



HOPEWELL PRECISION SUPERFUND SITE

Public Availability Session
Monday, March 12, 2018



Agenda

- I. Welcome and Introduction
Cecilia Echols
- II. Hopewell Precision Operable Unit 2 (OU 2)
Alternate Water Supply Distribution System
Lorenzo Thantu
- III. Questions & Answers
Cecilia Echols



Introductions - Project Delivery Team

US EPA Region II

- Sal Badalamenti
US EPA Section Chief
- Lorenzo Thantu
US EPA Remedial Project Manager (RPM)

Conti Federal Services

- J. Keith Walker
Project Manager

USACE West Point NY

- Rich Gajdek
Project Manager
- Drew Smith
Contracting Officer Rep (COR)
- Daryl Salomon
Site Engineer/Alt COR
- Mike Dolly
Contracting Officer
- Joshua Watts
Project Manager
- Ellen Gallerie & Paul Cabral
(CDM Smith, Inc.)
Project Designers



Hopewell Precision Operable Unit 2 (OU 2) Water Distribution Project



March 12, 2018



Partnering Agencies

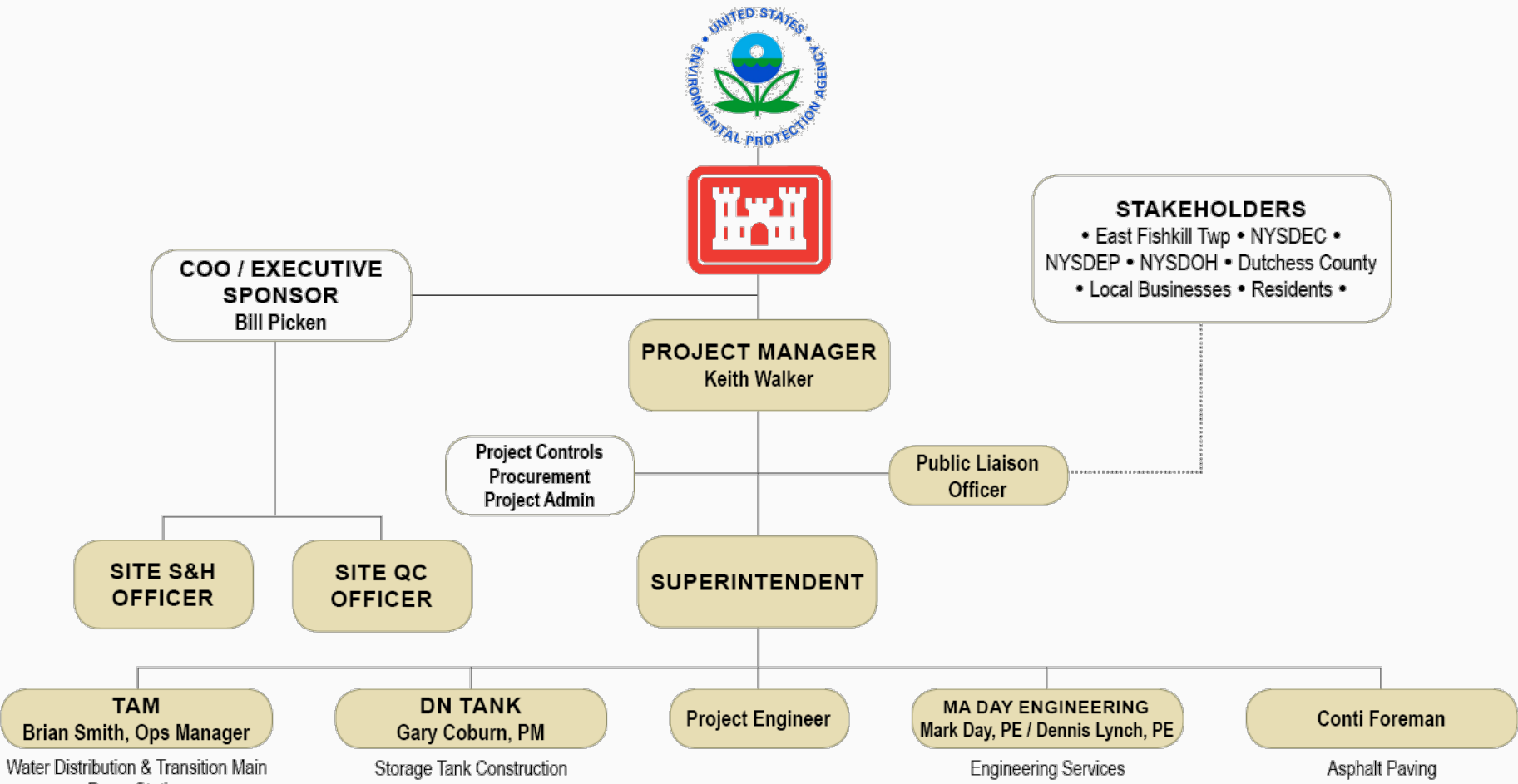


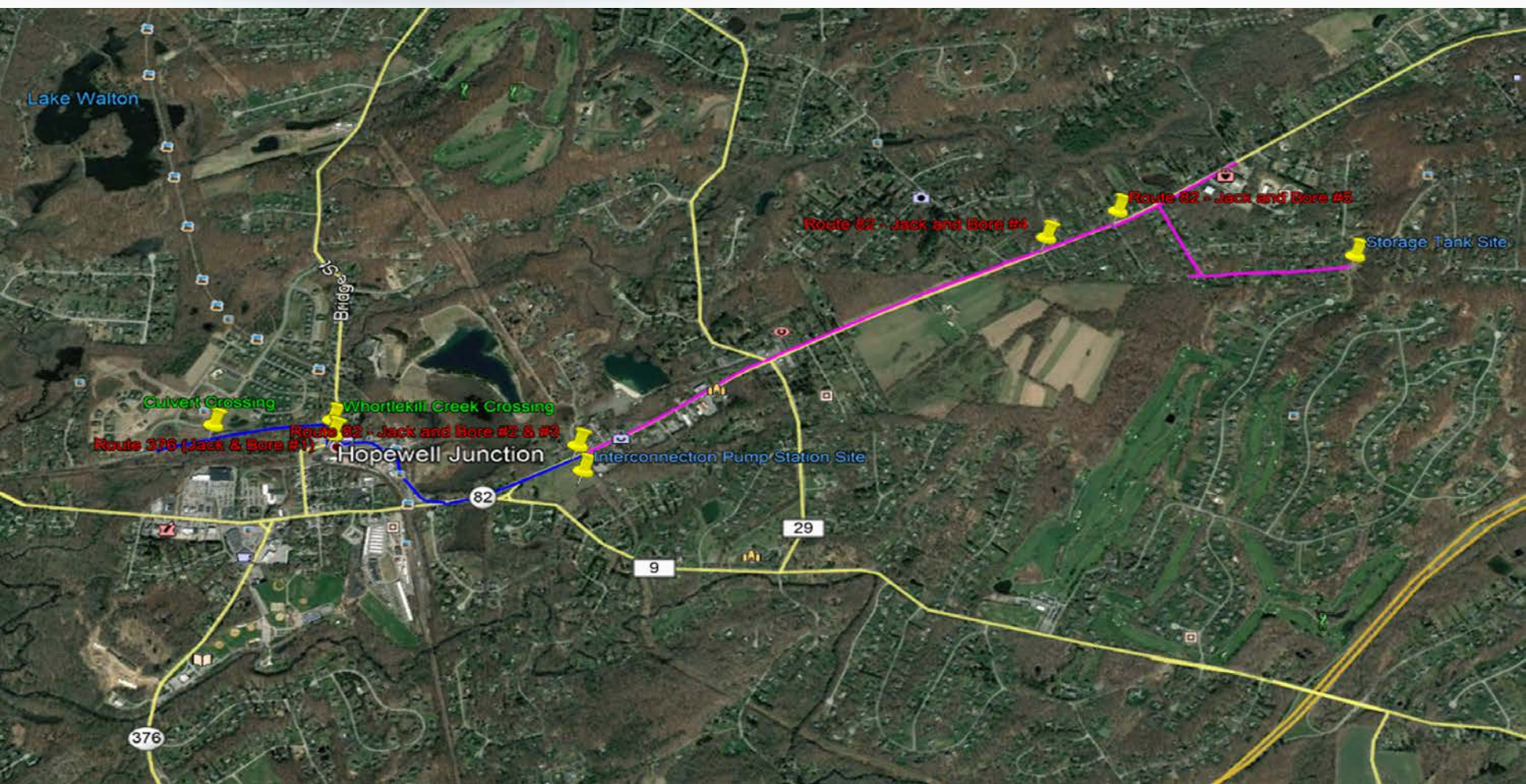
DCDPW and
DCDOH





Project Organization





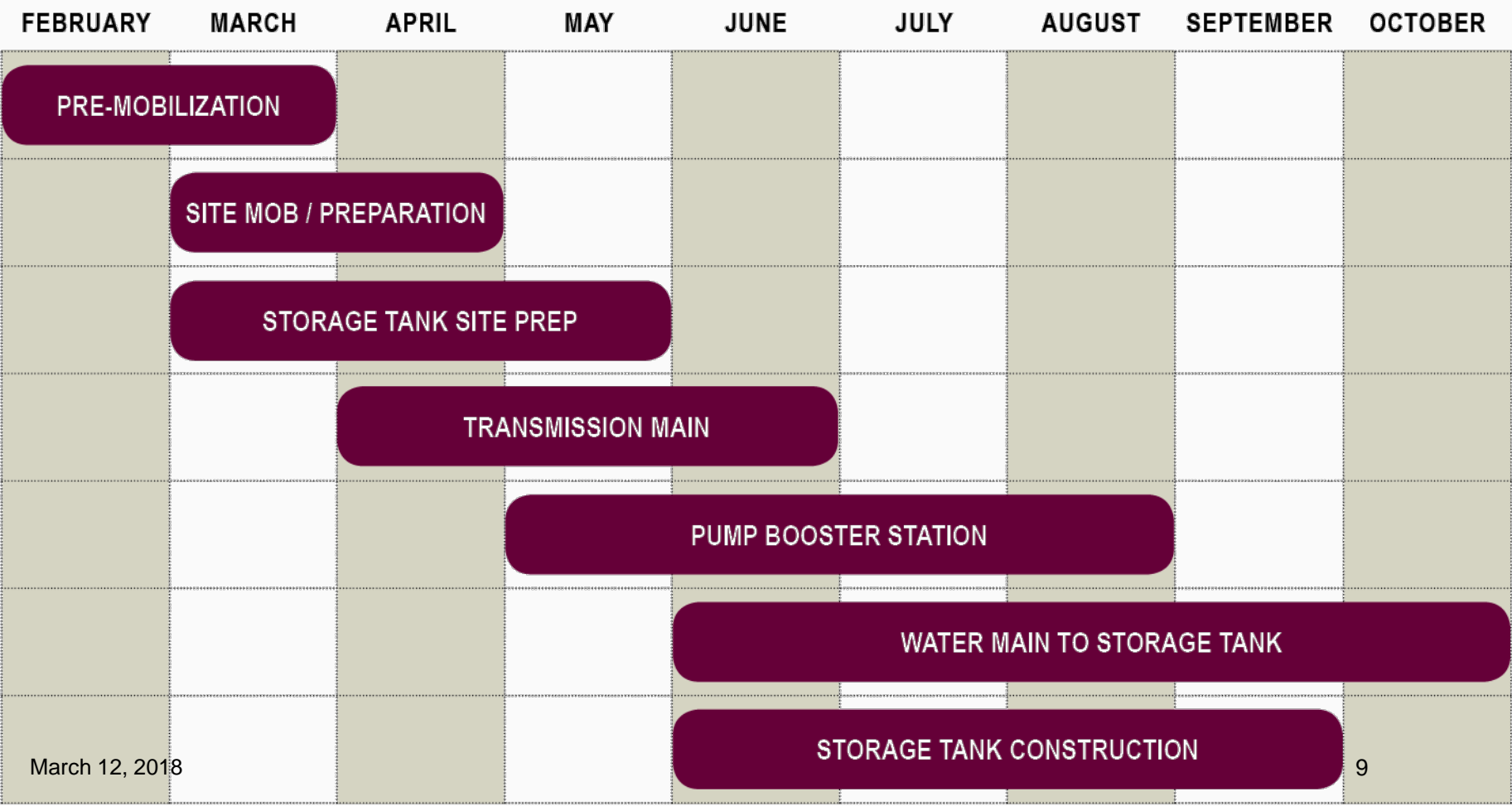


Project Overview

- Phase I: Main Water Line (Awarded)
 - Transmission main and water main (approx. 4.2 miles)
 - Pump station
 - Storage tank
- Phase II: Branch Mains (Pending Award, Winter of 2019)
 - East Fishkill roads and County road (Clove Branch Road) (approx. 4.6 miles)
- Phase III: Service Connections (Pending Award, Fall of 2019)
 - Service connections and meter installation
 - Private well & point of entry treatment (POET) (carbon filtration) systems decommissioning



Phase I: Main Water Line 2018 Work Sequence





Initial Site Preparation Activities

- US EPA notification flyer
- Permit acquisition
- Customer access / safety
- Pre-construction survey / inspections / documentation
- Observation well install / measurements
