

# Neighborhood Update

## RW-21 Area Remedial Design/Remedial Action

Operable Unit 3 – Bethpage, New York

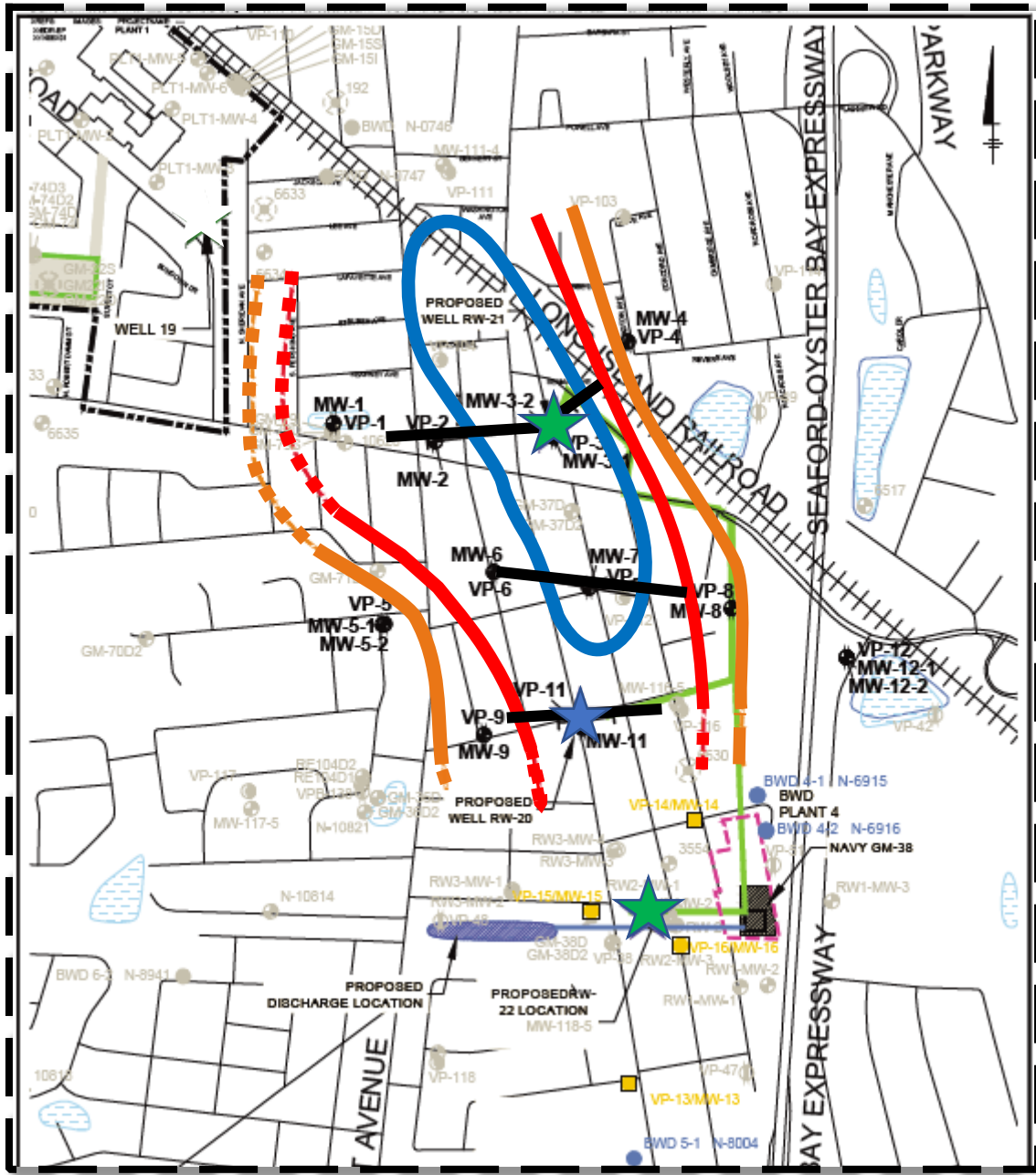
October 13, 2016







# Overview – Why are we here?

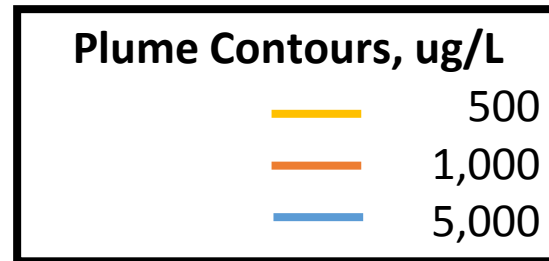
- **New York State has approved Northrop Grumman’s plan to clean up groundwater quality, which will benefit the community**
- **Project Overview**
- **Review of Schedule**
- **Response to Comments**
- **Project contact for more information**

