

Bethpage Offsite Groundwater Project

—
Feasibility Study of Piping Route

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Project Director

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Agenda

- Current project accomplishments
- Upcoming survey locations and schedule
- Questions via Zoom chat and telephone

Project Status

Three wells installed ●

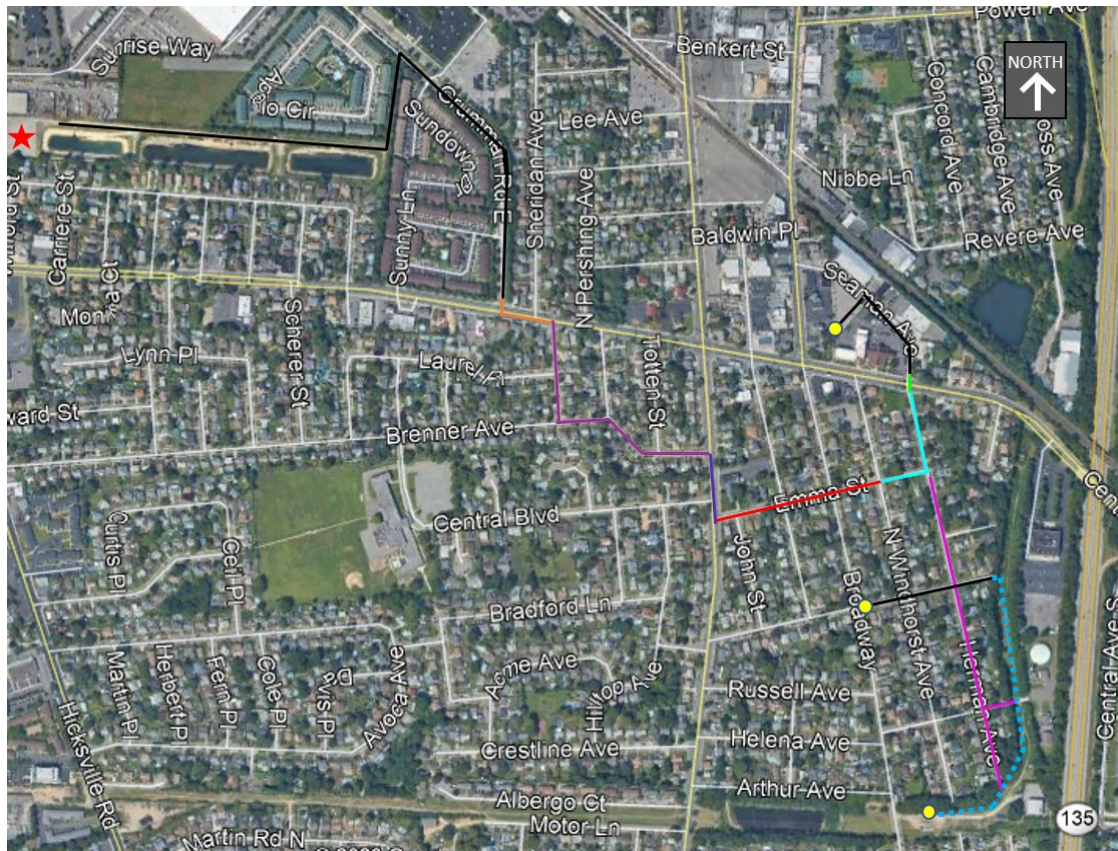
4,600 feet of piping installed —

Survey completed - - - - -

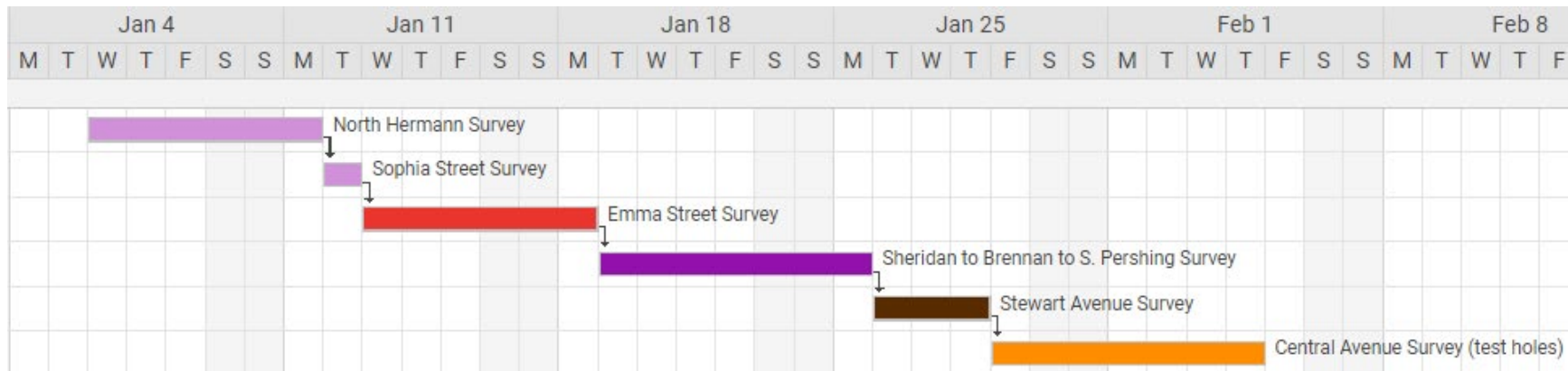
Upcoming areas to survey

- N. Hermann Ave and Sophia St
- Emma St
- Stewart Ave
- S Pershing Ave, Brenner Ave, Sheridan Ave
- Central Ave
 - crossing at Grumman Rd and at Seaman Ave

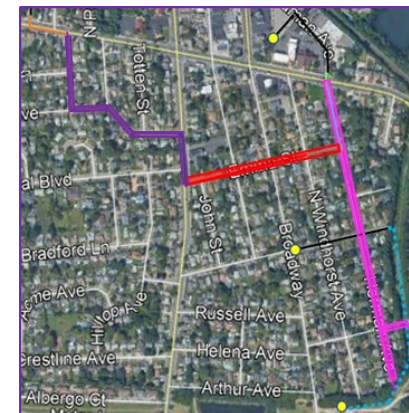
Location of our groundwater treatment facility ★



Survey Schedule Week by Week



- **N. Hermann Ave:** north to south, then complete Sophia St
- **Emma St:** East to west
- **Sheridan to Brennan to S Pershing:** Northwest to southeast
- **Stewart Ave:** Close 2 lanes at a time, one northbound, one southbound
- **Central Ave:** Test holes will follow surveying



Key project information

- Nassau County and Town of Oyster Bay permits will be in place prior to performing utility locating and survey work on County and Town roadways.
- Utility locating work (for gas, electric, water and communications lines) and survey work is non-invasive.
- Manhole covers will be opened to perform video inspection and utility locating.
- Traffic re-direction at residential side streets is anticipated to be minimal with flaggers directing traffic around moving work areas to ensure the safety of drivers and staff in the roadway.
- Schedule is dependent on weather, so progress and location of work may change depending on conditions.



