

Middlebrook Road Area Drainage Improvements

West Hartford, CT

November 5, 2026

WEST HARTFORD 1854

CDM Smith

Agenda

1. Project Team Introductions
2. Project Background and Overview
3. Drainage System Improvements
4. Permits and Schedule

Project Team

Town of West Hartford

- Director of Community Development – Duane Martin, PE
- Assistant Town Engineer – Julie Viera, PE

CDM Smith

- Senior Vice President – Joseph Laliberte, PE
- Project Manager – Cindy Baumann, PE
- Design Engineer – Joe Forleo

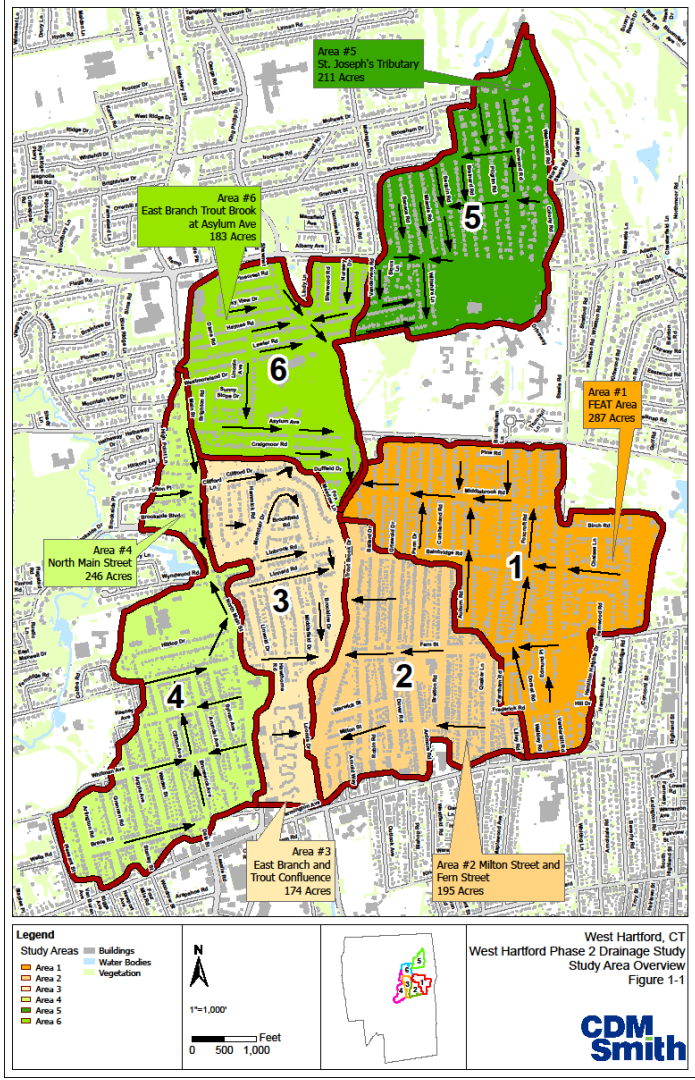


Project Background and Overview



Project Area History

- Significant flooding – two in 2018, one in 2019, four in 2021 – 7 major storms in 4 years
- Town conceptual study area: 6 drainage areas
- CDM Smith Drainage Study – Phase 1
  - Areas 1, 2, 3
  - Final Report, June 2020
- CDM Smith Drainage Study – Phase 2
  - Areas 4, 5, 6
  - Final Report, September 2021
- Drainage studies resulted in recommendations for drainage improvements



