

Allen Street Storm Drainage Improvements And Roadway Reconstruction

Project Update
January 21, 2026





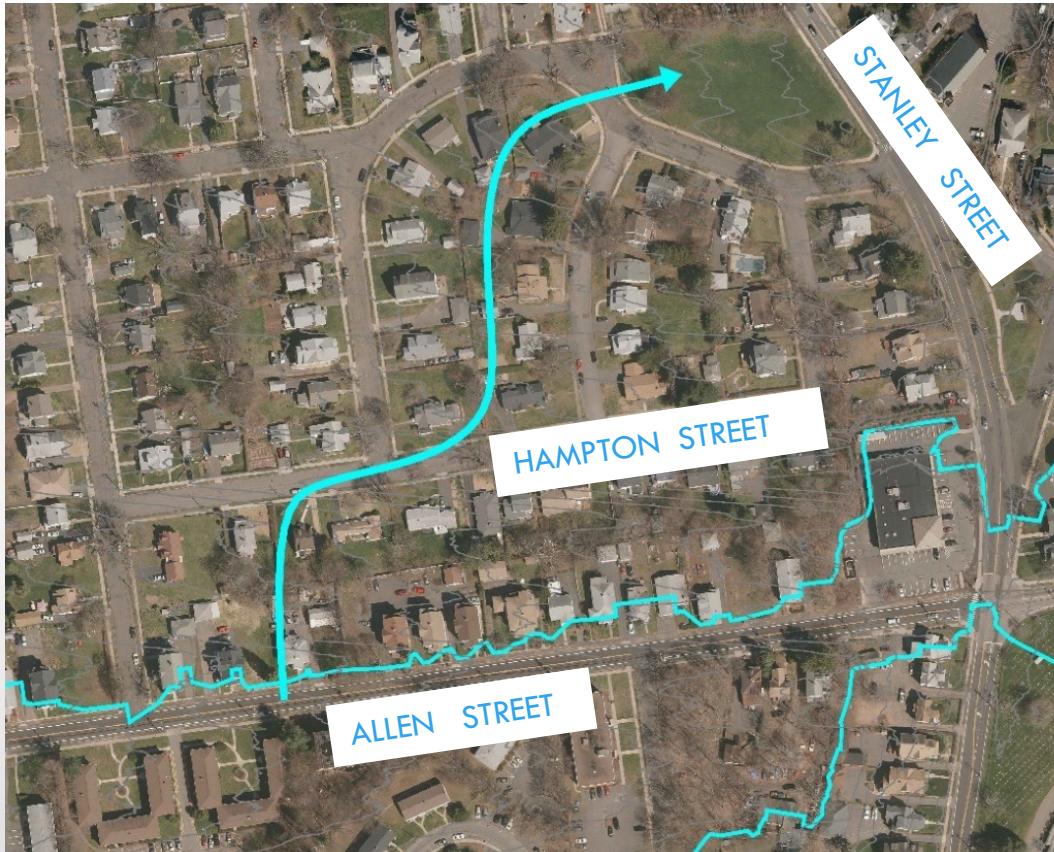
OVERVIEW

- PROJECT OVERVIEW & UPDATE
- FUNDING
- DESIGN UPDATE

PROJECT AREA



EXISTING CONDITIONS



- Old infrastructure in need of upgrades and replacement
- Roadway Flooding occurring more frequently due to climate change
- 24" stormwater clay main on Allen Street is very undersized
- Allen Street floods at low point @ 469
- Allen Street flooding leaves the drainage basin causing flooding in road and between houses to Andrews Park
- Sanitary Sewer Inflow and Infiltration. – Results in Sanitary Sewer Backups
- Water main due for replacement
- Sidewalks, curbing & streetscape in fair condition



EXISTING CONDITIONS



- Allen Street floods at low point @ 469 Allen Street
- Stormwater Runoff flows between houses to Andrews Park

FLOODING - HAMPTON, EATON, NEWBURY ROXBURY & ANDREWS PARK





PROJECT OVERVIEW

- Approx. 3,500' of roadway improvements and utility upgrades between Oak Street and approaching Beacon Street
- Existing 24" storm drainage pipe replaced with larger pipe
 - New pipe ranging in size from 48" to 66"
 - Designed for 25-year storm flows
- Existing 12" sanitary sewer replaced with 24" pipe
 - Address sewage backups and overflow
- Roadway reconstruction including replacing curbing, sidewalks and driveway aprons within project limits
- Streetscape enhancements on Allen Street between Oak Street and Dixon Street
- Water Main Replacement

