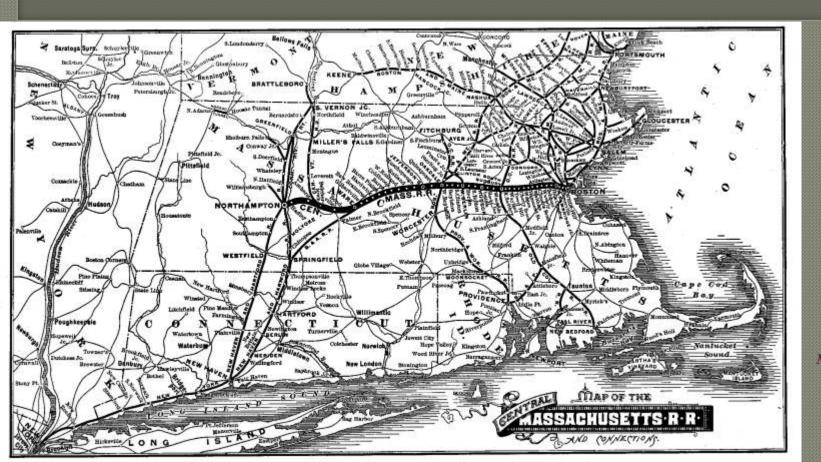
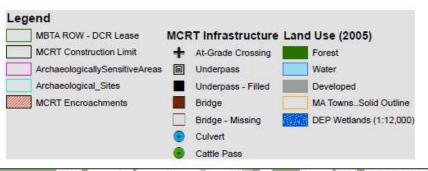
# MASS CENTRAL RAIL TRAIL Wayside Update and Status





