

2018 Construction Update



PRESENTED TO
Middlebury Selectboard

PRESENTED BY
VTrans, VHB, and Kubricky

March 27, 2018



Meeting with you today

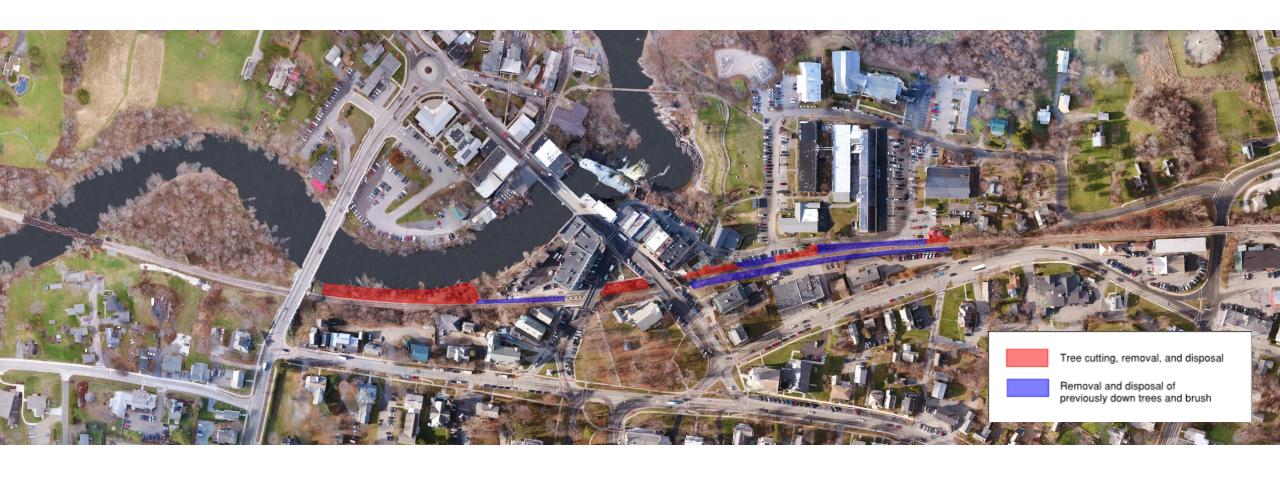
- Kristin Higgins, PE, Structures Program Manager, VTrans
- Aaron Guyette, PE, Design Project Manager, VHB
- Mark Alexander, Senior Project Manager, Kubricky Construction
- John Whittaker, Project Manager, Kubricky Construction



2018 Construction Activities

- Tree cutting
- Drainage infrastructure
- Temporary access roads
- Aerial utility relocations

