sub-contractors. Proof of the contractual utilization of best efforts as outlined in Exhibit "EE" may be requested at any time, from time to time, by the Comptroller's Office prior to the approval of claim vouchers.

IX. ☐ Department MWBE responsibilities. To ensure compliance with MWBE requirements as outlined in Exhibit "EE", Department will require vendor to submit list of sub-contractor requirements prior to submission of the first claim voucher, for services under this contract being submitted to the Comptroller.

X. ☒ Vendor will not require any sub-contractors.

In addition, if this is a contract with an individual or with an entity that has only one or two employees: ☐ a review of the criteria set forth by the Internal Revenue Service, *Revenue Ruling No. 87-41, 1987-1 C.B. 296*, attached as Appendix A to the Comptroller's Memorandum, dated February 13, 2004, concerning independent contractors and employees indicates that the contractor would not be considered an employee for federal tax purposes.



Department Head Signature



Date

NOTE: Any information requested above, or in the exhibit below, may be included in the county's "staff summary" form in lieu of a separate memorandum.

COUNTY OF NASSAU

CONSULTANT'S, CONTRACTOR'S AND VENDOR'S DISCLOSURE FORM

1. Name of the Entity: United States Geological Survey

Address: P.O. Box 6200-27

City: Portland State/Province/Territory: OR Zip/Postal Code: 97228

Country: US

2. Entity's Vendor Identification Number: 530196958

3. Type of Business: Other (specify) Federal Government

4. List names and addresses of all principals; that is, all individuals serving on the Board of Directors or comparable body, all partners and limited partners, all corporate officers, all parties of Joint Ventures, and all members and officers of limited liability companies (attach additional sheets if necessary):

No principals have been attached to this form.

5. List names and addresses of all shareholders, members, or partners of the firm. If the shareholder is not an individual, list the individual shareholders/partners/members. If a Publicly held Corporation, include a copy of the 10K in lieu of completing this section.

If none, explain.

Federal entity

No shareholders, members, or partners have been attached to this form.

6. List all affiliated and related companies and their relationship to the firm entered on line 1. above (if none, enter "None"). Attach a separate disclosure form for each affiliated or subsidiary company that may take part in the performance of this contract. Such disclosure shall be updated to include affiliated or subsidiary companies not previously disclosed that participate in the performance of the contract.

None

7. List all lobbyists whose services were utilized at any stage in this matter (i.e., pre-bid, bid, post-bid, etc.). If none, enter "None." The term "lobbyist" means any and every person or organization retained, employed or designated by any client to influence - or promote a matter before - Nassau County, its agencies, boards, commissions, department heads, legislators or committees, including but not limited to the Open Space and Parks Advisory Committee and Planning Commission. Such matters include, but are not limited to, requests for proposals, development or improvement of real property subject to County regulation, procurements. The term "lobbyist" does not include any officer, director, trustee, employee, counsel or agent of the County of Nassau, or State of New York, when discharging his or her official duties.

Are there lobbyists involved in this matter?

YES ☐ NO ☒

(a) Name, title, business address and telephone number of lobbyist(s):

(b) Describe lobbying activity of each lobbyist. See below for a complete description of lobbying activities.

(c) List whether and where the person/organization is registered as a lobbyist (e.g., Nassau County, New York State):

8. VERIFICATION: This section must be signed by a principal of the consultant, contractor or Vendor authorized as a signatory of the firm for the purpose of executing Contracts.

The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.

Electronically signed and certified at the date and time indicated by:
Courtney Smith [COURTNAYSMITH@USGS.GOV]