PROJECT CHALLENGES



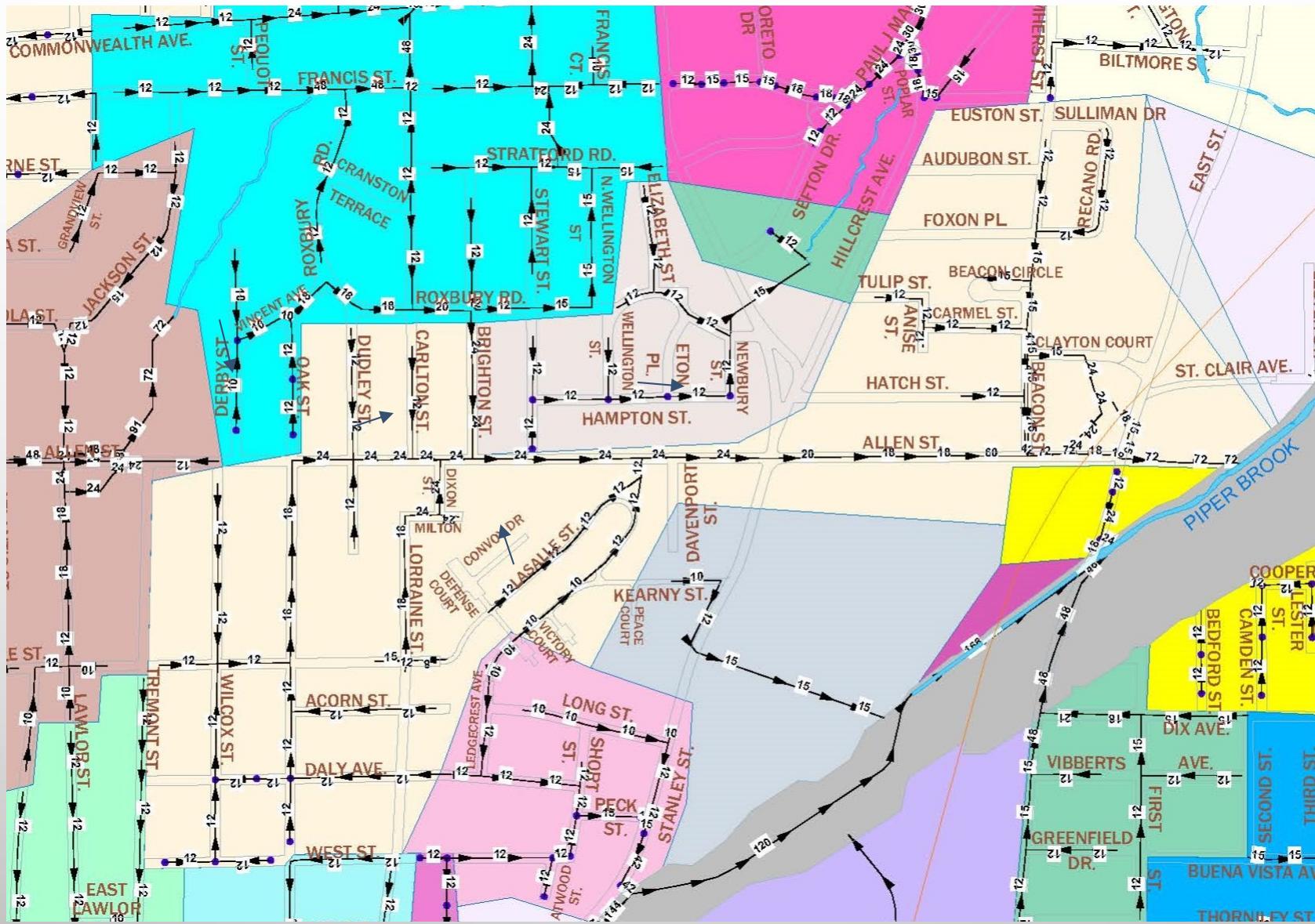
- High Project Cost estimated over \$14 million
- Lack of State or Federal Funding for Drainage & Utility Projects
- Deep Rock Excavations (over 20' deep) required for stormwater and sewer mains
- Portion of Allen Street is a State Road (SR 175)
- Handling Stormwater Runoff During Construction
- Increasing frequency and severity of high intensity rain events
- Sanitary Sewer Inflow and Infiltration (I&I) – Results in Sanitary Sewer Main surcharging & backups
- Managing traffic and property access during construction