#### Mass Central Rail Trail - Wayside Berlin Section





Data from MassGIS, DCR, EOT Val Maps,





## Berlin



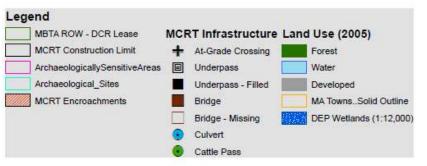
## 495 Underpasses



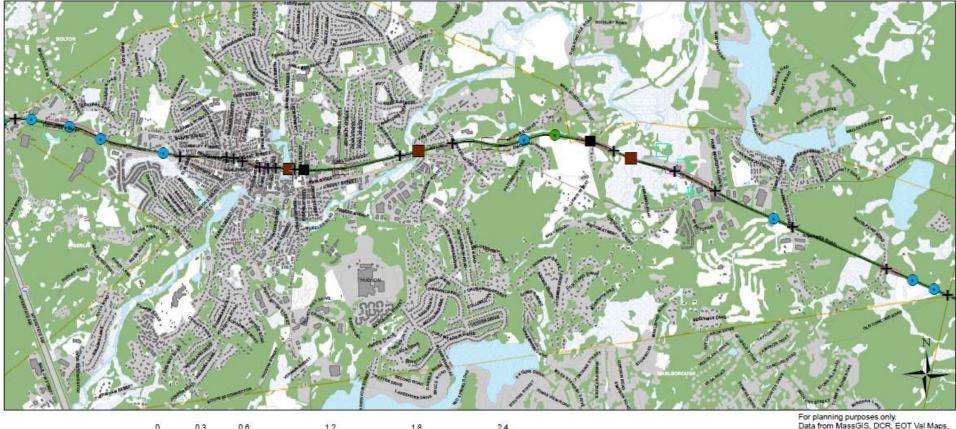




Mass Central Rail Trail - Wayside Hudson Section







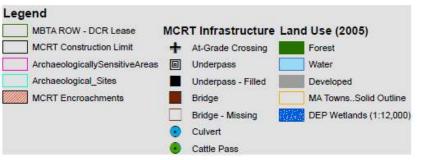


## Hudson



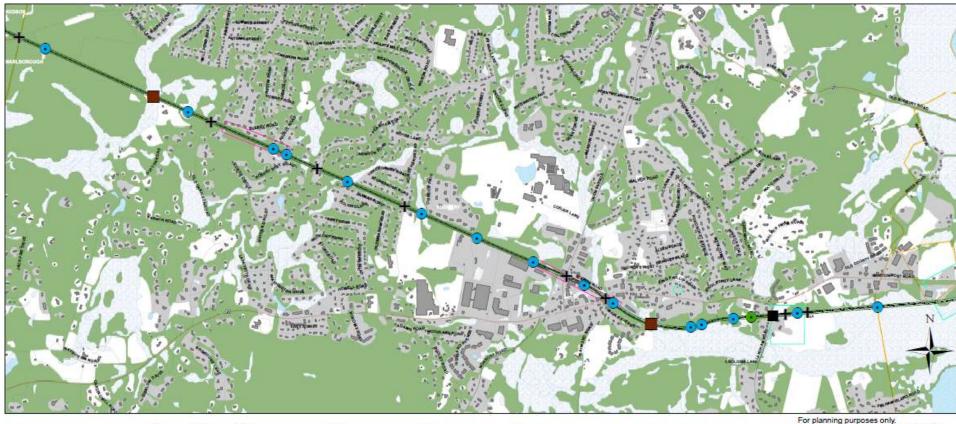


Mass Central Rail Trail - Wayside Sudbury Section



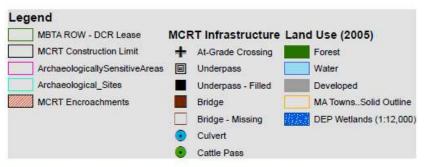


Data from MassGIS, DCR, EOT Val Maps,

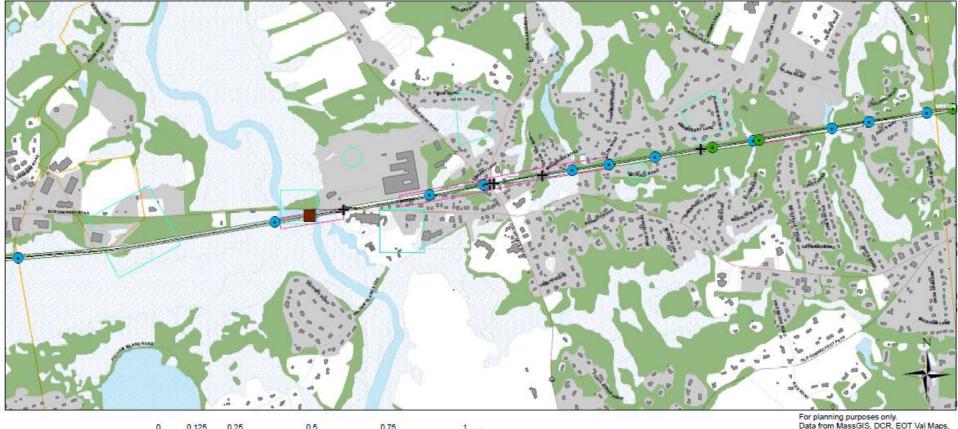




#### Mass Central Rail Trail - Wayside Wayland Section







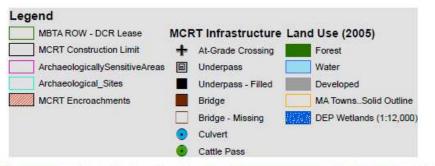


# Wayland





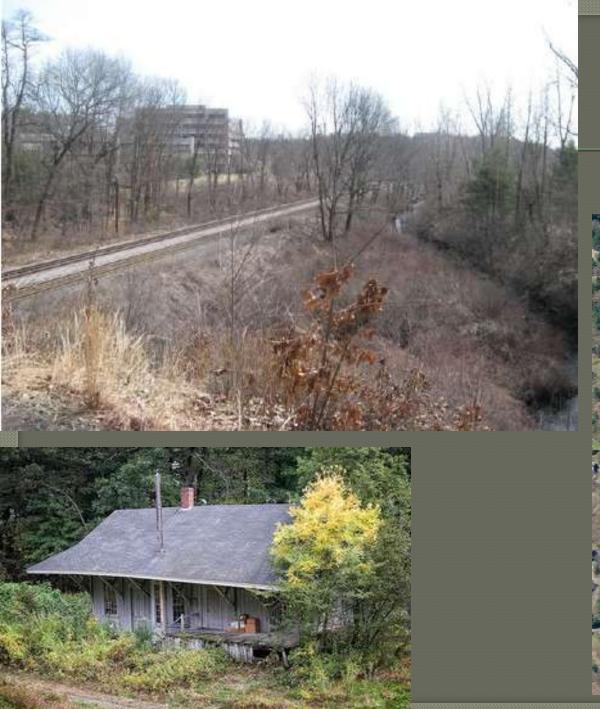
Mass Central Rail Trail - Wayside Weston Section