- Geotechnical monitoring
- Clearing vegetation, Storm water pollution prevention plan (SWPPP) and barn demolition



Typical Work Day: Active Trench

- Hours of Operation - Mon - Fri (9 am - 5 pm)
except States Roads (9:30 am - 3:30 pm)
- QC alignment / utility clearances
- Establish daily traffic and site controls
- Cut / mill surface
- Setup support systems / safety
- Excavate / direct loadout (covered trucks)
- Install / Inspect - bedding, pipe, backfill
- Compaction - third-party inspection / testing
- Interim binder pavement



Material Handling: Active Trench

- Asphalt millings to local recycler
- Excavated material to local recycler
- Construction materials for backfill
 - Certified clean
 - Delivered to work area
 - Staged temporarily alongside the trench
 - Backhoe placement - 8" lifts for compaction
- Asphalt binder delivery / placement daily



Traffic Control

- GOAL: Minimize impacts to traffic flow
 - Permits
 - Traffic Control Plan
 - Work hour variance - night work at critical intersections coordinated with Town of East Fishkill and Government Agencies
 - Advance public notices
 - Communication: signs / message boards/ etc.
- High visibility
 - Flagmen, barricades, reflective equipment and trench boxes



Environmental Protection

- Indiana Bat nesting requirements
- Storm water pollution prevention plan compliance (SWPPP)
- Spill prevention and control
 - Heavy equipment inspections
 - Protect migration pathways
- Dust control
- Housekeeping
- Noise minimization



Property / Asset Protection

- "Plan" to protect
- Pre-construction structural surveys
- Pre-work photo / video documentation
- Ambient conditions monitoring
- Deformation / settlement monitoring of constructed areas
- Seismic / vibration monitoring
- Post-construction inspection / documentation

