



Heroes Tunnel Project



State Project No. 167-108

Heroes Tunnel Project Geotechnical Investigation Program

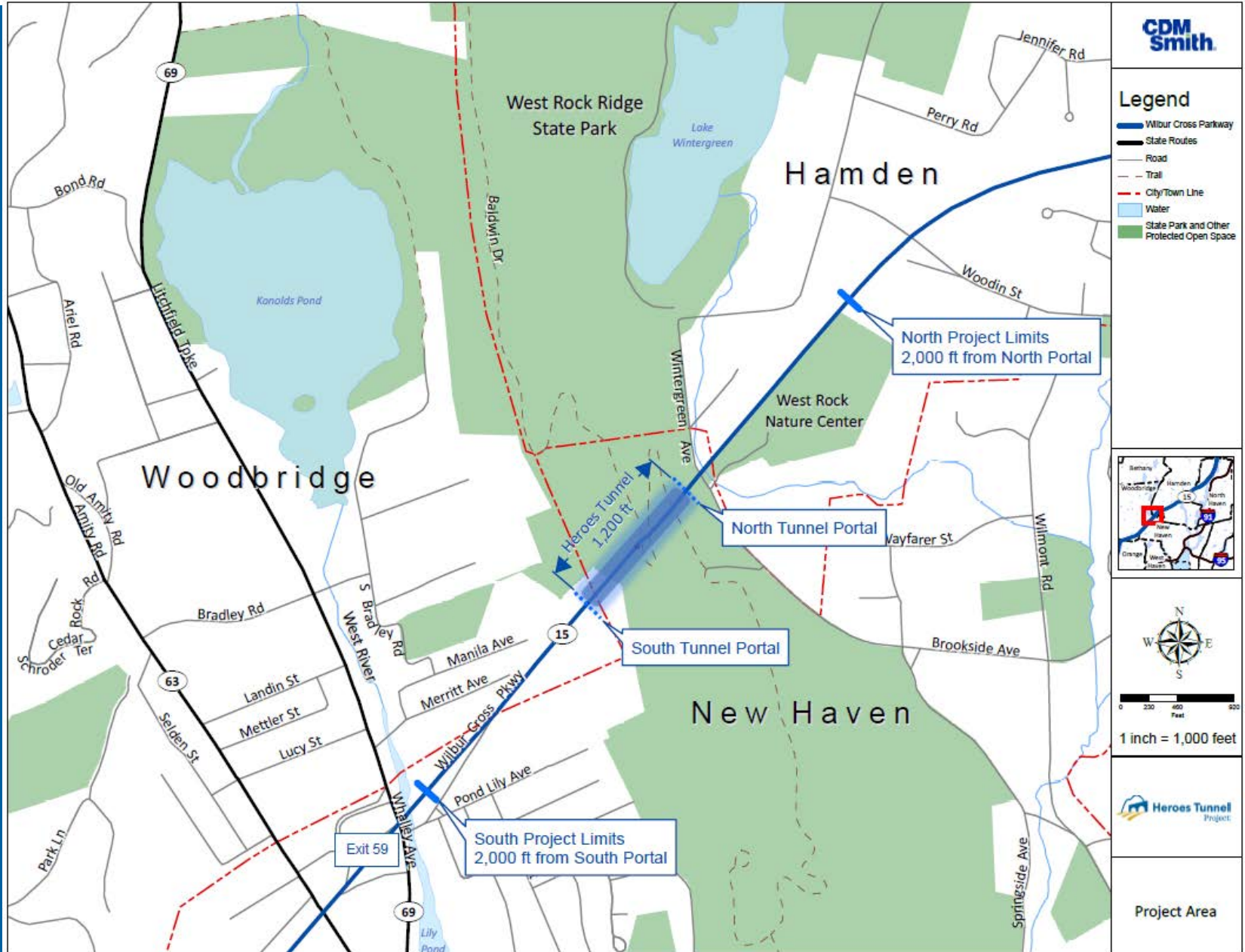
**Route 15 Wilbur Cross Parkway
Through West Rock Ridge**