Dated: 07/02/2020 10:54:43 AM

Title: Administrative Specialist

The term lobbying shall mean any attempt to influence: any determination made by the Nassau County Legislature, or any member thereof, with respect to the introduction, passage, defeat, or substance of any local legislation or resolution; any determination by the County Executive to support, oppose, approve or disapprove any local legislation or resolution, whether or not such legislation has been introduced in the County Legislature; any determination by an elected County official or an officer or employee of the County with respect to the procurement of goods, services or construction, including the preparation of contract specifications, including by not limited to the preparation of requests for proposals, or solicitation, award or administration of a contract or with respect to the solicitation, award or administration of a grant, loan, or agreement involving the disbursement of public monies; any determination made by the County Executive, County Legislature, or by the County of Nassau, its agencies, boards, commissions, department heads or committees, including but not limited to the Open Space and Parks Advisory Committee, the Planning Commission, with respect to the zoning, use, development or improvement of real property subject to County regulation, or any agencies, boards, commissions, department heads or committees with respect to requests for proposals, bidding, procurement or contracting for services for the County; any determination made by an elected county official or an officer or employee of the county with respect to the terms of the acquisition or disposition by the county of any interest in real property, with respect to a license or permit for the use of real property of or by the county, or with respect to a franchise, concession or revocable consent; the proposal, adoption, amendment or rejection by an agency of any rule having the force and effect of law; the decision to hold, timing or outcome of any rate making proceeding before an agency; the agenda or any determination of a board or commission; any determination regarding the calendaring or scope of any legislature oversight hearing; the issuance, repeal, modification or substance of a County Executive Order; or any determination made by an elected county official or an officer or employee of the county to support or oppose any state or federal legislation, rule or regulation, including any determination made to support or oppose that is contingent on any amendment of such legislation, rule or regulation, whether or not such legislation has been formally introduced and whether or not such rule or regulation has been formally proposed.

REQUEST TO INITIATE

RTI Number 20-0089

REQUEST FOR QUALIFICATIONS/REQUEST FOR PROPOSAL/REQUEST FOR BID CONTRACT

PART I: Approval by the Deputy County Executive for Operations must be obtained prior to ANY RFQ/RFP/RFBC
☐ RFQ ☒ RFP ☐ RFBC ☐ In-House or Requirements Work Order

Proj. Title: Monitoring Well Replacements - Bay Park STPDepartment: Public WorksProject Manager: Kenneth J. FischgrundDate: March 16, 2020

Service Requested: Replace monitoring wells abandoned or destroyed in conjunction with the installation of slurry wall, and other Plant and Park re-construction. Drill boreholes; geophysically log open boreholes; install 4" Schedule 80 PVC male-x-male casings and screens connected by 4" Schedule 120 PVC female couplings and end caps, all with National Pipe Thread; gravel pack, sand seal and grout annular space; develop wells; install locking box and cover or standpipes. Obtain water levels. Pump wells for water samples; test for VOC's, Inorganics, Chlorides, Pesticides, Emerging Contaminants such as PFO/PFOA, 1,4-Dioxane.

Justification: USGS currently working in Nassau County, part of LI Groundwater Sustainability Project Administered by NYSDEC, gathering data to update the state of Long Island's Aquifer System. To permit USGS to install these PVC wells during 2020 would allow data obtained from Bay Park to be incorporated into this current Project, including the state of Nassau County's groundwater, a concern for County residents, businesses and municipalities, and to monitor saltwater intrusion continually beneath Bay Park.

Requested by: Department of Public Works Department/Agency/OfficeProject Cost for this Phase/Contract: (Plan/Design/Construction/CM/Equipment) \$240,000.00
Circle appropriate phaseTotal Project Cost: \$452,000.00
Includes, management, construction and contingencyDate Start Work: Jan. 2021
Phase being requestedDuration: 4 Months
Phase being requestedCapital Funding Approval: YES ☒ NO ☐

SIGNATURE

DATE

Funding Allocation (Capital Project):
See Attached Sheet if multiple ☐35123NIFS Entered: _____
SIGNATURE DATEAIM Entered: Nancy Allen 4/3/20
SIGNATURE DATEFunding Code: _____
use this on all encumbrancesTimesheet Code: 20-0089
use this on timesheets

State Environmental Quality Review Act (SEQRA):

Type II Action ☒ or Environmental Assessment Form Required ☐
Supplemental Environmental Documentation _____Department Head Approval: YES ☒ NO ☐

SIGNATURE

DCE/Ops Approval: YES ☒ NO ☐

SIGNATURE

PART II: To be submitted to Chief Deputy County Executive after Qualifications/Proposals/Contracts are received from Responding vendors.

Vendor

Quote

Comment

See Attached Sheet ☐DCE/Ops Approval:
Version January 2014

YES NO

Signature

3/16/20

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
Inter-Departmental Memo

TO: Kenneth Fischgrund, Hydrogeologist III

FROM: Office of the Commissioner

DATE: November 6, 2020

SUBJECT: CSEA Sub-Contracting Approval
Replacement of Bay Park Monitoring Well by U.S. Geological Survey (USGS)
C20-098 Contract Number: TBD

Please be aware in accordance with Section 32-3 of the CSEA/County CBA, the Department has met with CSEA representatives to discuss your proposed DPW contract referenced above. Pursuant to Section 32-3 of the CSEA/County CBA, CSEA has withdrawn its objection to the above-referenced contract known as C20-098.