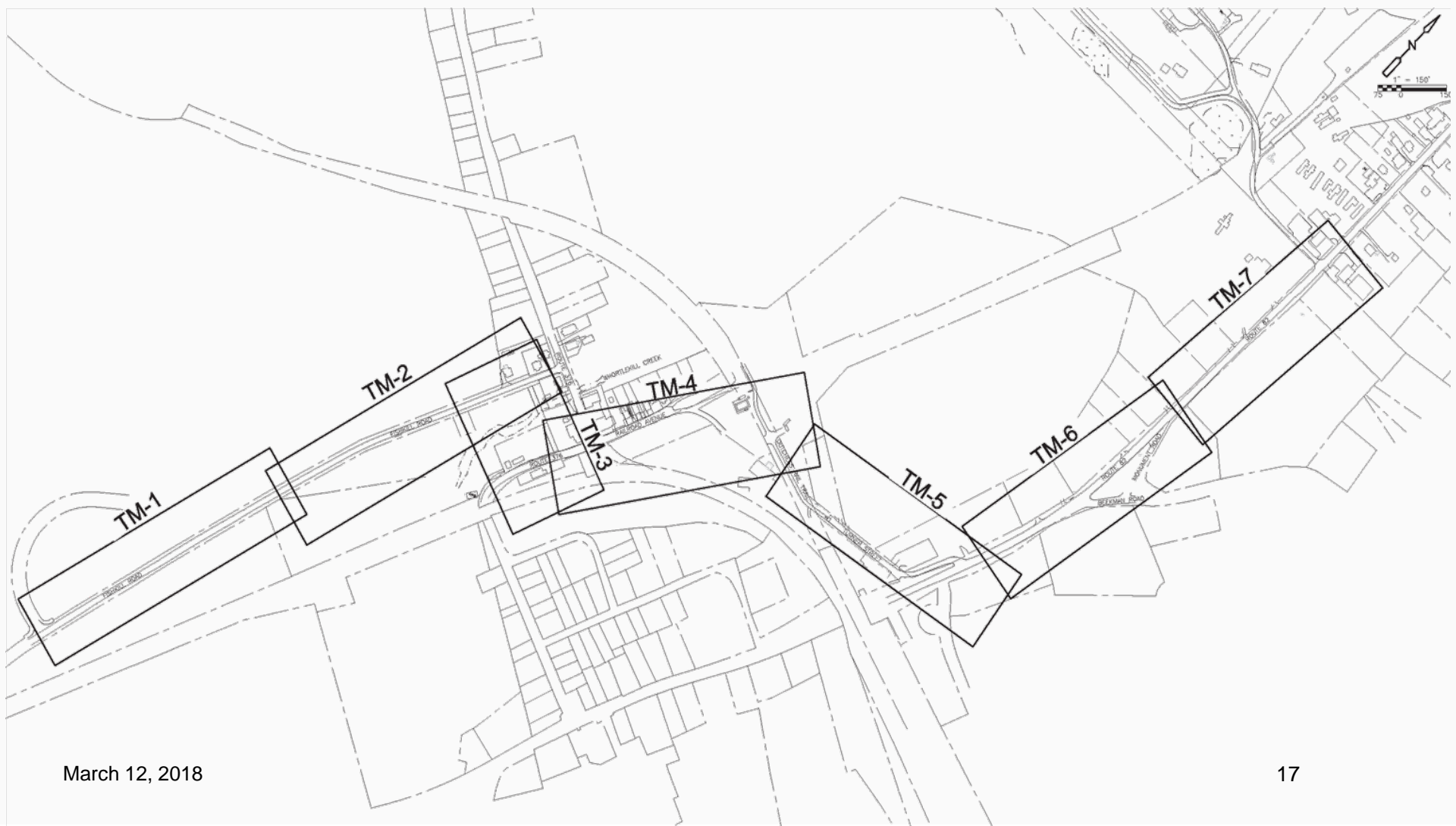


Project Safety Program

- Communications / notifications / bulletins
- Site access coordination
- Traffic controls
- Excavation safety
- Pipe jacking / horizontal drilling safety
- Environmental controls