**Town of Woodbridge, Town of Hamden
& City of New Haven**

October 15, 2018

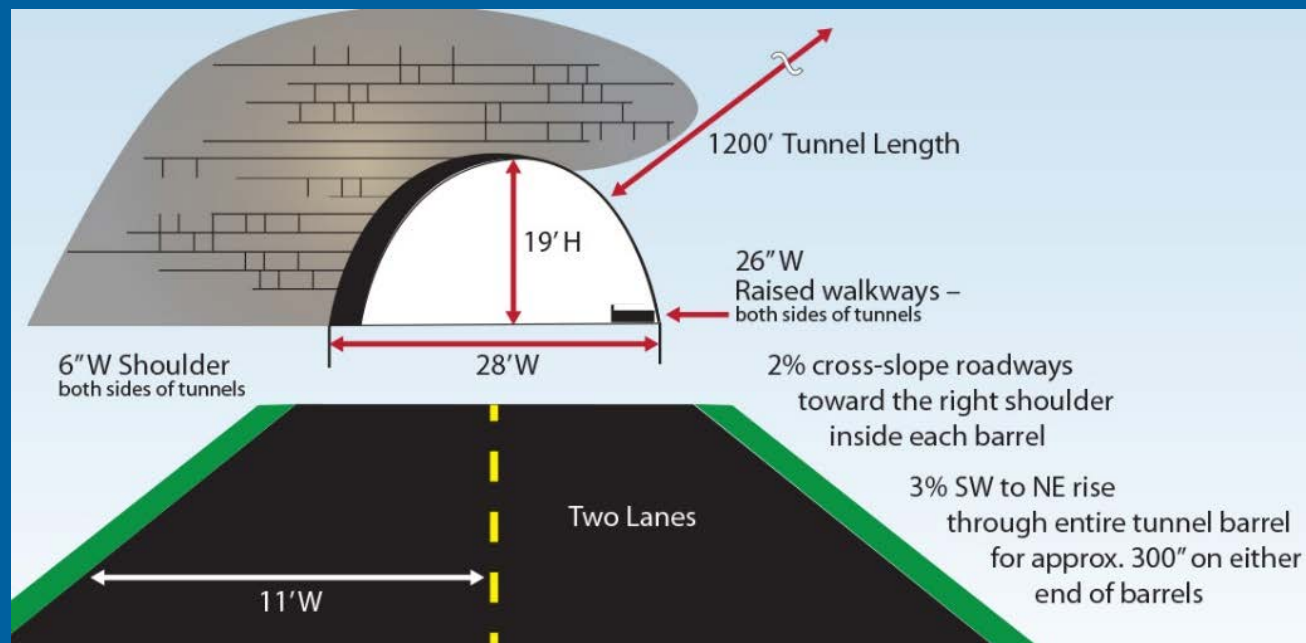
Agenda

- **Project Overview**
- **Geotechnical Investigation Program**
 - **Need**
 - **Process**
 - **Schedule**
 - **Outreach**
 - **Contact Information**

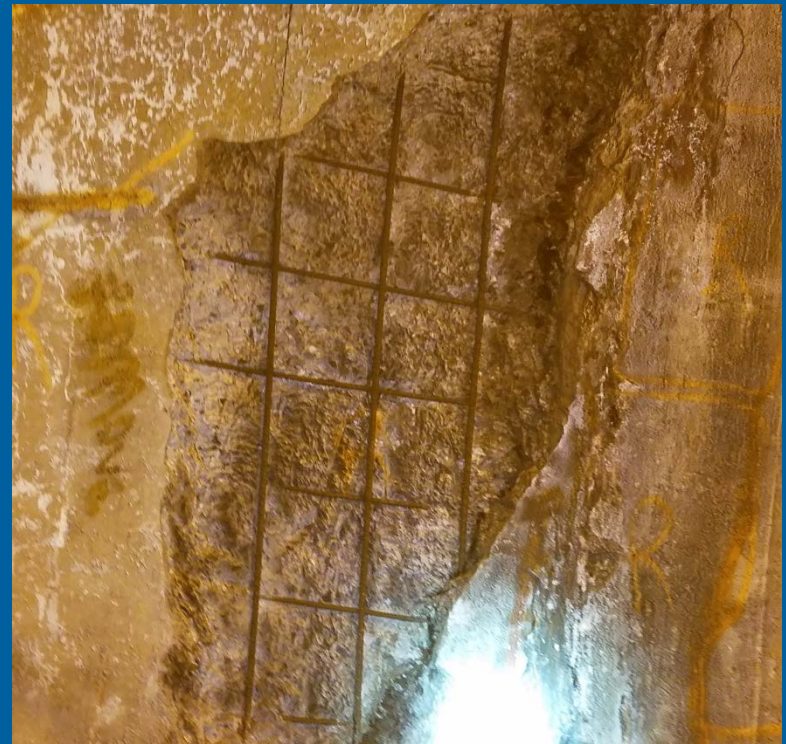


Existing Conditions

- **Non-Compliant with Tunnel Standards/Requirements**
 - Geometrics, Ventilation & Emergency Systems
 - Each Barrel: 11' Lanes, 6" Shoulders, 26" Walkways
- **Emergency Response Constraint**
- **Peak Hour Congestion**