***Northrop Grumman, New York State DEC and DOH,  
and Nassau County DOH representatives  
are here to answer your questions***



# Project area

-  Width of Area of VOC Mass
-  Proposed Remedial Well
-  Approved Remedial Well
-  Approved Boring/Monitoring Well



# Key Elements of the Cleanup System

## Three Groundwater Remedial Wells

- Below-ground vaults for wells installed to extract groundwater
- Groundwater pumped to treatment system in buried pipes

## Treatment System

- Removes contamination from the groundwater
- Includes water and air treatment, and other required equipment

## Discharge Pipe

- Clean water from treatment system pumped to new recharge basin near Arthur Avenue or to the existing basin on Arthur Avenue

# Project Overview



NYSDEC- approved, TOB permitted well



NYSDEC-approved, TOB permit-pending well



New Treatment Building



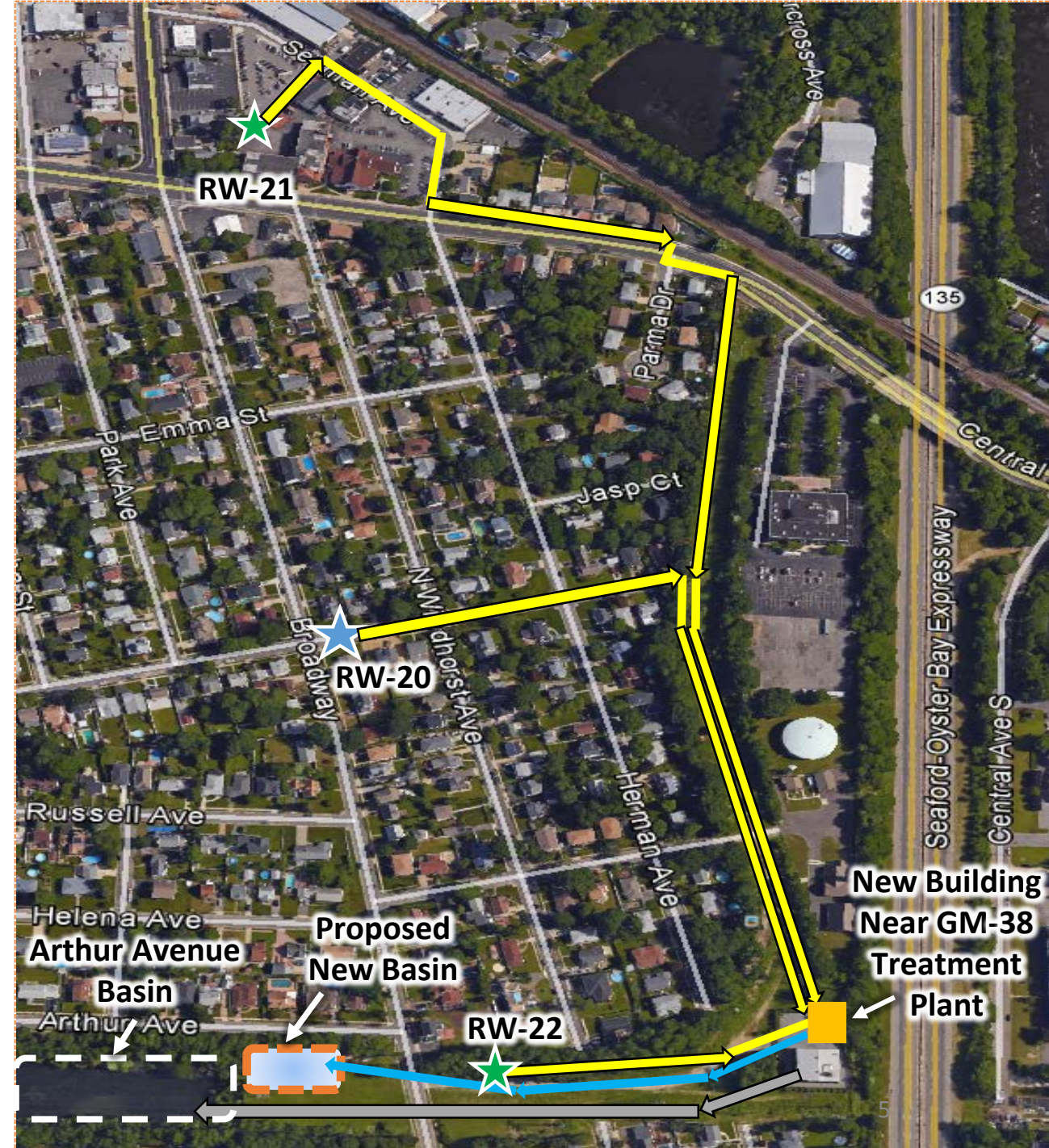
New buried treated water line and flow direction