2018 Tree Cutting



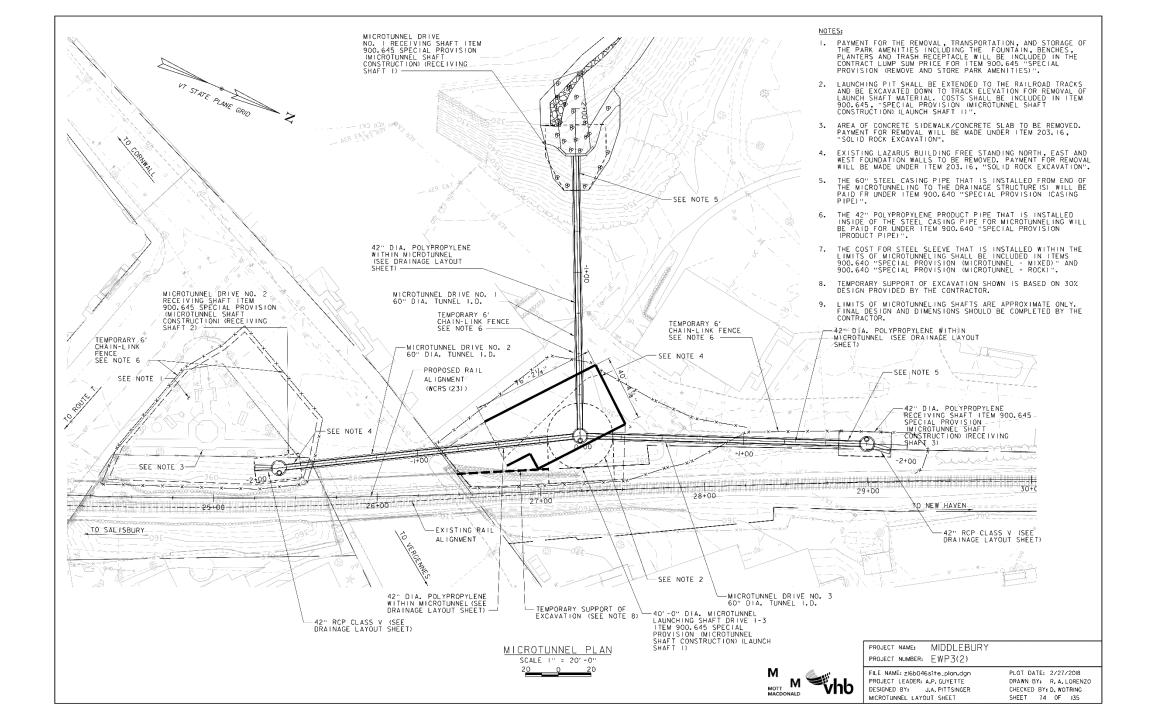
2018 Pre-Construction Activities

- Building inspection and vibration monitoring
- Temporary traffic control signing
- Temporary erosion prevention and sediment control



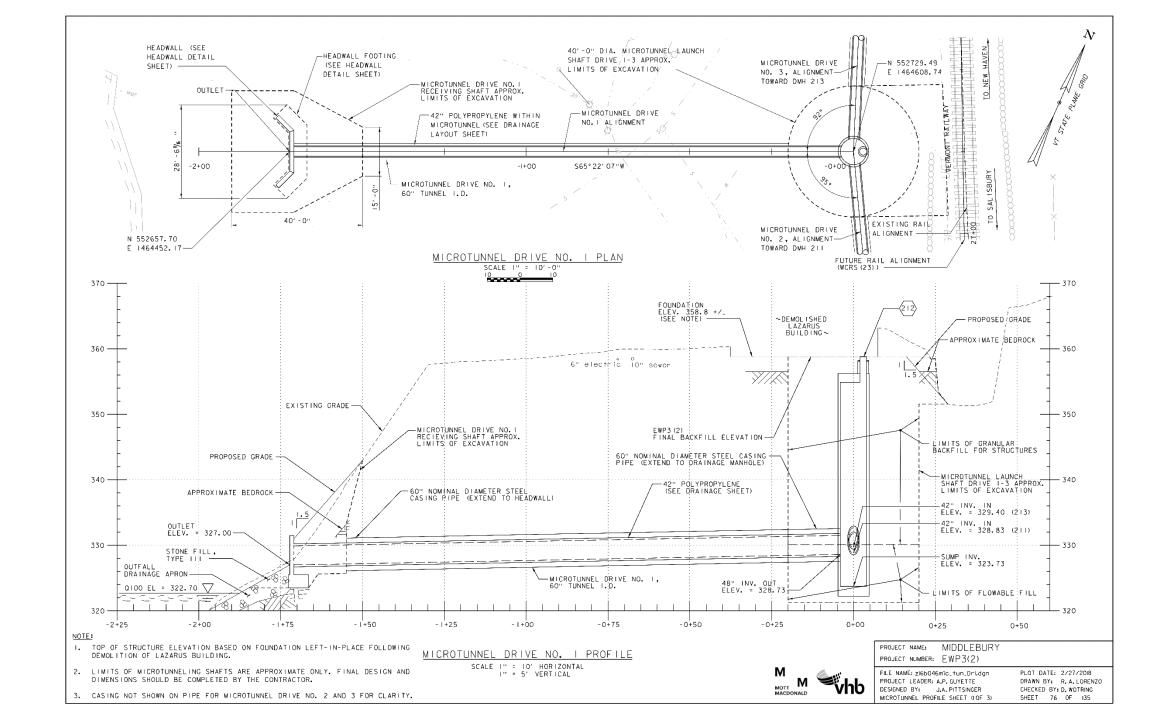
2018 Microtunneling Activities

- General Sequence
 - Launch Shaft complete microtunnel drives set manhole/backfill
 - Receiving Shaft 1 microtunnel drive 1 construct Headwall
 - Receiving Shaft 2 microtunnel drive 2 set manhole/backfill
 - Receiving Shaft 3 microtunnel drive 3 set manhole/backfill