Existing Flooding - August 2021

Photos Source: we-ha.com



Middlebrook Rd @ Cumberland Rd



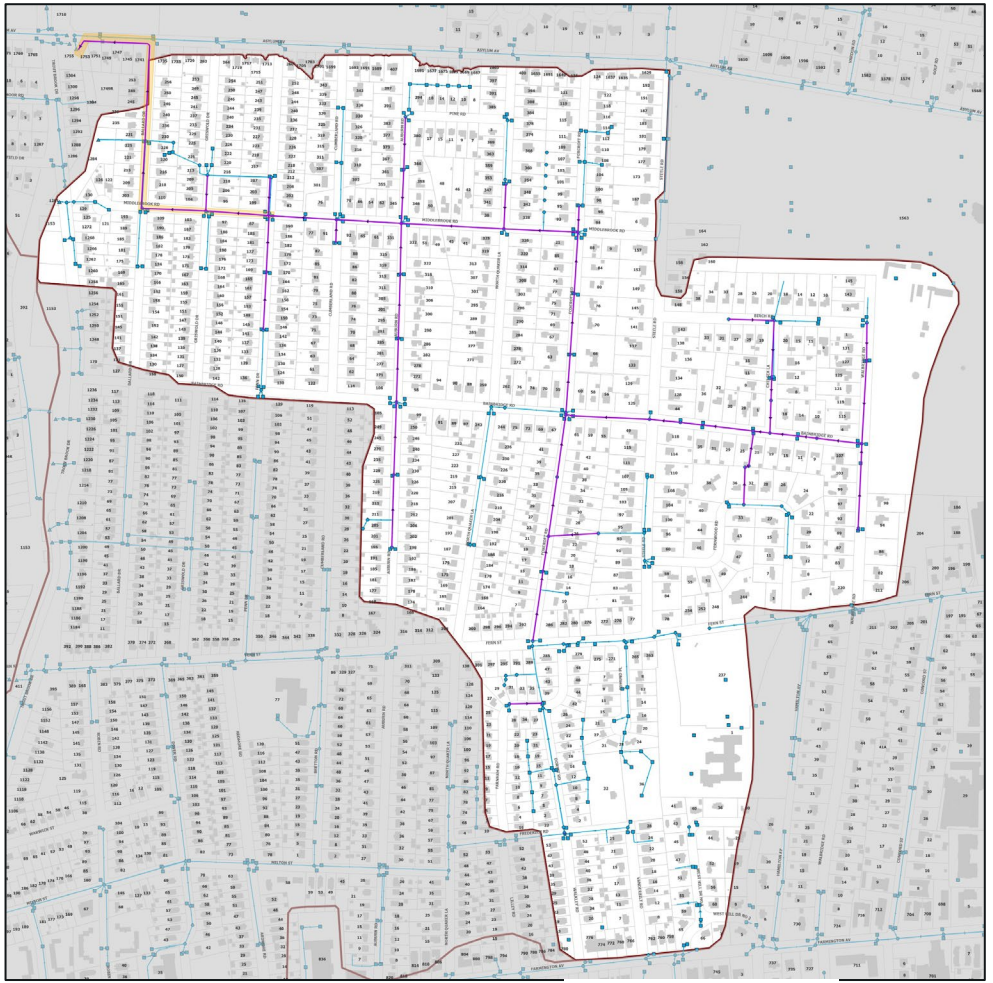
Auburn Rd @ Middlebrook Rd



Cumberland Rd

Project Area

- FEAT watershed bounded by:
  - Farmington Avenue (south)
  - Elizabeth Park (east)
  - Asylum Avenue (north)
  - Trout Brook Drive (west)
- First phase
  - Middlebrook Road
  - Ballard Drive
  - Asylum Avenue
- Drainage system replacements and upgrades within the project area



