

Pelton, Jason M (DEC)

From: Hannon, ED [US] (AS) <Edward.Hannon@ngc.com>
Sent: Monday, November 30, 2020 3:00 PM
To: Richard Lenz; mrusso@OYSTERBAY-NY.gov
Cc: Pelton, Jason M (DEC); Hesler, Donald (DEC); Stern, David; Engler, Christopher; Weber, Fred [US] (AS); San Giovanni, Carlo; Baumert-Moyik, Dianne C [US] (AS); Sullivan, James (HEALTH)
Subject: RW 21 Pipe Route Survey & Mark-out Work Plan 11_30_20
Attachments: Residential_Pre-Design Investigation for Alternate Pipe Route_11302020.pdf; Figure 1- UL-residential 11252020.pdf

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Dear Commissioner Lenz

Attached please find the Work Plan for the RW 21 Pipe Route pre-design utility mark-out work. As requested by the Town on Monday November 23rd we have included the section of N. Herman Ave south of William Street as well as Sophia Street east of N. Herman Ave in our mark-out work plan activities.

Please let me know if you require any other information from Northrop Grumman to support the December 8th Town Board Hearing.

Thank You
Ed Hannon
Northrop Grumman
516-575-2333

From: Matt Russo <mrusso@oysterbay-ny.gov>
Sent: Monday, November 30, 2020 12:04 PM
To: Hannon, ED [US] (AS) <Edward.Hannon@ngc.com>
Cc: Richard Lenz <rlenz@oysterbay-ny.gov>; Pelton, Jason M (DEC) <jason.pelton@dec.ny.gov>
Subject: EXT :Survey & Markout

Ed-

Will you be able to provide a workplan for us today for the RW-21 routing? We are at the deadline to get items on the next Town Board calendar.

Matthew Russo, P.E.
Town of Oyster Bay Department of Public Works
Division of Engineering



150 Miller Place
Syosset, New York 11791
P: 516-677-5719
E: mrusso@oysterbay-ny.gov

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Commissioner Richard Lenz
Town of Oyster Bay
150 Miller Place
Syosset, NY 11791

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Melville
New York 11747
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Fax 631 249 7610
www.arcadis.com

Subject:
Pre-Design Work Plan for Utility Locating and Surveying,
RW-21 Project Area Groundwater Remedy,
Operable Unit 3, Bethpage, New York.

Date:
November 30, 2020

Dear Commissioner Lenz:

Contact:
David Stern

Arcadis of New York Inc. (Arcadis) prepared this Pre-Design Work Plan on behalf of Northrop Grumman Systems Corporation (Northrop Grumman) to conduct a pre-design investigation consisting of utility location and survey along areas considered for the proposed RW-21 influent pipeline. The data produced from this effort will be evaluated to facilitate design of the pipe route, pipe profile, and for protection of construction worker health and safety during construction. **Figure 1** depicts the area proposed to be investigated, consisting of roadways that are owned/controlled by the Town of Oyster Bay and Nassau County.

Phone:
631-391-5284

Email:
David.stern@arcadis.com

Our ref:
30051348.MTGE5

SUMMARY OF RW-21 SYSTEM

In accordance with the Record of Decision (ROD) for Operable Unit 3 (OU3), Arcadis is designing a groundwater remedial system on behalf of Northrop Grumman to capture and treat volatile organic compounds (VOCs) from groundwater in a portion of the OU3 off-site plume referred to as the RW-21 Project Area. The RW-21 system remedial design includes three remedial wells, designated as RW-20, RW-21, and RW-22. Water pumped from these wells will be transmitted via underground pipes to a new RW-21 System treatment plant, which will be constructed on Northrop Grumman property. Northrop Grumman's existing on-site recharge basins will be used for the recharge of treated water.

SCOPE OF WORK

Arcadis will work with its subcontractors to conduct utility locating and surveying along the proposed RW-21 pipeline as shown on **Figure 1**. Existing below-grade utility locations at roadways will be marked-out and surveyed to determine if there are any conflicts with the proposed RW-21 pipeline locations. The pipeline

design will then be advanced to avoid utility crossings and congestion to the extent practicable and in compliance with the health and safety plan (HASP). Field work conducted by Arcadis' subcontractors will be completed under the supervision of Arcadis assigned personnel.

Utility locating and surveying will generally be non-invasive for locating gas, electric, water and communications lines through methods such as electromagnetic locating and ground penetrating radar. Storm and sewer manhole covers will be opened to perform video inspection and pipeline locating for sanitary and storm sewers.

Test holes may be performed in roadways where it will be critical to determine the depth and orientation of below grade utilities, such as where the RW-21 pipeline may cross utilities, prior to completing final design and contractor proceeding with installation. Test hole areas (if any) would be nominal in size measuring up to 3' x 3' square. Test hole locations will be restored in accordance with all County or Town public works specifications for restoration/pavement of roadways.

Work will be performed in compliance with a Traffic Safety Plan (TSP) that will be prepared in advance of the work. In general, traffic re-direction at residential side streets is anticipated to be minimal with flaggers ensuring the safety of staff in the roadway by directing traffic around moving work areas. Intersections where sanitary and sewer manhole covers are typically located may be "coned-off" near open manhole covers, however residential thru-traffic will still be able to progress through intersection as directed by flagger. There will be alternating north bound and south bound right lane and center lane closures at Stewart Avenue to protect the safety of staff working in the roadway. Lane closures will occur between the hours of 9am – 4pm.

PROJECT DURATION SCHEDULE

Permit(s) from Nassau County and an access agreement from the Town of Oyster Bay will be secured prior to performing utility locating and survey work on County and Town roadways, respectively.