Launch Shaft Construction

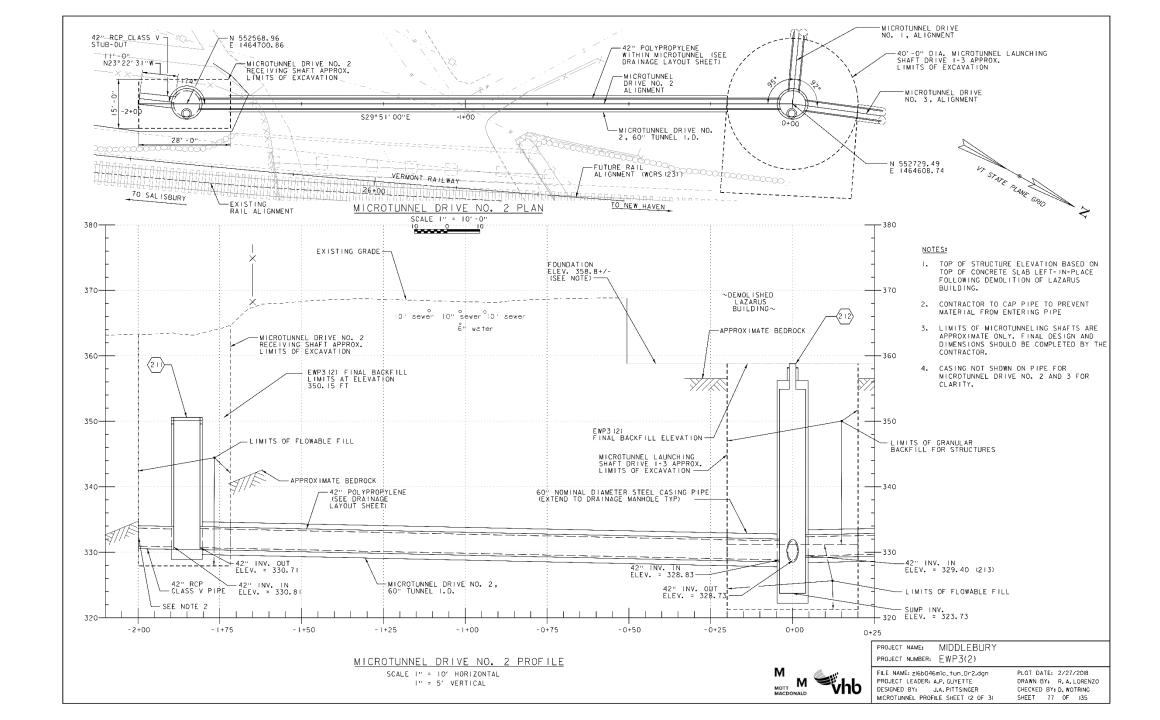
- Fencing in Printer's Alley: End of April 2018
- Earth Excavation: Late April 2018
- Drilling and blasting in Printer's Alley: May July 2018
- Microtunneling start: August 2018
- Set manhole structure and backfill: March and April 2019
- Construction activity in Printer's Alley: April 2018 April 2019





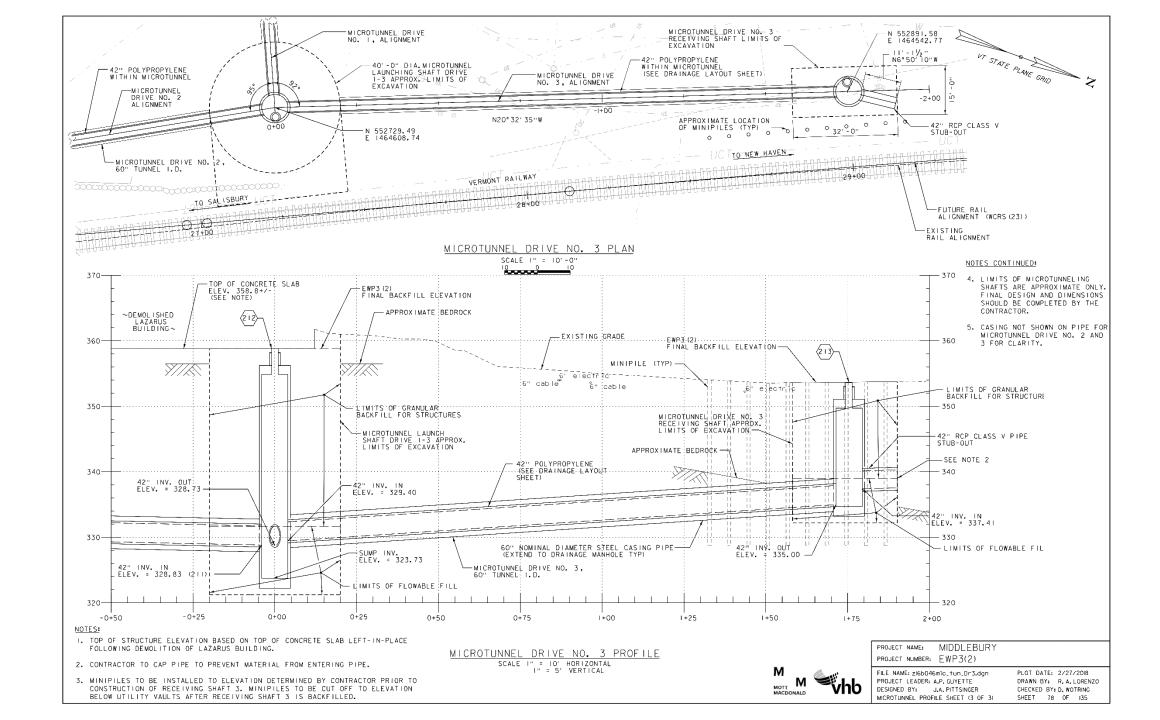
Receiving Shaft 1 Construction

- Installation of access road and tree clearing: April 2018
- Soil excavation: May 2018
- Drilling and blasting: June 2018
- Completion of microtunnel drive 1: August 2018
- Removal of temporary access road: Spring 2019