OTHER PROJECT CONSIDERATIONS

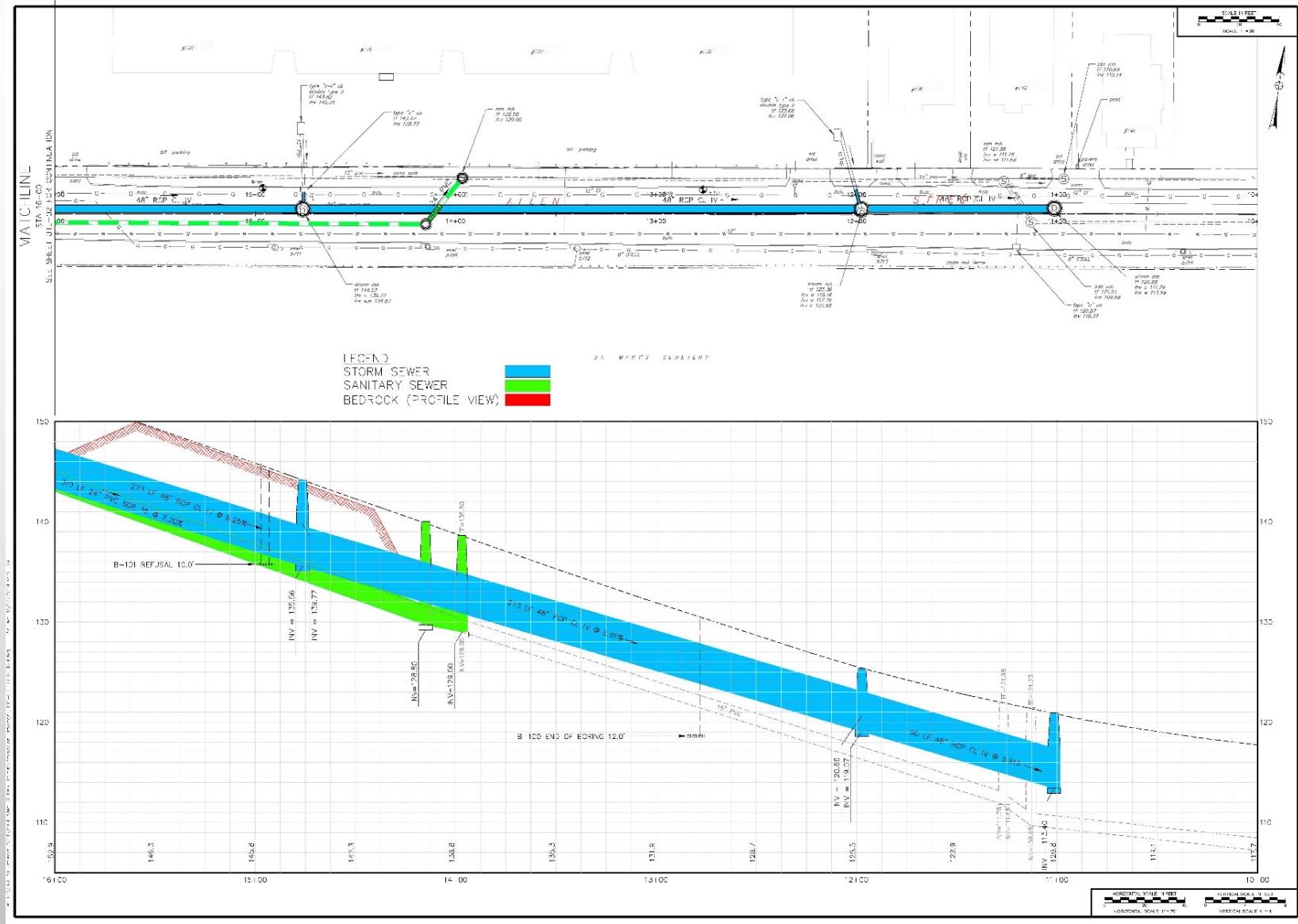
- Coordination w/ Connecticut Department of Transportation
- Property foundation survey & documentation related to rock excavation
- Temporary rights to grade from property owners for sidewalk and driveways
- Maintaining sewage flows & during construction
- Maintaining water service related to main replacement
- Property basement investigation related to sewer & storm connections
- Limit impacts and disturbance on private property
- Project restoration