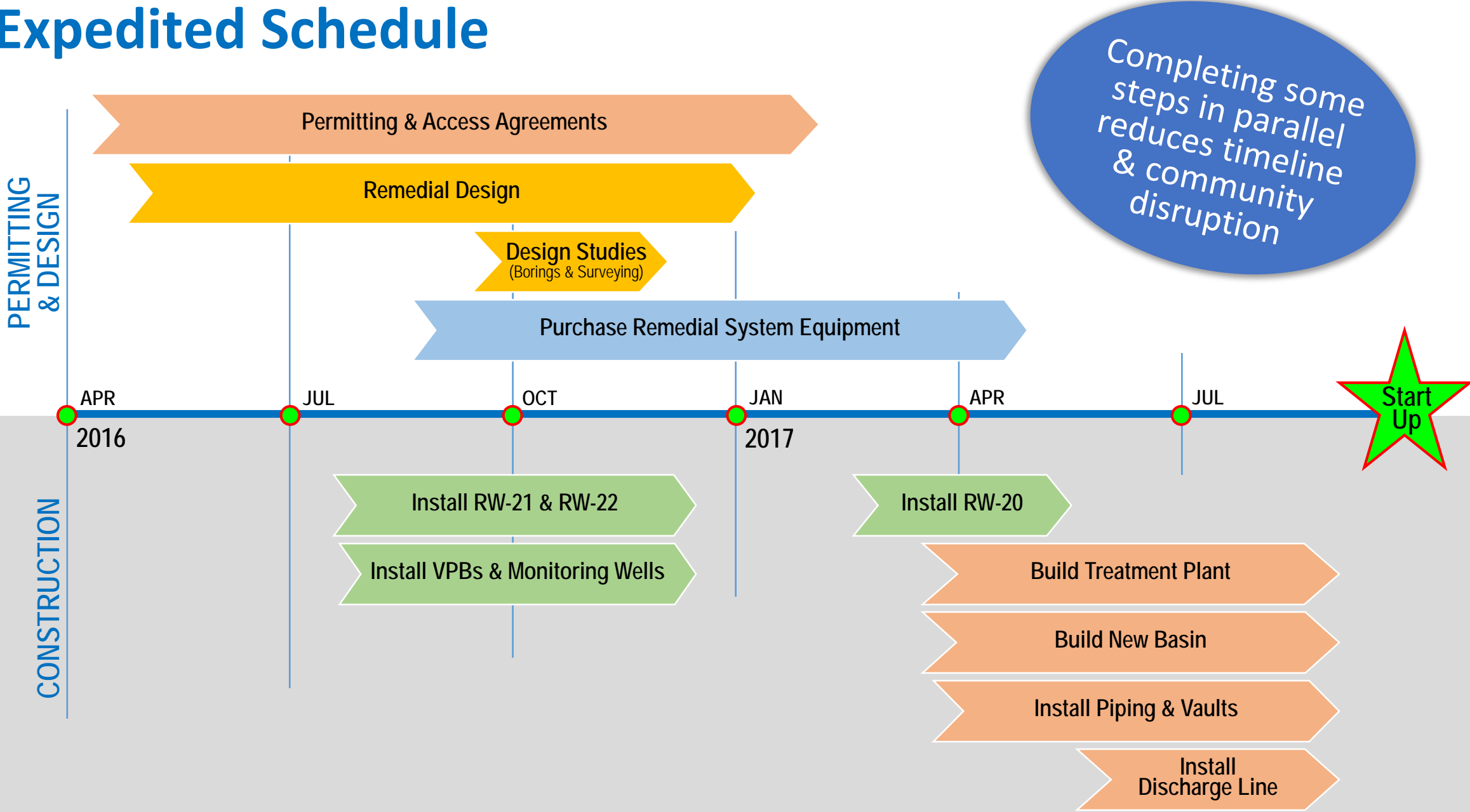
New buried pipe location



Existing Navy GM-38 buried treated water line and flow direction



# Expedited Schedule



*Water won't be pumped through system until Start-Up!*

# Summary of Comment Topics

## RW-20

- Safety and Security
- Temporary Power, Plans to Mitigate Noise, Dust, and Vibration
- Site Restoration
- Engagement with Bethpage School District transportation officials