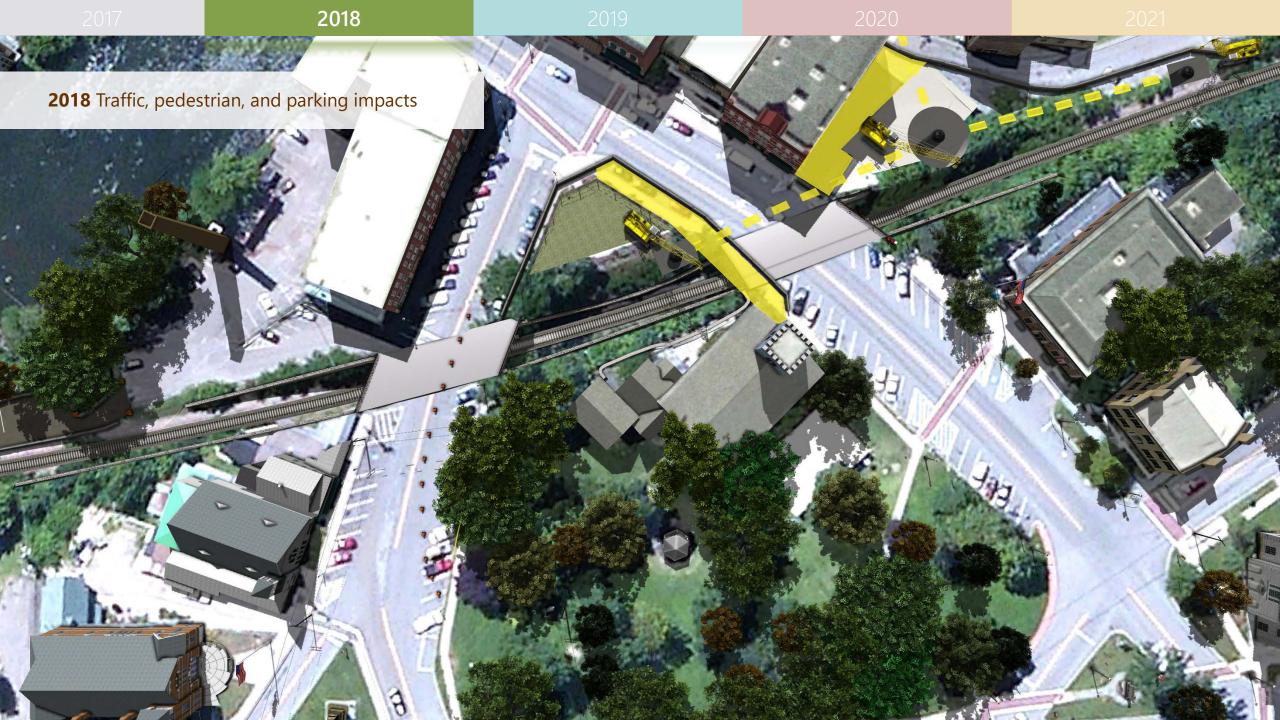
Receiving Shaft 2 Construction

- Removal of park amenities: end of April 2018
- Installation of fencing around Triangle Park: end of April 2018
- Support of excavation (minipiles): May 2018
- Soil excavation: May and July 2018
- Drilling and blasting: August 2018
- Completion of microtunnel drive 2: October 2018
- Set manhole structure and backfill: January 2019



Receiving Shaft 3 Construction

- Installation of fencing and barriers: May and June 2018
- Support of excavation (minipiles): May and June 2018
- Soil excavation: August 2018
- Drilling and blasting: September 2018
- Completion of microtunnel drive 3: November 2018
- Set manhole structure and backfill: February 2019



Water Street Temporary Access Road

- Construction: Summer of 2018
- Access to railroad corridor and lower Battell Block parking area



Aerial Utility Relocations

- Electric and telecommunications relocations
- Printer's Alley area
- Merchants Row crossing



Summary of 2018 Downtown Impacts

- Short term closures of Printer's Alley
- Utility duct bank installation across Merchants Row
- Intermittent truck traffic downtown
- Minor construction noise during daytime working hours
- Normal working hours: 7:00am 5:00pm
 - Isolated extended hours and weekends

2017 2018 2019 2020 2021



2018 Downtown Events

- Construction Activities will work around these events
 - Festival on the Green
 - Peasant's Market
 - Lion's Club Auction

2017 2018 2019 2020 2021



Questions?