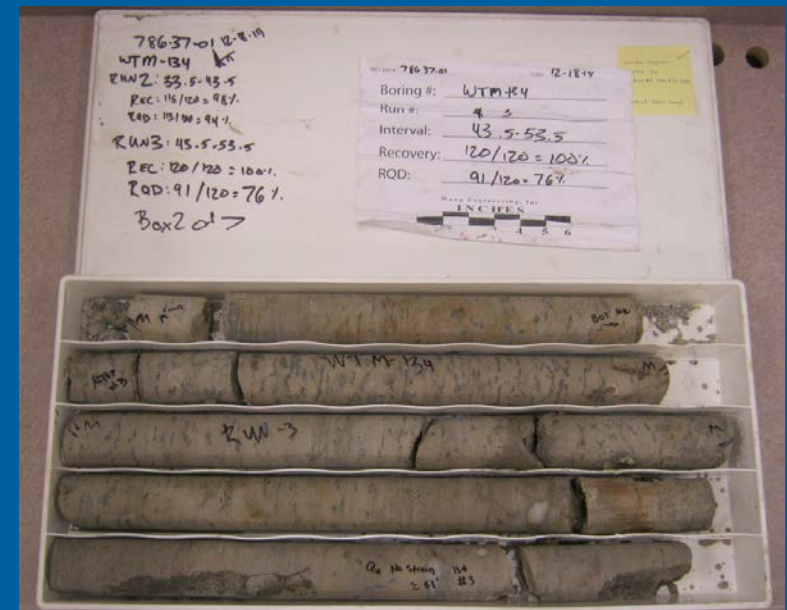


Existing Conditions



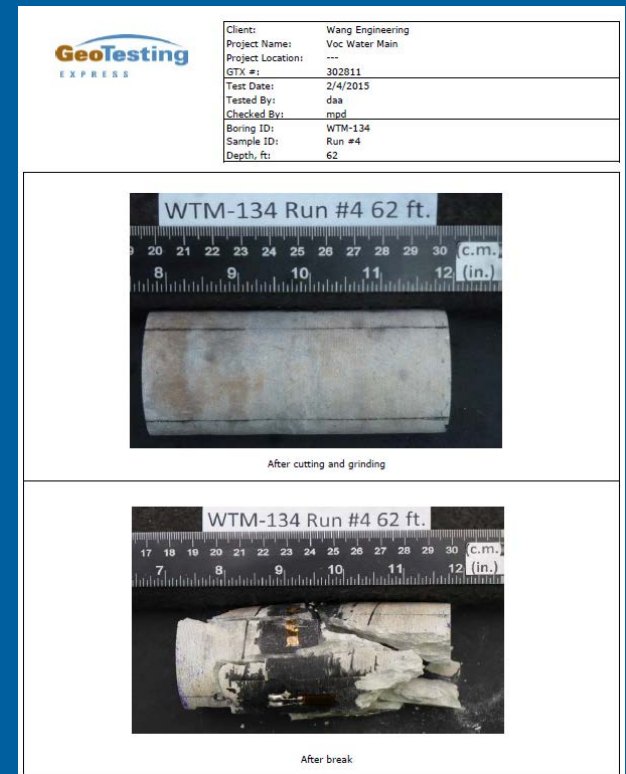
Geotechnical Investigation Program

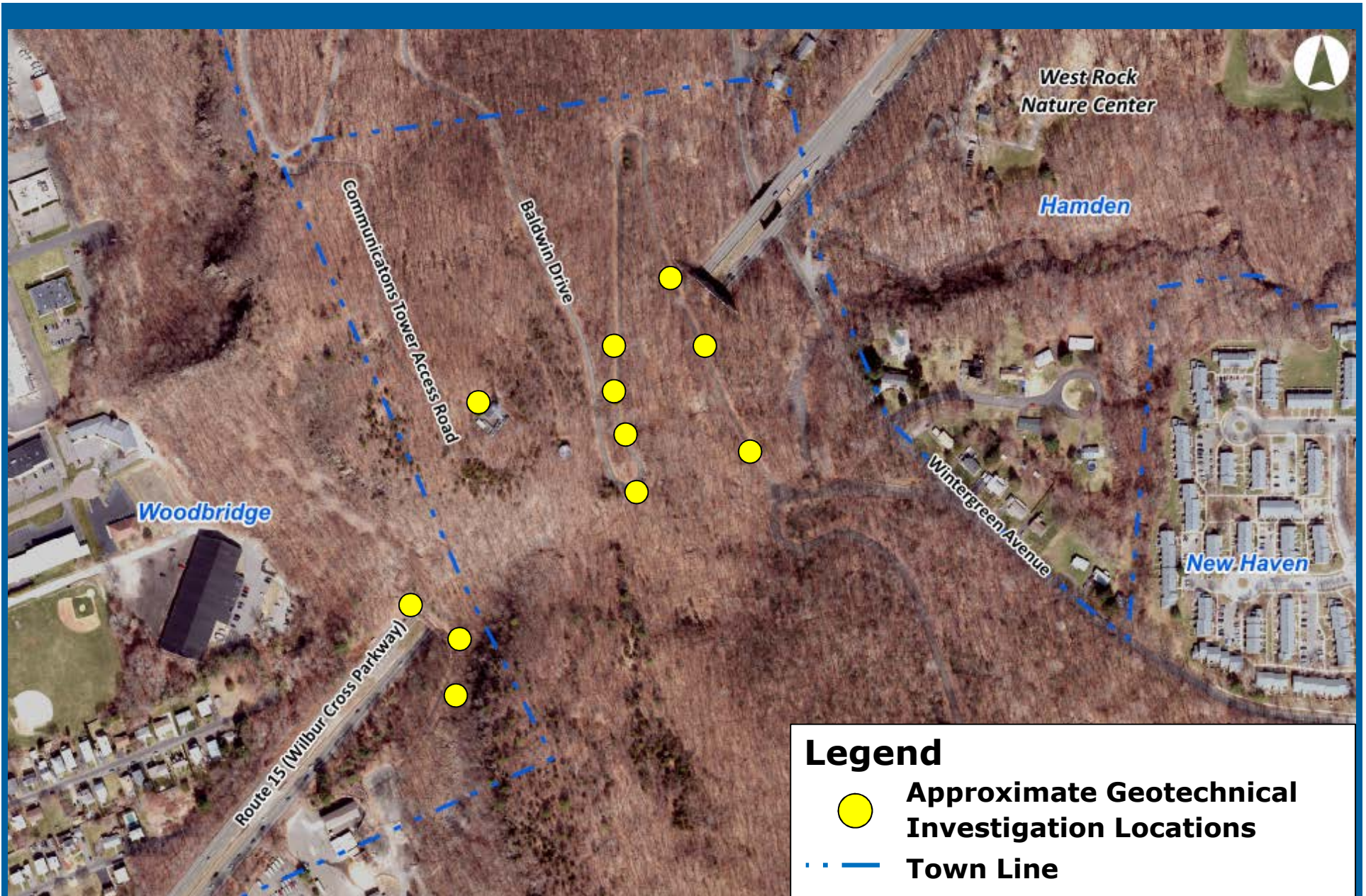
- Borings
- Field Tests
- Laboratory Tests
- Documentation
 - Geotechnical Data Report (GDR)
 - Geotechnical Interpretive Report (GIR)



Geotechnical Investigation Program

- **Provide**
 - **Ground Conditions and Rock Quality**
 - **Strength and Deformability**
 - **Drillability**
 - **Hydraulic Parameters in Evaluating Groundwater**
- **Determine**
 - **Construction/Excavation Methods**
 - **Support Mechanisms**
 - **Requirements of the Structural Systems**





Proposed Vertical Borings

- **11 Vertical Borings**
 - **Baldwin Drive and Access Road to Communication Tower**
 - **Depths 60 feet to 300 feet**
 - **Collecting Rock Core and Soil Samples**
- **Limit Disturbance to Cut & Cover Areas**

Proposed Vertical Borings

- All drilling fluid captured and disposed of off-site
- Drill holes backfilled with soil, bentonite grout mix, and bentonite clay mix
- Increased noise and minor vibration
- Maintain pedestrian and bicycle access
 - Safety Measures (Cones and Signage)
- Provide Access for Emergency Vehicles and Other Park Equipment/Vehicles to Pass







Geotechnical Investigation Program Schedule

- **Contractor Selected**
- **October 29, 2018 - Contractor Notice to Proceed**
- **October 31, 2018 - Contractor Anticipated Start of Drilling Operation**
- **6 to 8 weeks - Anticipated Drilling Duration**

Geotechnical Investigation Program

Public Outreach

- **Letters to CTDEEP & City of New Haven**
- **Meeting with Stakeholders/Owners**
- **Emails to Stakeholders/Owners 48-hours prior to start of drilling**
- **Heroes Tunnel Project Stakeholder Email Blast**
- **Social Media Updates (Facebook & Twitter)**
- **Flyers at Park Entrances & Parking Areas**