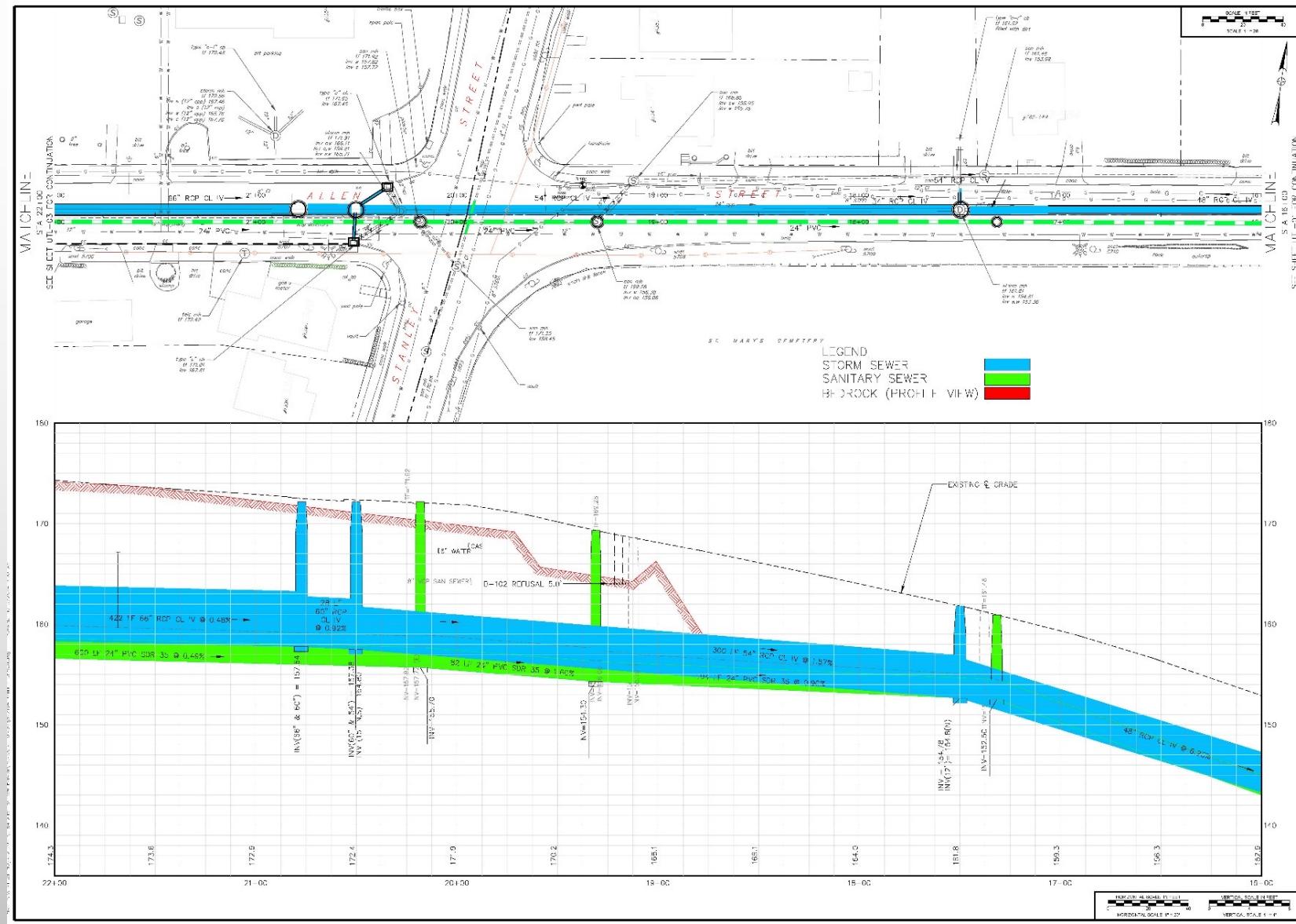
EXISTING STORM DRAINAGE



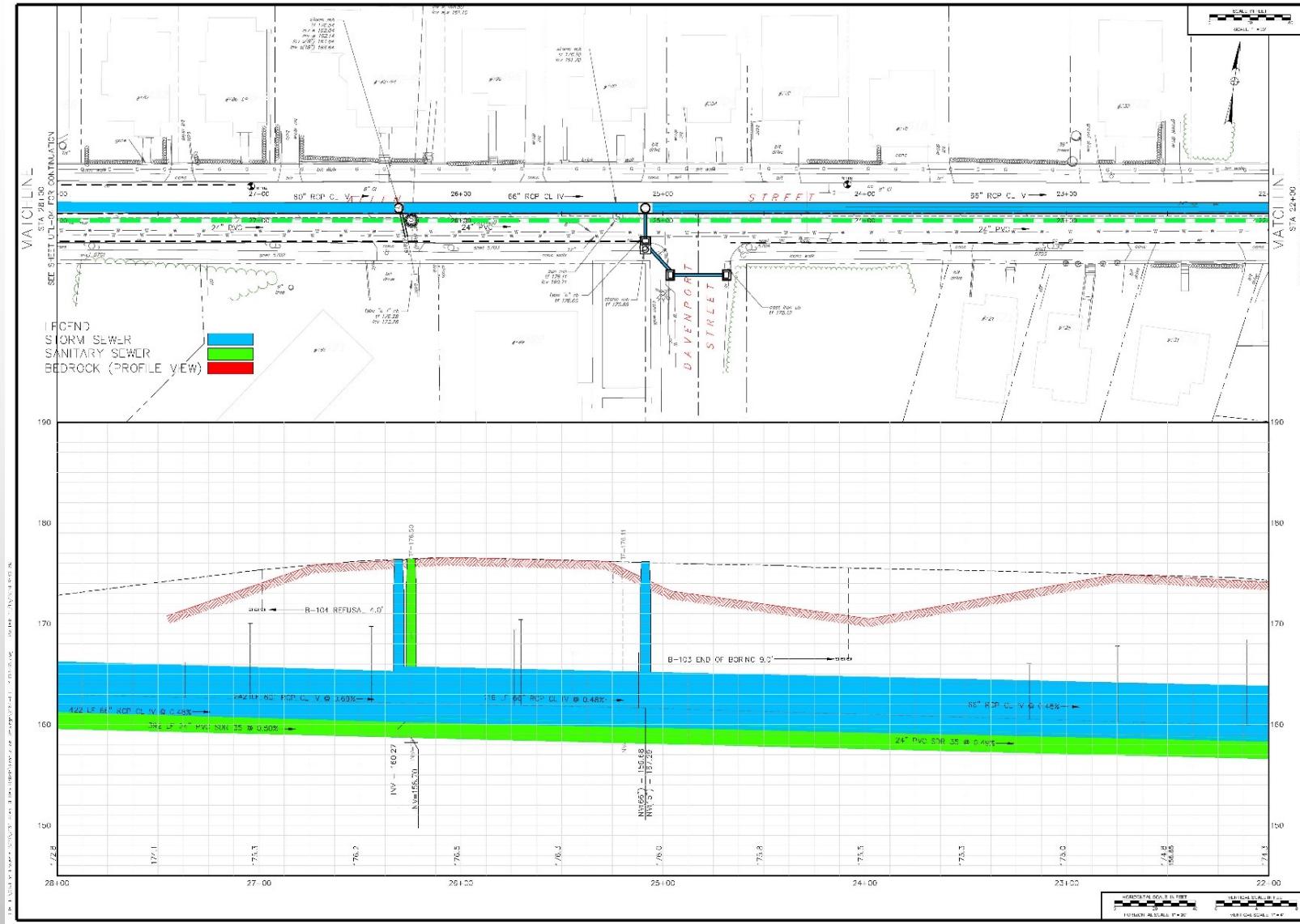
DRAINAGE IMPROVEMENTS



DRAINAGE IMPROVEMENTS

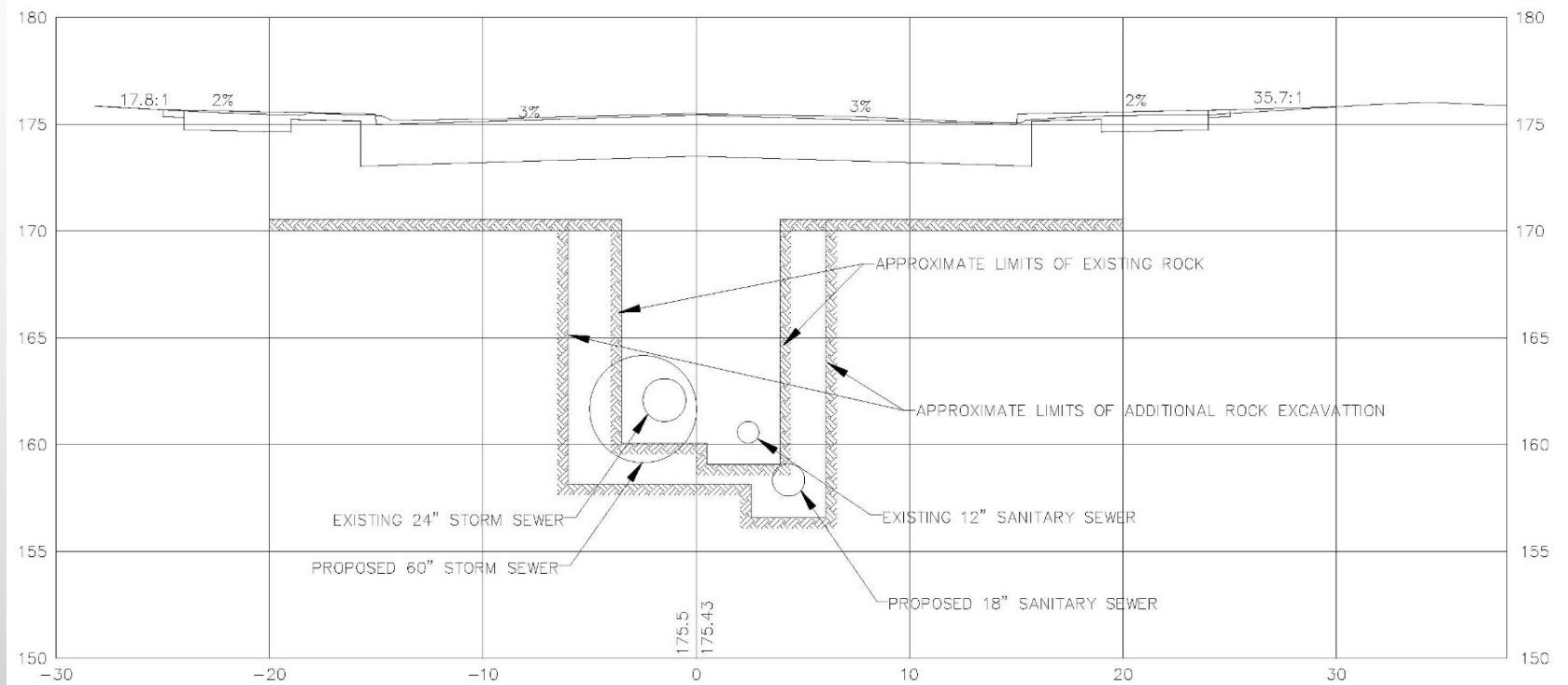


DRAINAGE IMPROVEMENTS

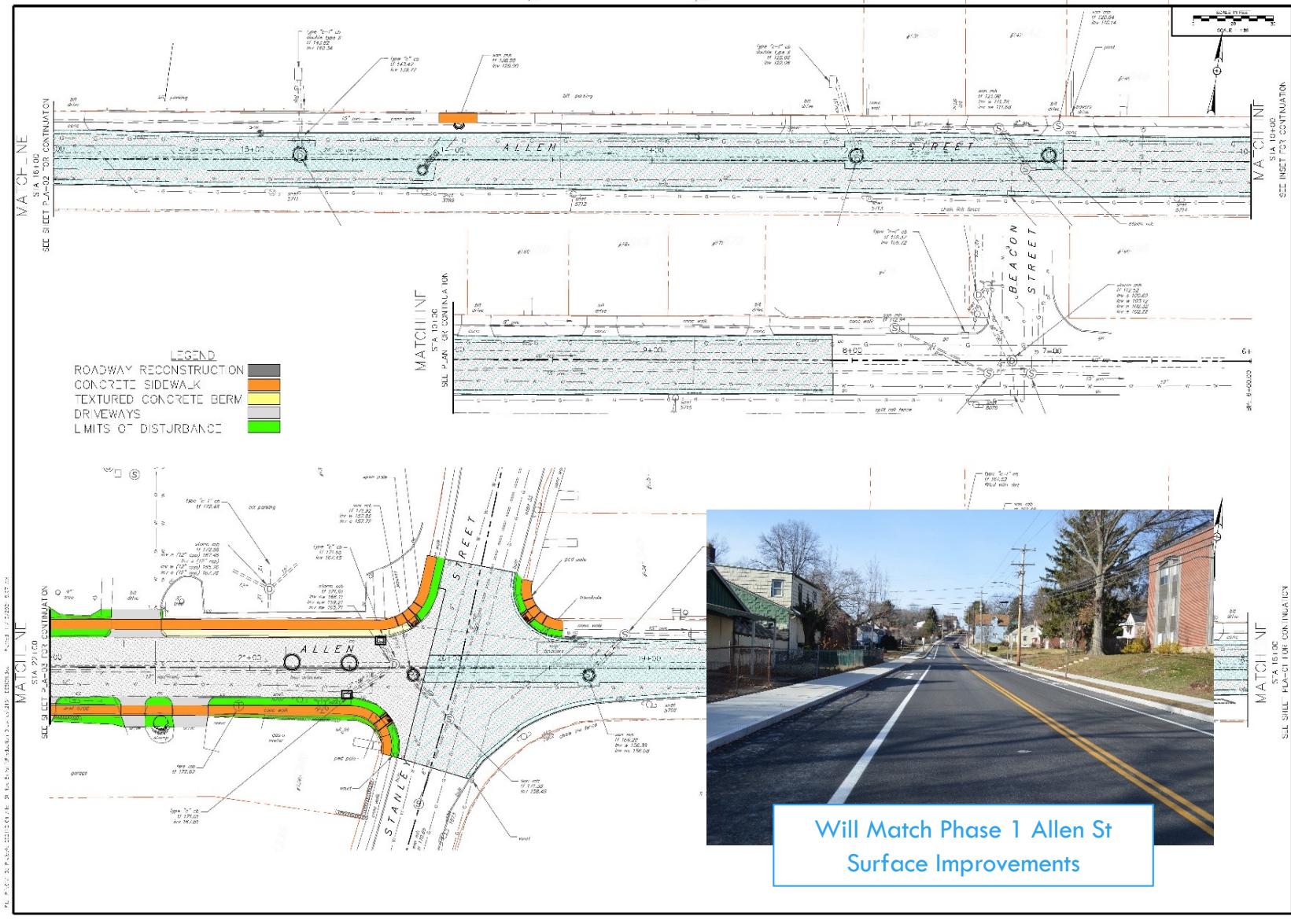




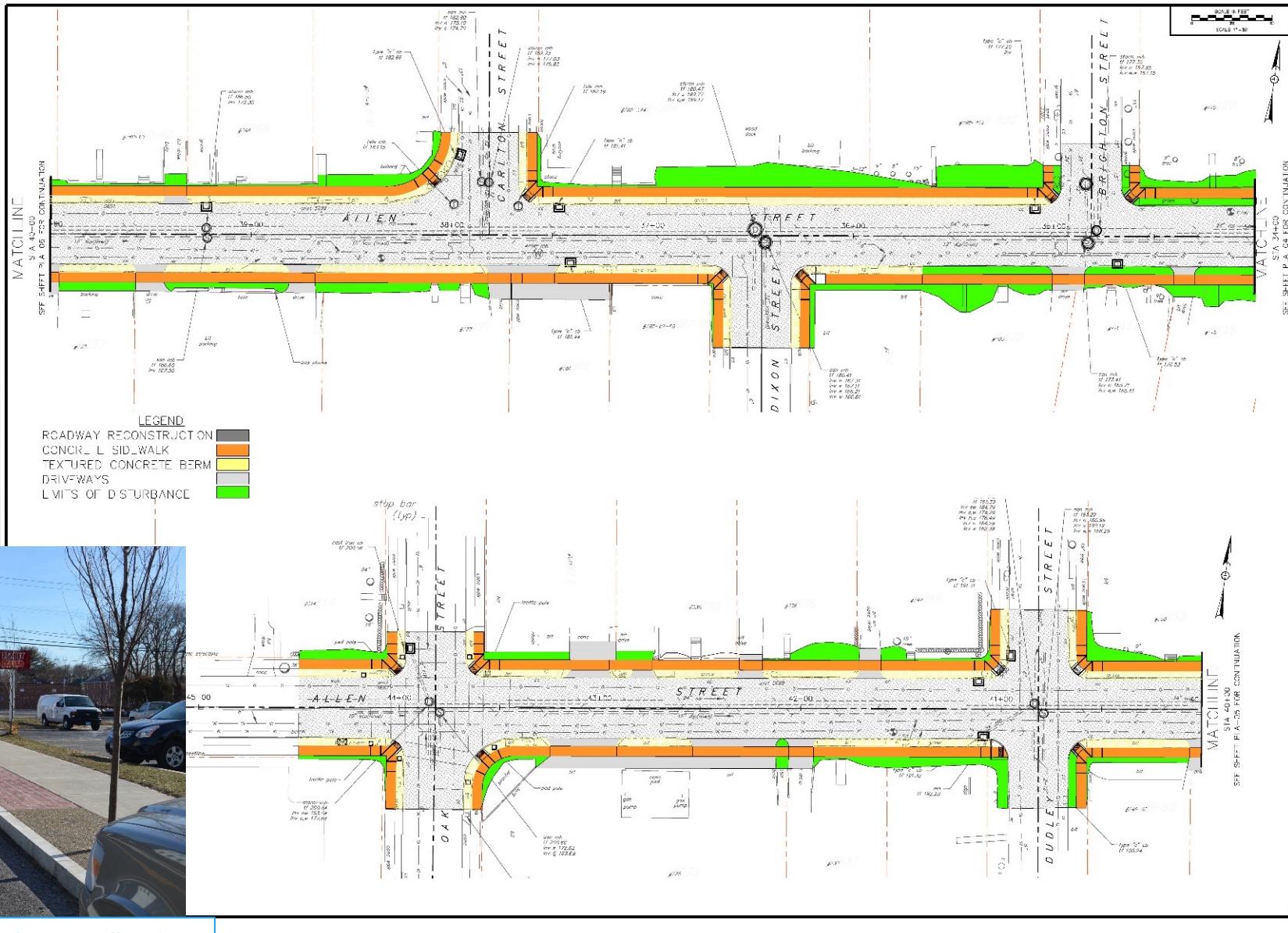
TYPICAL TRENCH SECTION



SURFACE IMPROVEMENTS



SURFACE IMPROVEMENTS



Will Match Phase 1 Allen St Surface Improvements

PROJECT FUNDING



Allen Street Phase 2 Funding

- Project has been difficult to get funded from State / Federal grants
 - High cost estimated at \$14 million