Please prepare the necessary documentation to proceed with your work. Once the advisement is certified you may issue the contractor a Notice to Proceed.

Roseann D'Alleva

Roseann D'Alleva
Deputy Commissioner

RD:jd

c: Kenneth G. Arnold, Commissioner
Vincent Falkowski, Deputy Commissioner
Loretta Dionisio, Assistant to Deputy Commissioner
Michael Flaherty, Hydrogeologist III



COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
Inter-Departmental Memo

C20-098

TO: Civil Service Employees Association, Nassau Local 830
Att: Ronald Gurrieri, President

FROM: Department of Public Works

DATE: October 29, 2020

SUBJECT: CSEA Notification of a Proposed DPW Contract
Replacement of Bay Park Monitoring Well by U.S. Geological Survey (USGS)

The following notification is to comply with the spirit and intent of Section 32 of the County/CSEA contract. It should not be implied that the proposed DPW authorization is for work, which has "historically and exclusively been performed by bargaining unit members."

1. DPW plans to recommend a contract/agreement for the following services:
Replacement of one (1) Bay Park Monitoring Well screened in the Lloyd Aquifer. Countywide hydrogeological data collection, monitoring and reporting of findings needed to augment the County's groundwater program with the scientific expertise and specialized services available only through the United States Geological Survey (USGS).
2. The work involves the following:
Drill and install 1400 ft. well (estimated depth), geophysical logging, collection and analysis of water and sediments, performance of an aquifer test.
3. An estimate of the cost is: \$427,800.00
4. An estimate of the duration is: One (1) year agreement

Should you wish to propose an alternative to the proposed contract/agreement, please respond within ten (10) days to: Department of Public Works, Att: Roseann D'Alleva, Deputy Commissioner, telephone 1-0525, fax 1-9657.

Roseann D'Alleva

Roseann D'Alleva
Deputy Commissioner

RD:VF:rp

c: Christopher Nicolino, Director, Office of Labor Relations
Vincent Falkowski, Deputy Commissioner
Loretta Dionisio, Assistant to Deputy Commissioner
Christopher Yansick, Unit Head, Financial Management Unit
Diane Pyne, Unit Head, Human Resources Unit
Michael Flaherty, Hydrogeologist III
Kenneth Fischgrund, Hydrogeologist II



COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
Inter-Departmental Memo

TO: Office of the County Executive
Att: Brian J. Schneider, Deputy County Executive

FROM: Department of Public Works

DATE: December 18, 2020

SUBJECT: Replacement of Bay Park Monitoring Well
Agreement with United States Geological Survey (USGS)

The Department proposes to enter into an agreement with the U.S. Geological Survey (USGS) for the replacement of one (1) Bay Park Monitoring Well screened in the Lloyd Aquifer, plus geophysical logging, collection and analysis of water and sediments, and an aquifer performance test. The USGS has a longstanding relationship with the Department associated with this type of work.

This agreement will allow for assessment of the state of the Aquifer system, including the extent of saltwater intrusion beneath Nassau County's south shore providing critical water quality information to its water providers, as part of the USGS/NYSDEC Long Island Sustainability Study.

The specialized drilling services, expertise and technology employed provided by the USGS furnishes unique information on the County's three (3) Aquifers that is not available from any other entity; therefore, no RFP was issued. This information is invaluable for water resources planning and management of the County's groundwater which is the only source of drinking water for all County residents.

Terms of the agreement are for one (1) year beginning December 1, 2020 through November 30, 2021 at a total cost to the County of approximately \$428,700.00.

If you approve or disapprove of the above, please signify by signing below and returning a copy of this memo.



Kenneth G. Arnold
Commissioner

KGA:VF:rp

c: Vincent Falkowski, Deputy Commissioner
Loretta Dionisio, Assistant to Deputy Commissioner
Michael Flaherty, Hydrogeologist III
Kenneth Fischgrund, Hydrogeologist II

APPROVED:

DISAPPROVED:



Brian J. Schneider 12/18/2020
Deputy County Executive Date

Brian J. Schneider Date
Deputy County Executive





United States Department of the Interior

U.S. GEOLOGICAL SURVEY
New York Water Science Center
425 Jordan Rd
Troy, NY 12180

October 22, 2020

Mr. Michael Flaherty

Nassau County Department of Public Works
3340 Merrick Rd Building R 3rd Floor
Wantagh, NY 11793

Dear Mr. Flaherty:

Enclosed is a signed original of our standard joint-funding agreement for the replacement of one Bay Park monitoring well screened in the Lloyd aquifer as well as the collection of geophysical logs, performance of an aquifer test, and the collection and analysis of water and sediment-core samples during the period December 1, 2020 through November 30, 2021 in the amount of \$428,700 from your agency. Please sign and return one fully-executed original to Tracy Bristol at the address above or by email at tbristol@usgs.gov.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **December 1, 2020**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Ronald Busciolano by phone number (631) 736-0783 Ext 104 or email rjbuscio@usgs.gov to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact Tracy Bristol at phone number (518) 285-5626 or email at tbristol@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Gary R. Wall
Acting Director

Enclosure
21LKJFA24570031 (2)

Form 9-1366
(May 2018)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Customer #: 6000000379
Agreement #: 21LKJFA24570031
Project #: GC21LK00GHPNC00
TIN #: 11-6000463

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the October 1, 2020, by the U.S. GEOLOGICAL SURVEY, New York Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Nassau County Department of Public Works party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation Water Resource Investigations (per attachment), herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of \$0.00

- (a) \$0 by the party of the first part during the period
December 1, 2020 to November 30, 2021
- (b) \$428,700 by the party of the second part during the period
December 1, 2020 to November 30, 2021
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs,
in the amount of: \$0

Description of the USGS regional/national program:

- (d) Additional or reduced amounts by each party during the above period or succeeding periods as may be
determined by mutual agreement and set forth in an exchange of letters between the parties.
- (e) The performance period may be changed by mutual agreement and set forth in an exchange of letters
between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website (<https://www.usgs.gov/about/organization/science-support/science-quality-and-integrity/fundamental-science-practices>).

Form 9-1366
(May 2018)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR

Customer #: 6000000379
Agreement #: 21LKJFA24570031
Project #: GC21LK00GHPNC00
TIN #: 11-6000463

Water Resource Investigations

9. Billing for this agreement will be rendered quarterly. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

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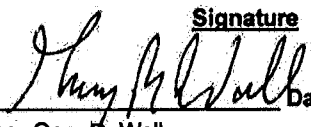
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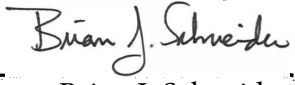
U.S. Geological Survey
United States
Department of Interior

Nassau County Department of
Public Works

Signature

By  Date: 10/22/2020
Name: Gary R. Wall
Title: Acting Director

Signatures

By  Date: 12/21/2020
Name: Brian J. Schneider
Title: Deputy County Executive

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

Appendix A

The U.S. Geological Survey (USGS) and New York State Department of Environmental Conservation are conducting a cooperative study to evaluate the sustainability of Long Island's groundwater resource, now and for the future, by performing hydrogeologic mapping, monitoring of water quality and water levels, and developing a groundwater-flow model for this sole-source aquifer system. As part of this Long Island Groundwater Sustainability study, the USGS is installing outpost wells throughout Long Island to help better define the hydrogeology, and to map the current extent and model future movement of saltwater intrusion within the aquifer system.

Through this funding agreement, the USGS will install a replacement saltwater-interface outpost well at the Bay Park Sewage Treatment Plant located in East Rockaway, New York. The well will be drilled to bedrock and screened in the Lloyd aquifer, and replaces a long-term existing outpost well that was recently abandoned so that upgrades to the Bay Park Treatment facility could be completed.

This work shall be performed through the existing USGS Long Island Groundwater Sustainability study drilling contract. The well will be installed by a contracted private drilling company using the mud rotary method to drill an 8 to 9.5-inch diameter borehole for the purpose of installing a monitoring well in the borehole at this site. The borehole will be drilled to bedrock (estimated to be about 1,400 ft) and an additional 20 feet when possible. Sediment cores will be collected at varying interval during the drilling. The final depth of the well will depend on the depth at which bedrock is encountered during drilling.

The well will be installed using 4-inch polyvinyl chloride (PVC, Type I) schedule 80 or 120 well casing to the depth below ground surface as specified. Couplings will be made to be watertight to prevent leakage into or out of the well casing. The well will be finished at grade with a cement pad and locking surface cover.

The USGS will collect borehole geophysical logs at the well, perform an aquifer test, and collect and analyze water and sediment-core samples. Collected data will be integrated into the Long Island Groundwater Sustainability study dataset being used to determine the regional extent of saltwater intrusion on Long Island, and will provide updated hydrogeological data needed for the regional groundwater-flow model being developed for the study, which will ultimately provide water managers with a better understanding of aquifer sustainability across Long Island under various current and future stresses and scenarios.