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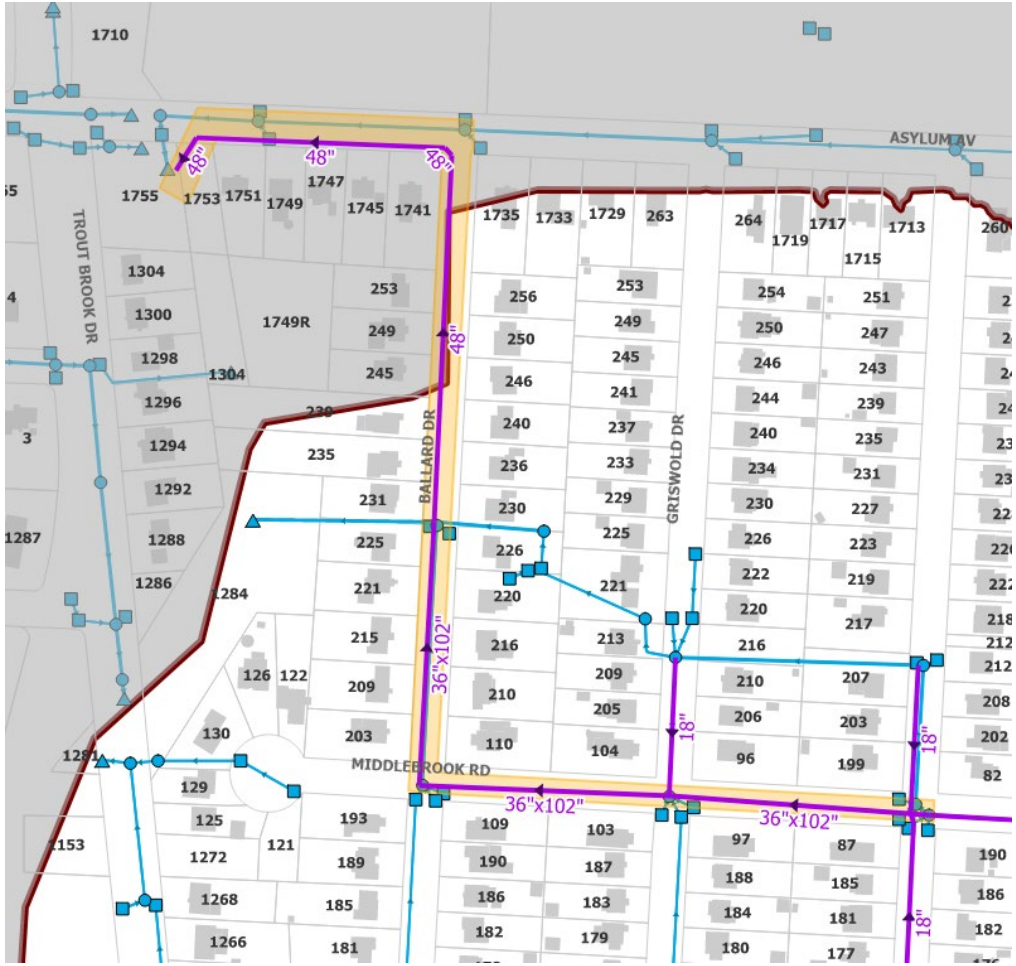


Drainage System Improvements



Phase 1 Construction

- Phase 1 highlighted in orange
- New storm drainage on:
  - Asylum Ave
  - Ballard Drive
  - Middlebrook Road
- New sanitary sewer on:
  - Ballard Drive

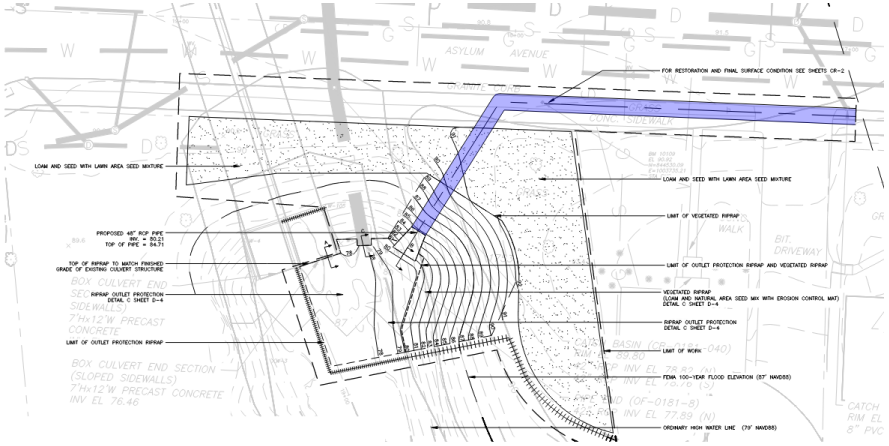


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Outfall Area

- Discharge to Trout Brook south of Asylum Ave
- New outfall located within 2 Town-owned parcels: 1753 and 1755 Asylum Ave