 - Can't break the project into multiple phases
 - Minimal funding available for Climate Resiliency, Flooding & Infrastructure upgrade projects
 - Project addresses what's local, and not regional, problem
 - Project doesn't impact that many people
- Past State & Federal Grant Requests Including:
 - State of Connecticut Bonding (multiple years) – unsuccessful until 2025 & this was only a \$2 million award
 - FEMA Hazard Mitigation Grant Request (2022 & 2023) - Application withdrew in 2024 due to project not meeting required Benefit Cost Ratio (BCR)
 - FHWA PROTECT Grant Application (2023) - Project not selected for funding

PROJECT FUNDING



Allen Street Phase 2 Funding

- Project Current Funding Status – **Good News, we've nearly pieced it together!**
- Local, State & Federal Grant Funding Sources:
 - **\$6 Million - Local Funds committed by the City** – City funding source not fully established yet, but given the amount of water main replacement & sanitary sewer main replacement, Water & Sewer Funds Capital Project funding is easily justifiable funding sources
 - **\$2 Million - CT Urban Action Grant** - 2025 Approval
 - **\$960,000 – US EPA in State Bond Request 2025 Approval** - 2025 Approval (\$959,752 Federal, \$239,938 Local)
 - **\$5,000,000 – State of CT Local Transportation Improvement Program LOTCIP Grant** - applying through the Capital Region Council of Governments (CRCOG), application due February 18, 2026, 20% Cost Increase allowed after award
 - **\$4,000,000 – Water Infrastructure Federal Funding Application, Congresswoman Hayes** Current application. Could reduce local cost share and/or help with project costs. We won't fully know the project's cost until bids come in.

PROJECT DESIGN UPDATE



- Cardinal Engineering
 - Final Design Plans and Specifications Prepared
 - Plans were reviewed by CDOT District 1 Office, will need to do a second CTDOT submission
 - PW Engineering had a constructability review performed by CHA Consulting
 - Complete Water Main Replacement added to the project
 - Plans will be bid ready prior to funding being finalized
- Grant Coordination
 - Grant coordination and finalizes agreements with State of CT and EPA
 - Approved LOTCIP grant application will get submitted to CTDOT for review after CRCOG approval

Discussion & Questions

Thank you

City of New Britain Public Works