The estimated durations for utility locating and surveying in the work areas shown on **Figure 1** are provided below. Roadways are owned/controlled by the Town, except as noted.

- Segment 2: 1 to 3 Days – N. Hermann Avenue and Sophia Street
- Segment 3: 1 to 3 Days – N. Hermann Avenue and Emma Street
- Segment 4: 2 to 4 Days – Emma Street
- Segment 5: 4 to 6 Days – Stewart Avenue (Nassau County)
- Segment 6: 3 to 5 Days – S. Pershing, Brenner & Sheridan Avenues
- Segment 7: 3 to 5 Days - Central Avenue (Nassau County) to Grumman Road E (also referred to as Hickey Blvd)
- Segment 8: 3 to 5 Days - Central Avenue (Nassau County)

Contractors will conduct their work from 7:30 a.m. to 4:30 p.m., Monday through Friday, excluding holidays.

Commissioner Richard Lenz
Town of Oyster Bay
November 30, 2020

Please contact me if you have any questions or need additional information.

Sincerely,

Arcadis of New York, Inc.

A handwritten signature in black ink, appearing to read 'David E. Stern', with a long horizontal line extending to the right.

David E. Stern
Project Manager

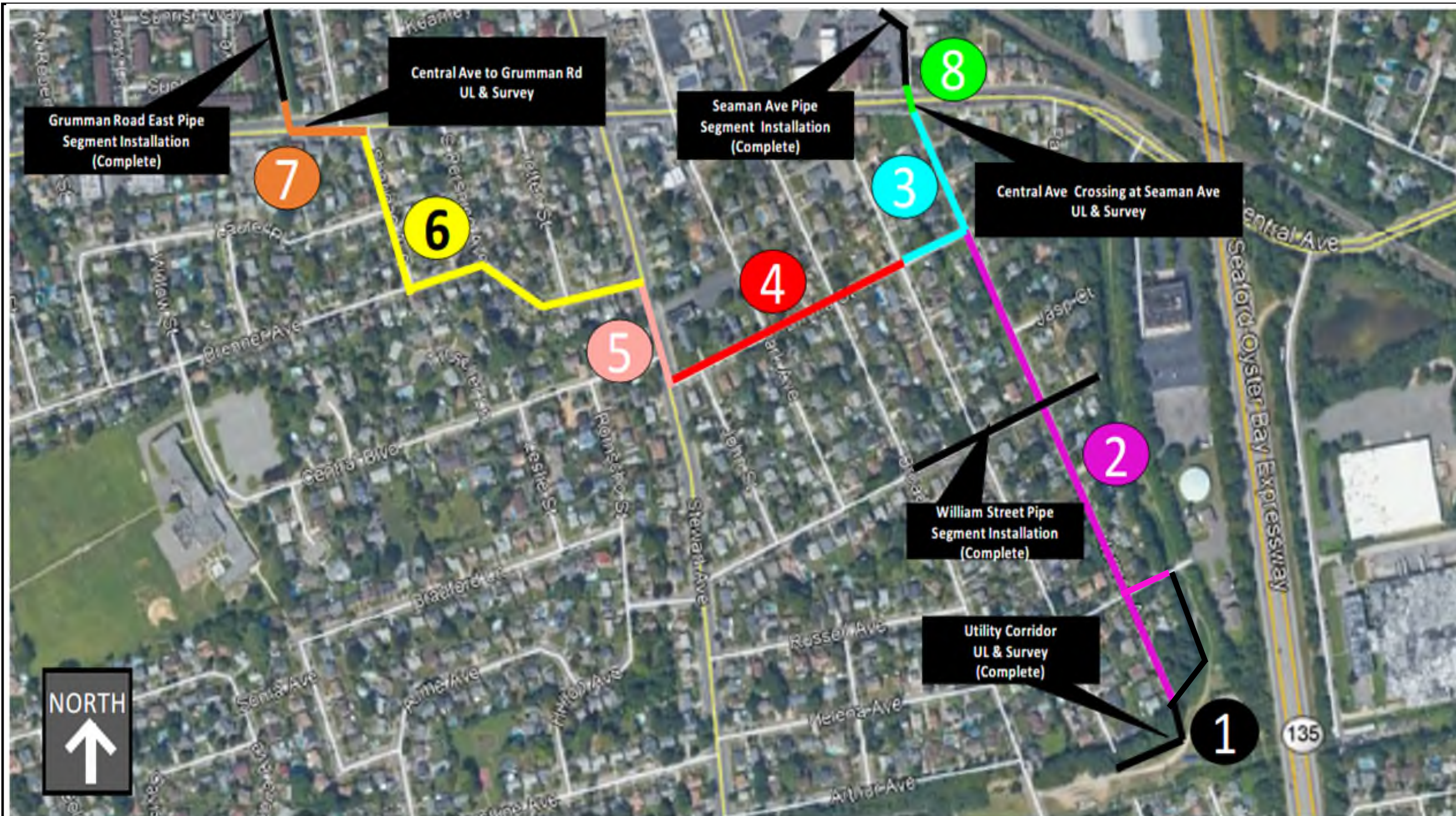
Copies:

Edward Hannon, Northrop Grumman
Jason Pelton, NYSDEC
Jim Sullivan, NYSDOH
Donald Irwin, Nassau County DOH

Enclosures:

Figure

- 1 Areas of Utility Location and Surveying



DRAFT

NOTES

1. Refer to Pre Design Work Plan for duration of field activities at the numbered segments 1 through 8 shown above.

NORTHROP GRUMMAN SYSTEMS CORPORATION
BETHPAGE, NEW YORK

**AREAS OF UTILITY LOCATION
AND SURVEYING**