## Basins

- Capacity
- Maintenance Activities

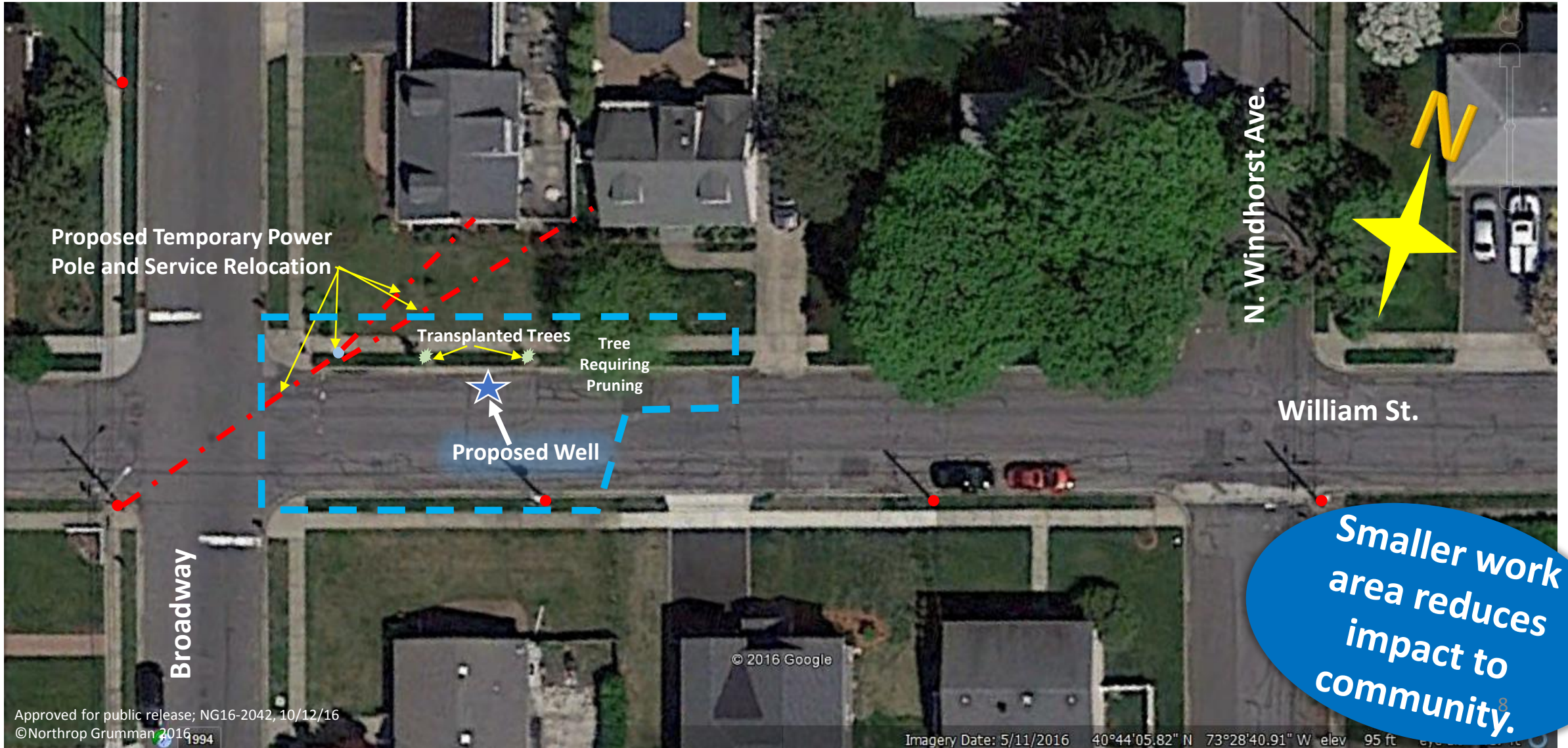
## Treatment System

- Source of Electric Power
- Vault Excavation/Installation Method
- Utilities
- Coordination for Use of Municipal Lot near St. Martin of Tours
- Site Restoration

# Re-Configuration of RW-20 Work Zone

We reduced the work zone and relocated well on to William Street.

This solution no longer blocks traffic on Broadway, but requires an additional 4 weeks.