Heroes Tunnel Project

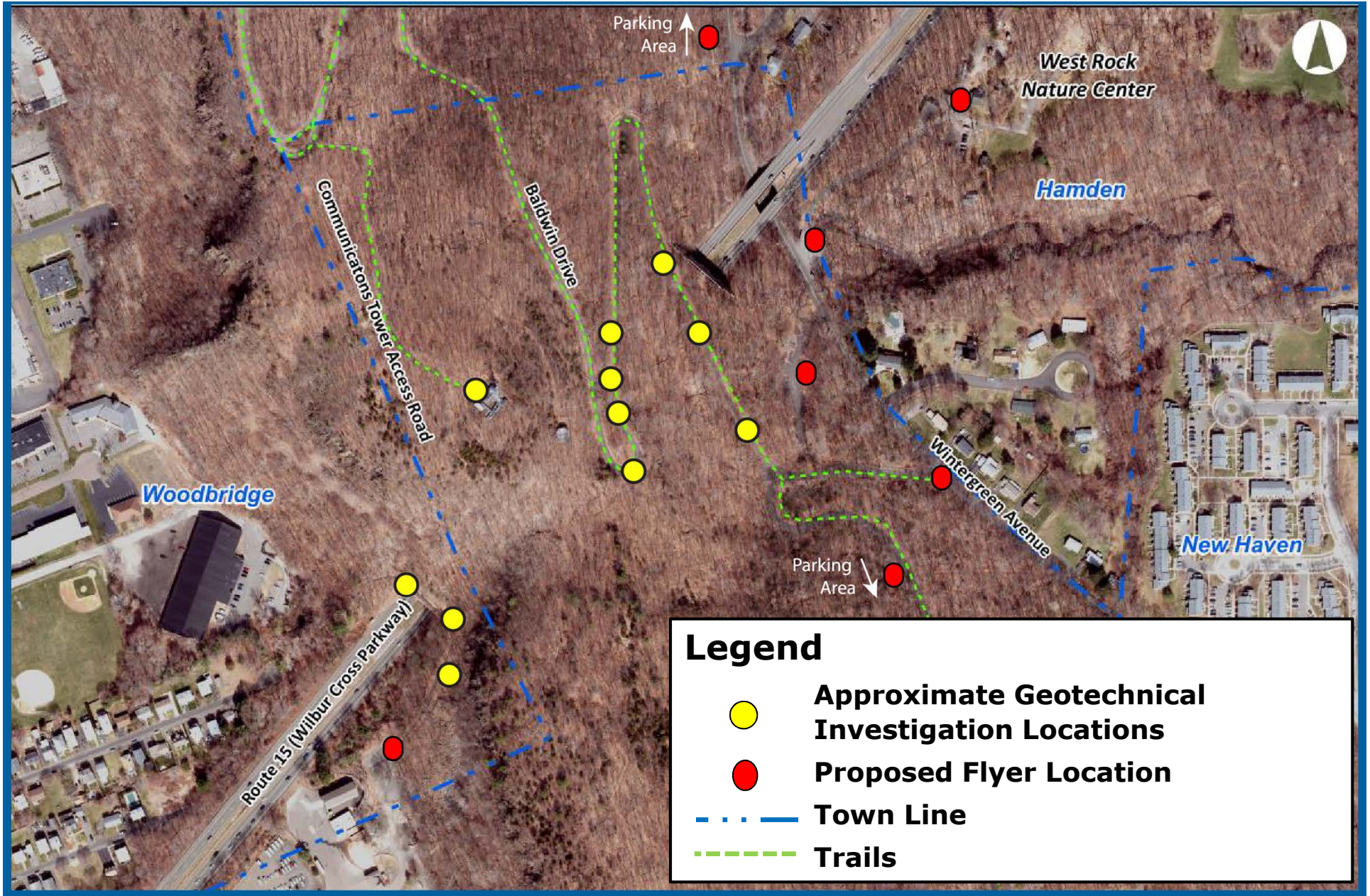


ACTIVE CONSTRUCTION WEST ROCK RIDGE STATE PARK

Exploratory drilling is being conducted within West Rock Ridge State Park beginning in late October 2018 for up to 8 weeks. The park remains open to all users, however users should use caution when approaching work zones.

FOR ADDITIONAL INFORMATION:
www.HeroesTunnelProject.com





Heroes Tunnel Project Public Involvement

- Identification and Engagement of Stakeholders
- Meetings
 - Outreach Events (Pop-Ups), Informational Meetings, Open Houses, Formal Public Meetings, Focus Groups
- Email Bulletins
- Project Website and Social Media
 - www.heroestunnelproject.com



Contact Information

Geotechnical Investigation

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Questions & Answers