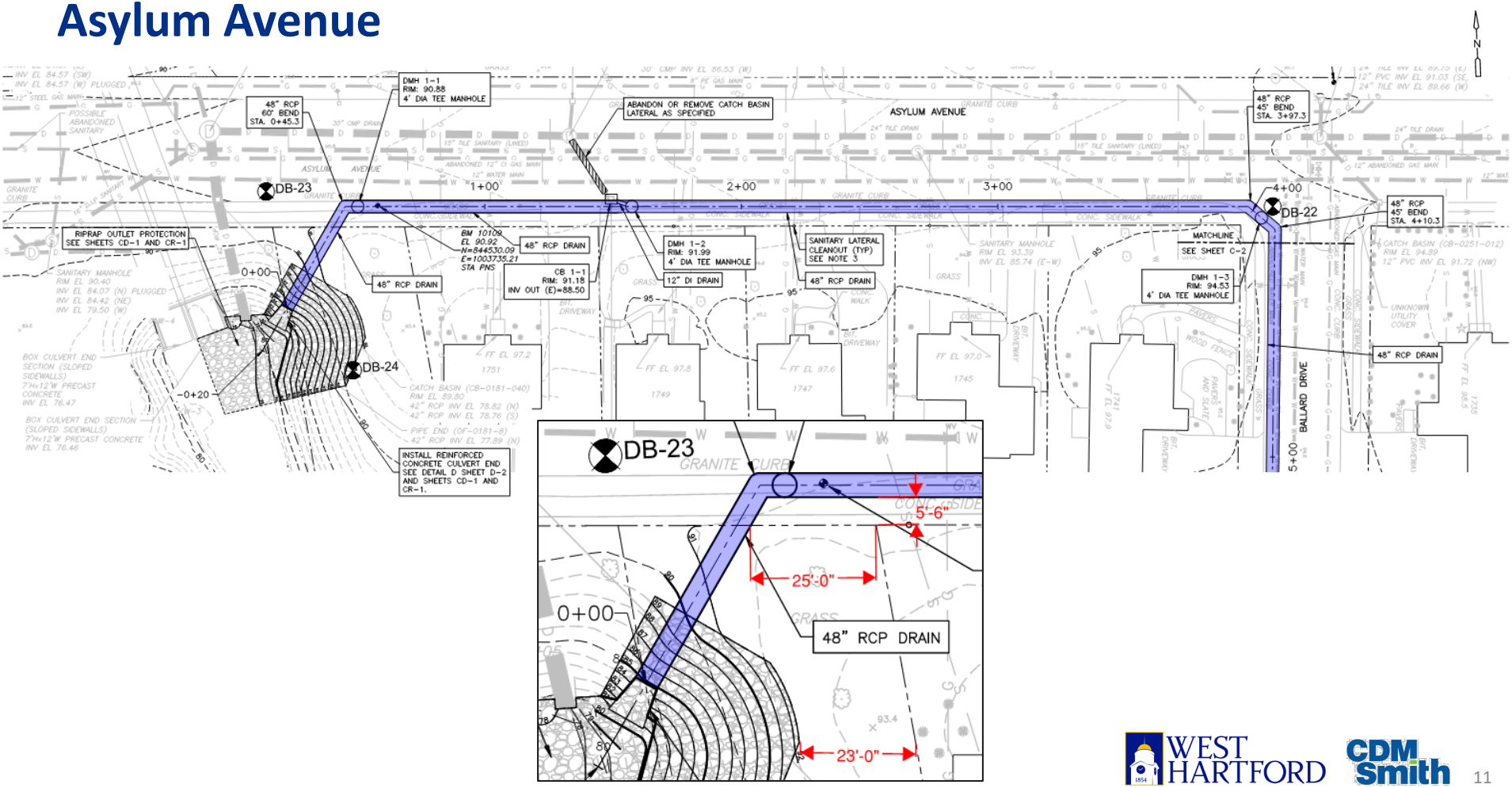


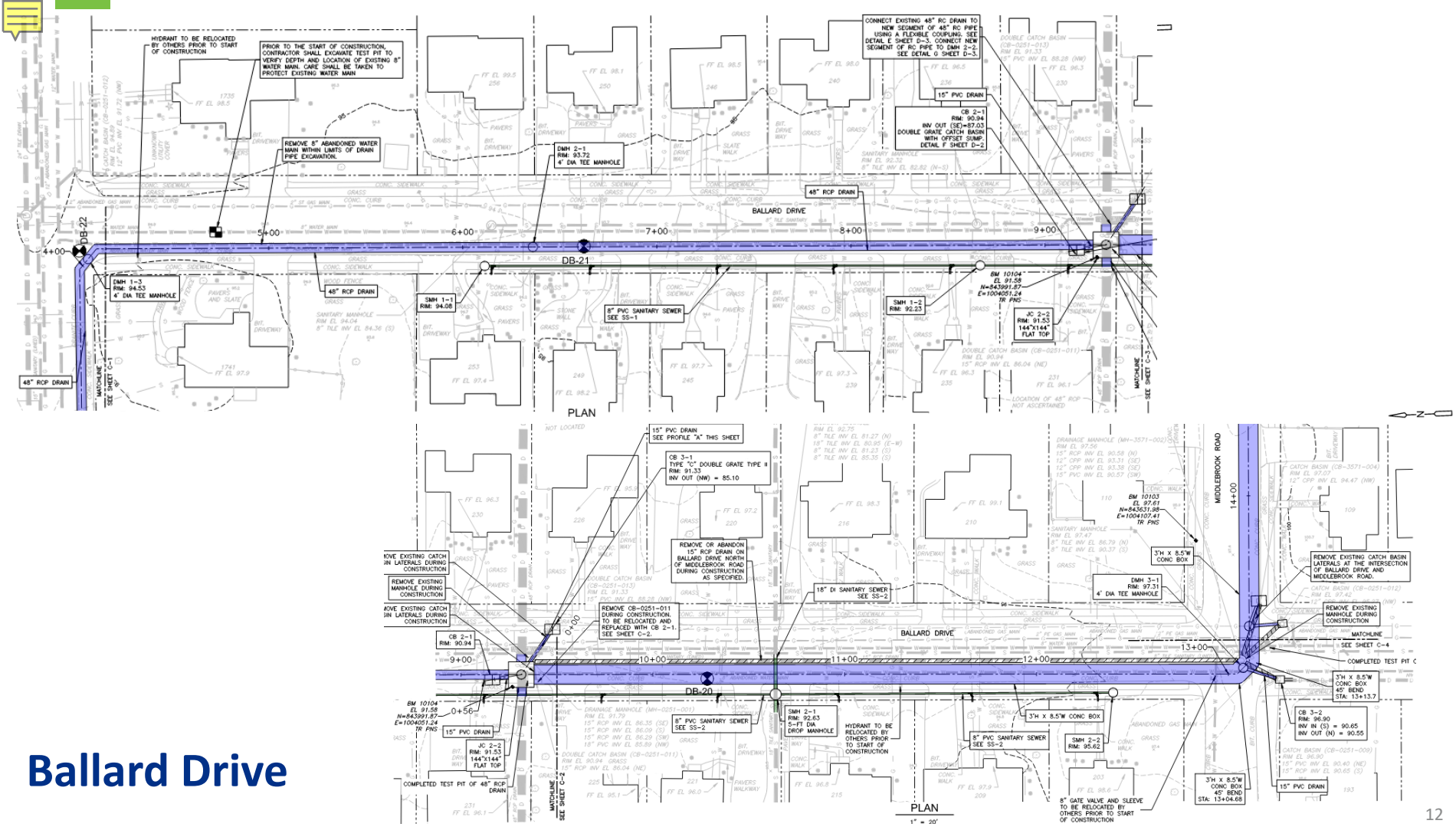


EXISTING SITE CONDITIONS

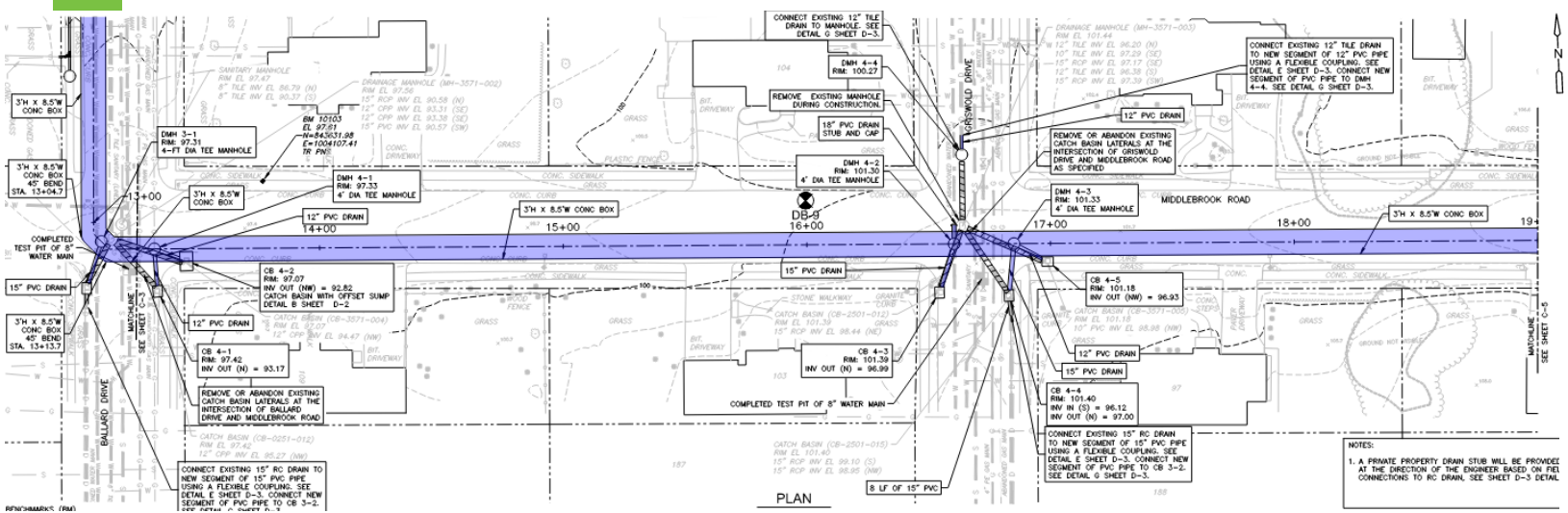


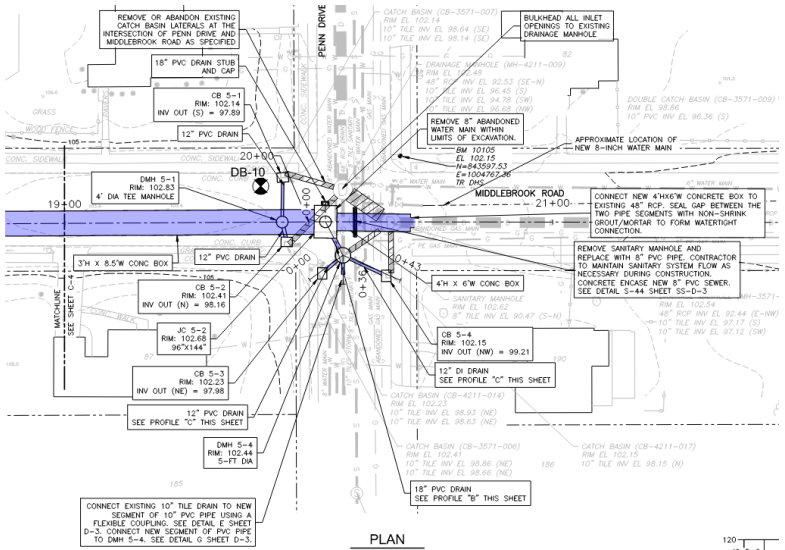