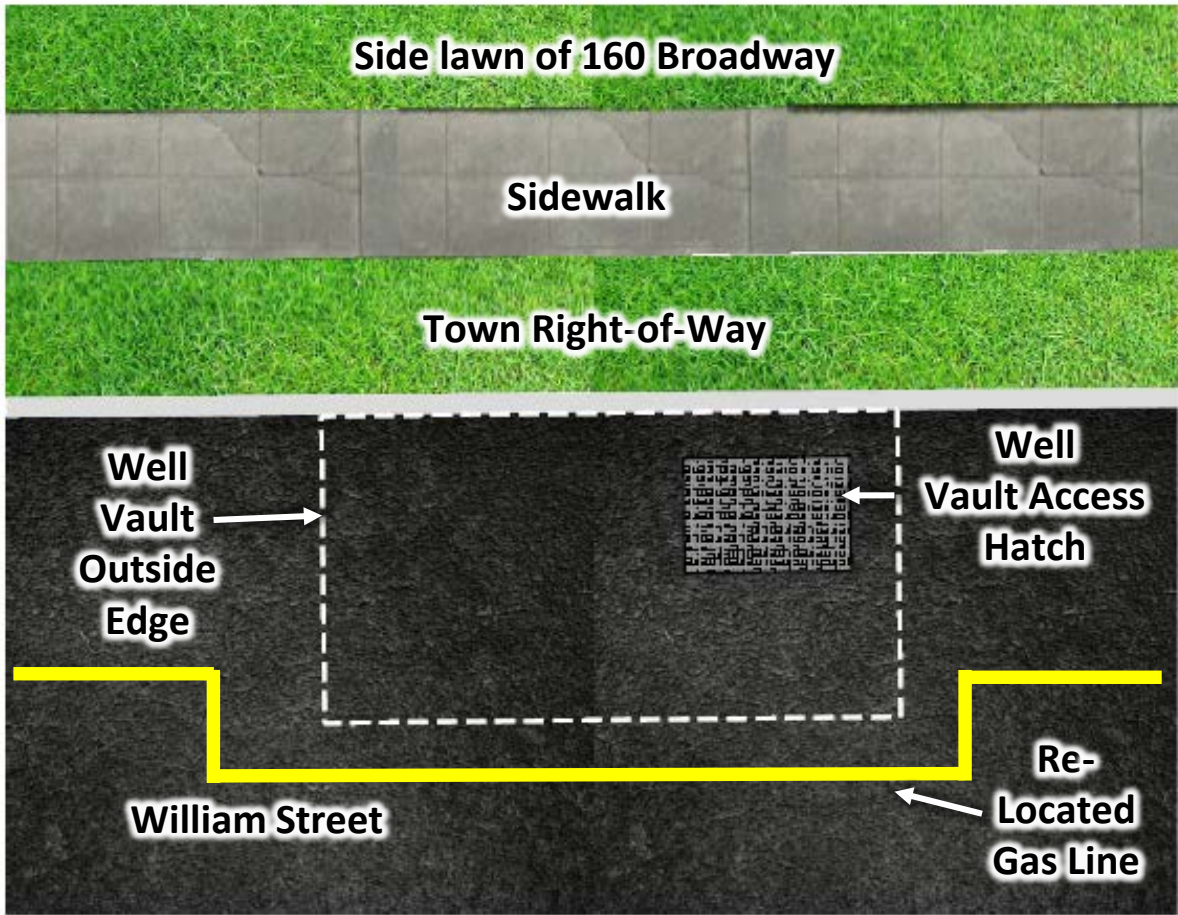


# New RW-20 Well and Vault Location



**RECOVERY WELL VAULT RW-20 - PARTIAL PLAN VIEW**

0 10 20  
APPROXIMATE SCALE IN FEET



**RECOVERY WELL VAULT RW-20 - PARTIAL PLAN VIEW**

0 2 4  
APPROXIMATE SCALE IN FEET

# Safety, Security, Controls, Work Hours, Engagement

Our plan includes health, safety and security measures to protect our community and our site workers

- **SAFETY** work materials will be contained; excess materials removed each day
- **SECURITY** for workers and residents throughout the project (including while school in session)
- **CONTROLS** minimize inconvenience to residents and businesses
- **WORK HOURS** are done in accordance with town code.
- **COMMUNITY ENGAGEMENT** open door policy with residents, officials

*All work is coordinated with NYSDEC, State and County DOHs, and Town of Oyster Bay*

Established bi-weekly project review meetings with NY State and Town experts

Goal: Expedited Schedule to Reduce Neighborhood Impact



# Contact Information

*If you have  
questions or  
concerns, please  
contact these New  
York State project  
representatives:*

## **Mr. Steven Scharf, P.E.**

Project Manager

NYSDEC

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## **Mr. William Fonda**

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## **Mr. Steven Karpinski**

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# Contact Information

*If you wish to  
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please contact:*

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*Please sign the attendance sheet with  
your email and phone number as you  
leave, so that we can provide you with  
updates on project status.*

# Thank You

*Please pick up a fact sheet as you leave*