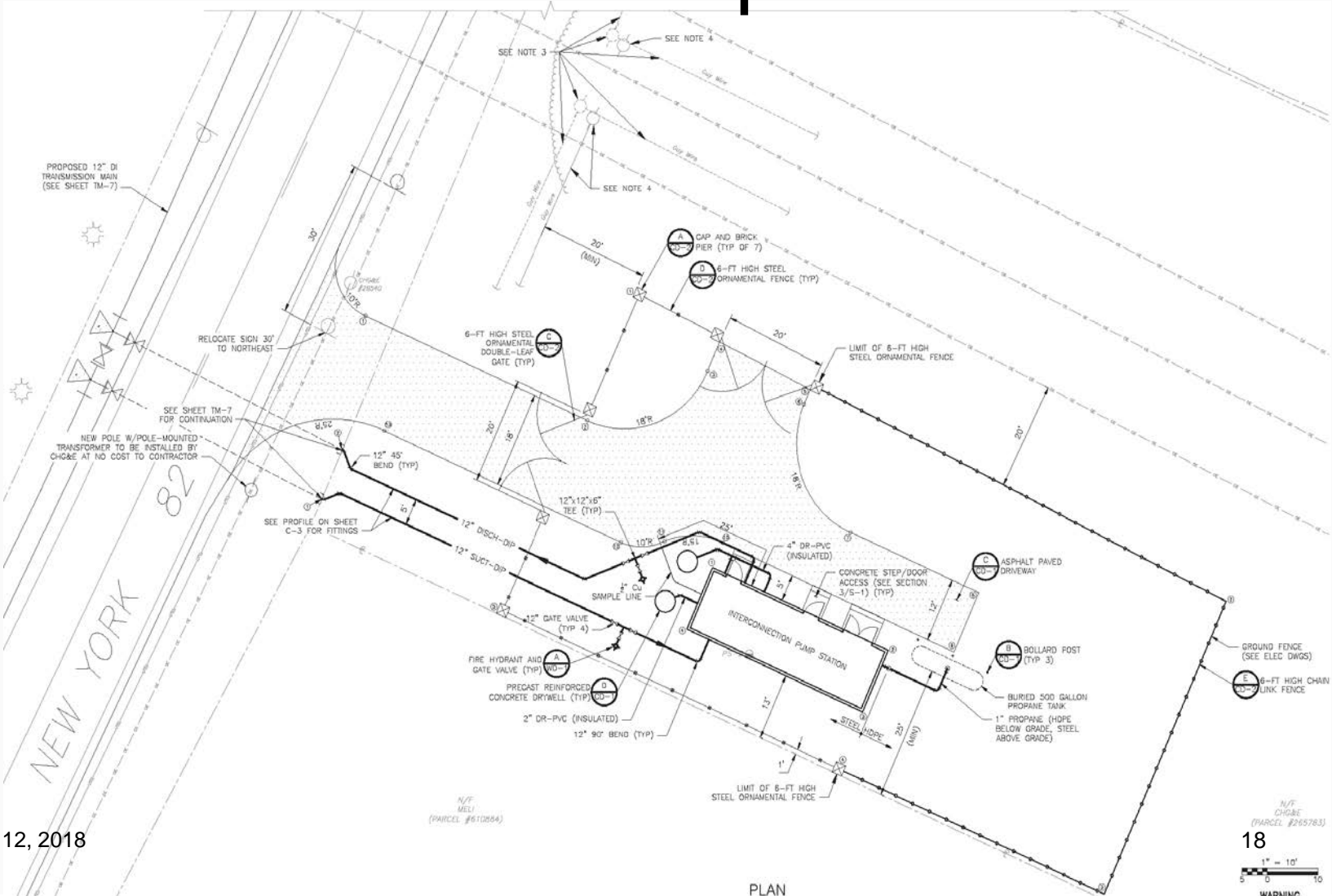


Phase I: Transmission Mains





Phase I : Pump Station





Phase I : Pump Station Rendition





Phase I: Water Main

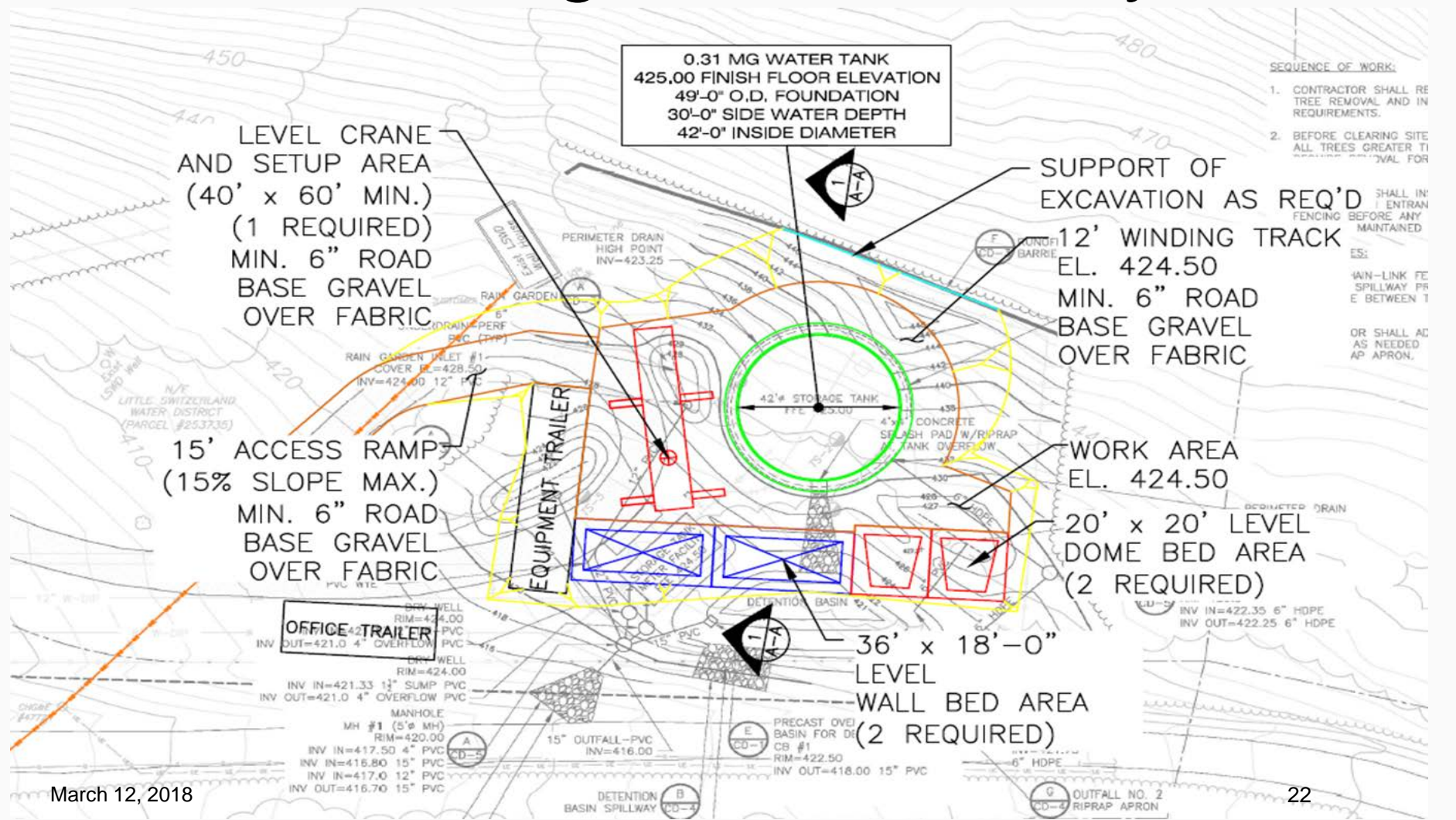


March 12, 2018





Water Storage Tank Site Layout





Phase I : Water Storage Tank Site Rendition





Phase I : Water Storage Tank Site Rendition



March 12, 2018

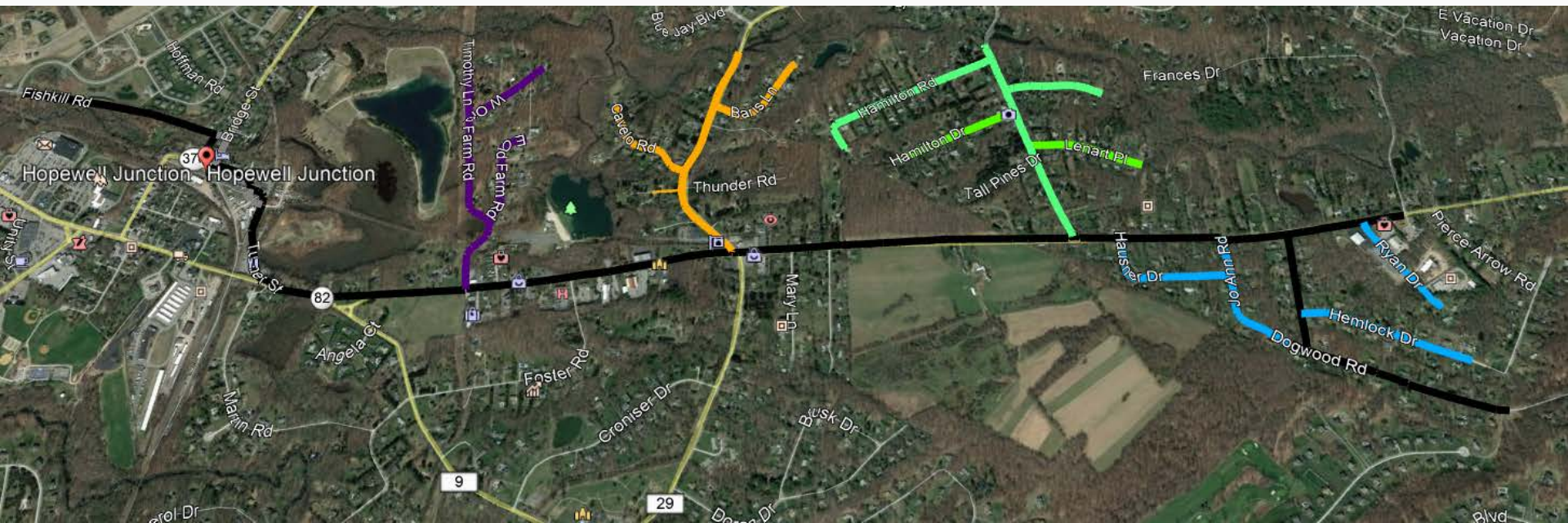


Phase II: Branch Main Installation Sequence of Construction

- Planned Start: Winter of 2019
- Branch main installation - residential branch mains to curb stops - 4.6 miles
 - Old Farm Road East & West / Timothy Lane
 - Clove Branch Road / County Road 29 / Henry Drive / Cavelo Road / Baris Lane