Asylum Avenue





Ballard Drive



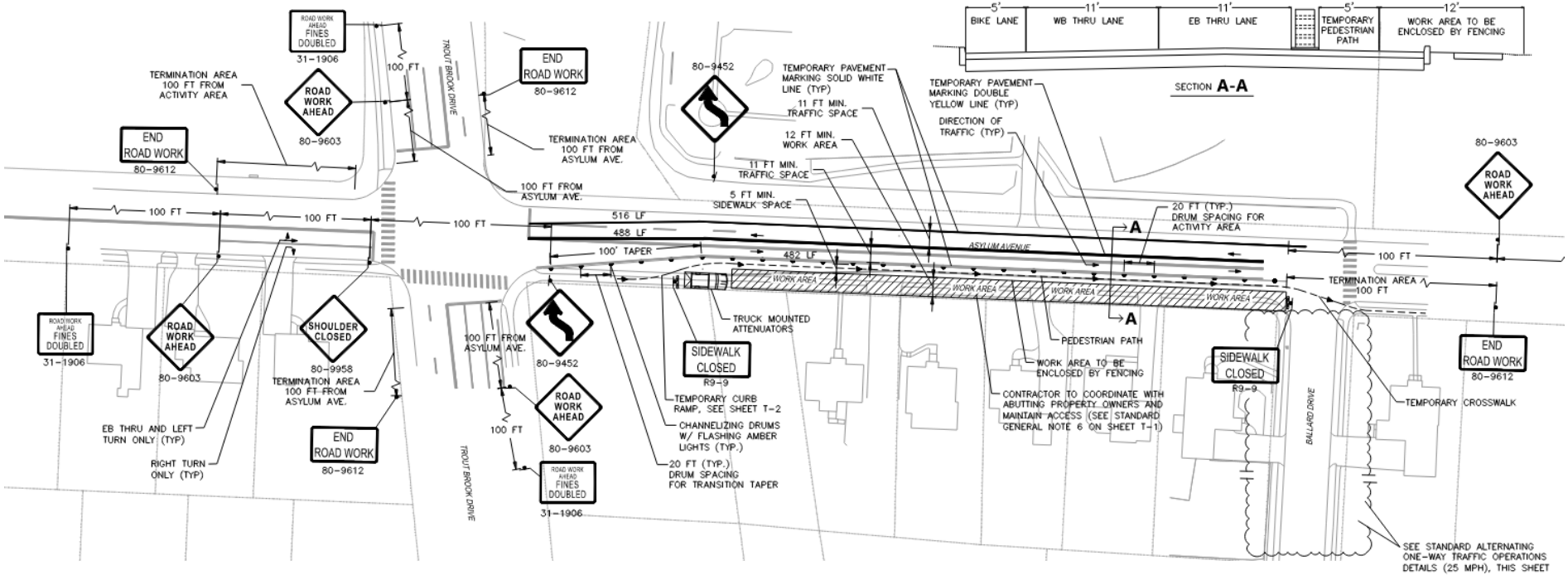


Middlebrook Road

Construction Impacts

- Any private property impacts will be restored to original condition
- New concrete driveway aprons and sidewalks:
  - Asylum Ave, between Trout Brook Drive and Ballard Drive
  - West side of Ballard Drive, between Asylum Ave and Middlebrook Rd
- New concrete driveway aprons only:
  - South side of Middlebrook Road, between Ballard Drive and Griswold Drive
  - Construction not expected to impact existing sidewalk
- If the tree at 1753 Asylum needs to be removed, it will be replaced

