

RW-21 Project Area Fact Sheet, Bethpage, New York

Status as of October 13, 2016

The RW-21 project area supports the groundwater cleanup south of the Bethpage Community Park by Northrop Grumman with oversight from the New York State Department of Environmental Conservation (NYSDEC). Work hours are Monday to Friday from 8 a.m. to 5 p.m.

Elements of the RW-21 Project Area:

- Three remedial wells to pump groundwater (known as RW-20, 21 and 22)
- One new treatment plant to process the groundwater
- One new basin to return clean water to the aquifer to preserve the groundwater resource
- Three buried pipes to transmit the water from the RW-20, 21 and 22 wells to the treatment plant
- Three buried vaults to protect the RW-20, 21 and 22 wells, as well as house plumbing and controls
- Four wells to monitor groundwater levels and water quality going forward

Our completed work since approval of town permits:

- Installation of the RW-21 remedial well.
- Installation of four vertical profile borings.
- Construction of two monitoring wells.

Our upcoming work:

- Completion of RW-22 remedial well (75% complete).
- Installation of RW-20 remedial well. Note: Northrop Grumman's permit to begin this work is pending approval with town officials and will be voted on during the October 18 town board meeting at 7 p.m. Approval and installation of this well location is critical to the success of this remediation effort.
- Construction of two remaining monitoring wells.
- Installation of underground vaults to house and protect each remedial well. Note: the hatch will be flush with the ground surface.
- Installation of underground pipes from each of the three remedial wells to connect directly to the treatment plant as well as an underground pipe to deliver clean water from the plant to the recharge basins.
- Construction of the RW-21 Project Area treatment plant (next to the Navy GM-38 Area plant).
- Evaluation and maintenance of the Arthur Avenue basin.
- Conduct a study for a new basin adjacent to the existing Arthur Avenue basin.

Current Project schedule: The monitoring wells and RW-22 are expected to be complete by the end of 2016. RW-20 well and full system construction will begin in late winter 2017 (weather dependent). It is expected to be complete by the end of summer 2017.

Note: The work is being performed by Arcadis of New York, Inc., and their subcontractors, on behalf of Northrop Grumman. Drilling location equipment will include a drilling rig, support trucks, portable water containers, pumps, and well construction materials. The drilling rigs are secured at each drilling site and cannot be moved until the drilling is complete. Soil, water, and other materials produced as part of the process are transported daily from work sites for off-site disposal. Construction equipment for pipe installation will include backhoes, dump trucks, tampers, plastic pipe and pipe fusers, and clean sand for backfill. Work zones will be secured and all trenches will be either backfilled or covered by steel plates at the end of each day. Project leads photograph each location before beginning work to support full restoration of the site once the work is complete.

Your project contact:

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