 - Creamery Road / Hamilton Road & Drive / Canterbury Court / Lenart Drive
 - Hausner Drive / Joann Road / Dogwood Road / Hemlock Road / Ryan Road



Phase II: Branch Main Installation





Phase III: Service Connections Sequence of Construction

- Planned Start: Fall of 2019
- Private property service connections
 - Initial inspection - USACE / contractor / owner
 - Property specific designs
 - Access agreement / work order
 - Town construction permit
 - Mole HDPE from curb stop to foundation
 - Install new service connections
 - POET and well decommissioning
 - Property restoration / signed release



Operation & Maintenance

- O&M Commences
 - Complete startup / demonstration testing
 - Owner acceptance and transfer completed
- Contractor Furnishes Town of East Fishkill
 - Operating manuals
 - Master equipment list
 - Manufacturer certifications for installation
- Contractor Responsibilities
 - Instruction of town operators: Startup, seasonal maintenance, O&M manual use / updates



- Administrative Record file available at:
Town of East Fishkill EPA Superfund Records Center
Community Library 290 Broadway, 18th Floor
(845) 221-9943 New York, NY
 (212) 637-4308
- For General Inquiries: Cecilia Echols, EPA Community Involvement Coordinator, at 212-637-3678 or email: echols.cecilia@epa.gov or Lorenzo Thantu, EPA Remedial Project Manager, at 212-637-4240 or email: thantu.lorenzo@epa.gov
- For additional information:
<http://www.epa.gov/region02/superfund/npl/hopewell/>