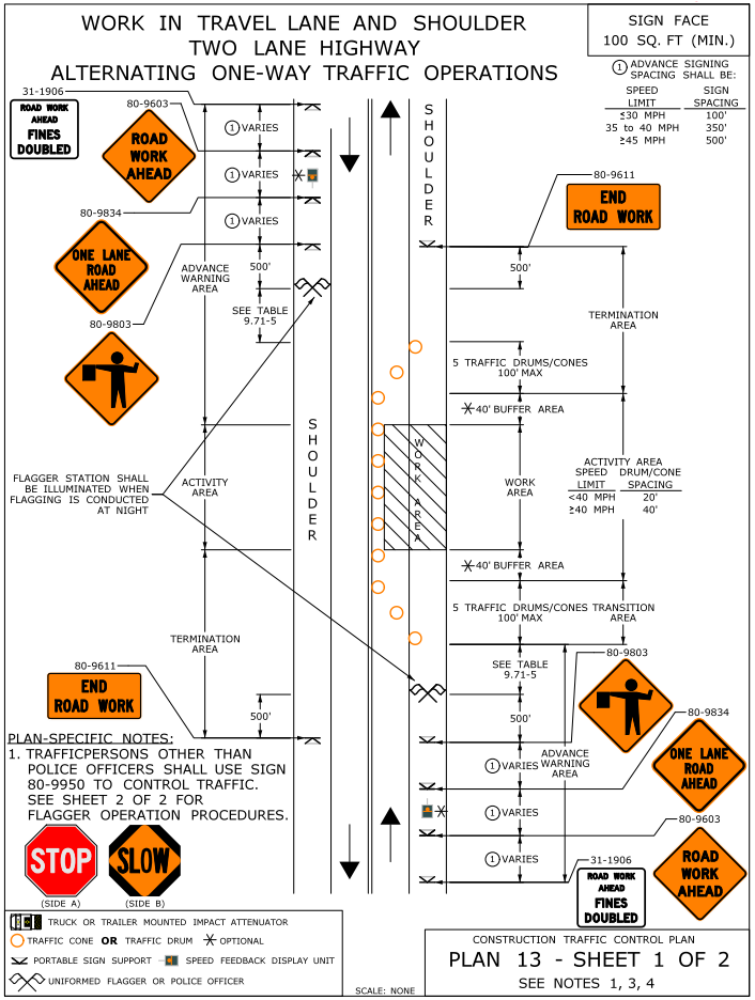
Asylum Avenue – Traffic Plan



- Pedestrian access shifted around work area
- Baseball field off Asylum Avenue will not be impacted

Ballard Drive and Middlebrook Road – Traffic Plan

- Standard alternating one-way traffic





Permits and Schedule



Anticipated Permits and Reviews

- West Hartford Inland Wetlands and Watercourse Agency
  - Submit application in November for acceptance at December 7, 2026 meeting
  - Presentation and public comment anticipated for the January 4, 2027 meeting
- Army Corps Of Engineers Pre-Construction Notification (PCN) under Nationwide Permit 7 for Outfall Structures and Associated Intake Structures
- Individual 401 Water Quality Certification – CT DEEP
- State and Tribal Historical Preservation Office Coordination
- Natural Diversity Database Review

Project Schedule

- Preliminary Design
- Permitting December 2026 through April 2027
- Final Design Summer 2027
- Construction anticipated to start fall of 2027 or Spring 2028


CAT
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Questions?


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SAFETY FIRST
CDM Smith
PFAS Water Treatment Pilot

Project Contacts

West Hartford:

Duane J. Martin, PE
Director of Community Development
50 South Main Street | Room 206
West Hartford CT 06107
860.561.7539 | www.westhartfordct.gov

Julie A. Viera, PE
Assistant Town Engineer
50 South Main Street | Room 204
West Hartford CT 06107
860.561.7542 | www.westhartfordct.gov

CDM Smith:

Joseph Laliberte, PE
Senor Vice President
101 East River Drive, Suite 1A
East Hartford, CT 06108
860.808.2277 | LaliberteJL@cdmsmith.com

Cynthia Baumann, PE, PMP
Project Manager
3 Davol Square, Suite A-425
Providence, RI 02903
401.457.0334 | baumannca@cdmsmith.com

www.westhartfordct.gov/town-departments/engineering/storm-water-management