Key project information

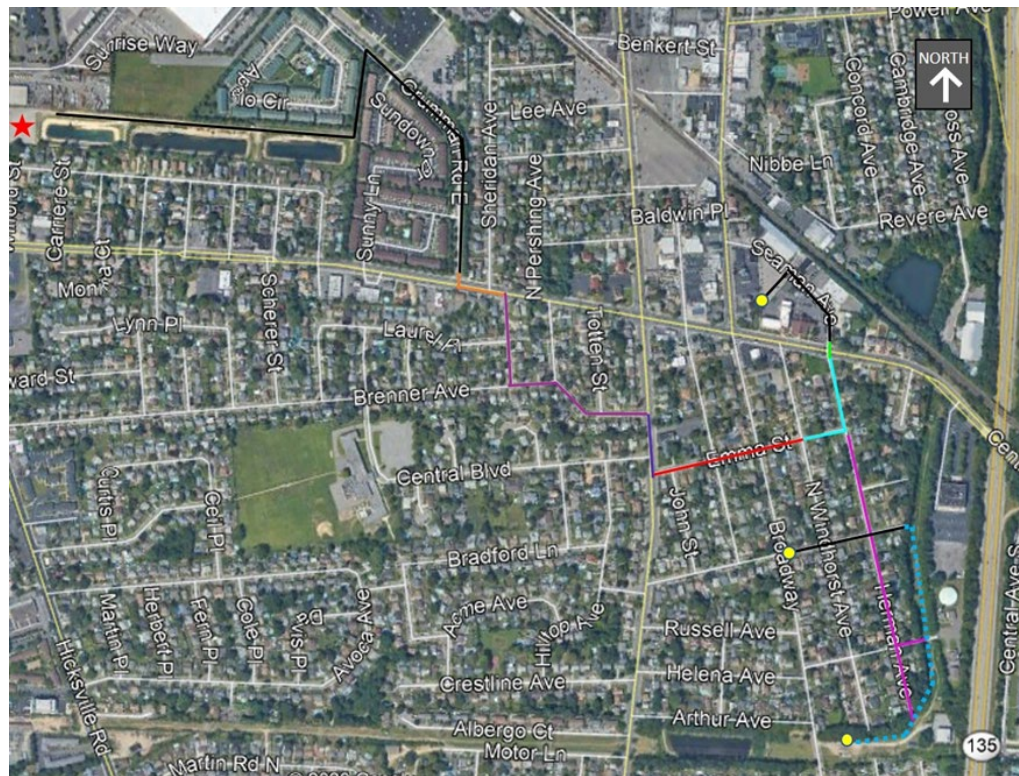
- Our contractors will conduct their work from 7:30 a.m. to 4:30 p.m., Monday through Friday, excluding Town and County holidays.
- You will likely see traffic cones at intersections where we are working to survey manholes. Residential thru-traffic will still be able to progress through each intersection, as directed by flaggers.
- Test holes (3' x 3' square) will be installed on Central Ave (and other streets, if needed) following our survey work.
- These test holes confirm the depth and direction of underground utilities and help us to complete our preliminary and final design work to be submitted to the Town for approval.
- Test hole locations will be restored in accordance with County or Town public works specifications.



Once the survey is complete

The final installation route that the Town of Oyster Bay approves will be determined by:

- The results of our utility locating and survey work;
- Access to the Seavest-owned portion of the utility corridor being granted or denied (which could alter our installation route onto residential streets);
- The engineering design requirements;
- The complexity of the piping installation;
- The support and suggestions we receive from our neighbors living in our project work area for the route selected.



While the piping is being installed

Construction of our groundwater treatment facility will begin.

Once complete, we will connect the piping to the treatment facility.

We will then test the system equipment and startup operations of the treatment facility.

Once system operations commence, we expect to treat approximately 2.7 million gallons of water per day to State standards.

Treated water will be used to replenish the groundwater aquifer below via our south basins.



Artist's rendering of RW-21 Groundwater Treatment Facility

Our continued commitment

Northrop Grumman continues to work closely with the NYSDEC, the U.S. Navy and other federal, state, and local government regulatory authorities, to address environmental conditions in the area.

We remain committed to pursuing scientifically sound, targeted and effective remedial approaches that protect the health and well-being of the community and avoid unnecessary disruption.

Visit our project web site

www.northropgrumman.com/bethpage

for ongoing updates

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The logo symbol consists of a thick horizontal line on the right side of the word "NORTHROP", which extends to the right and then turns 90 degrees downward to form a vertical line.