Data from MassGIS, DCR, EOT Val Maps,





# Weston

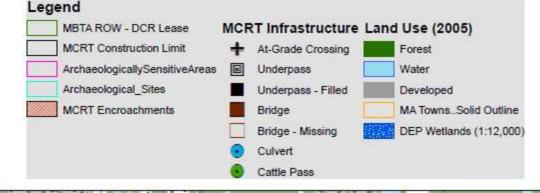


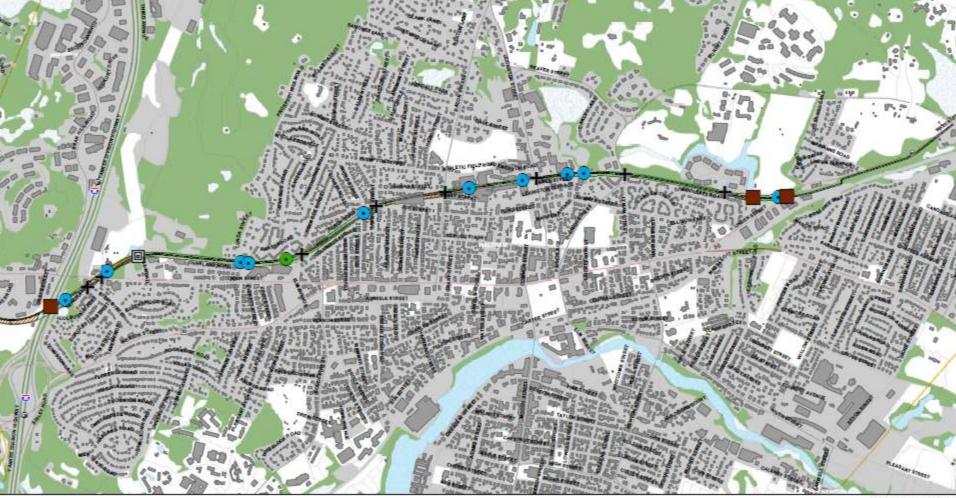
#### entral Rail Trail - Wayside Waltham Section

0.5

0.125

0.75





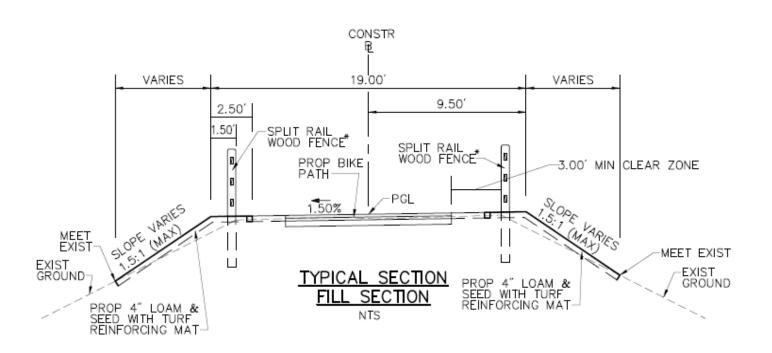


# Waltham





#### MCRT – Wayside– Typical "fill" section

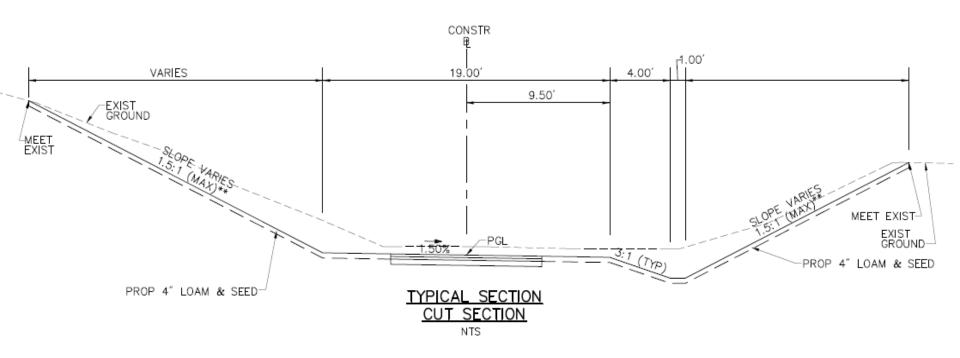


\*SPLIT RAIL FENCE TO BE USED ONLY AS NEEDED

CONSTRUCTION DETAILS
1 OF 16

MASS CENTRAL
RAIL TRAIL

#### MCRT – Wayside – Typical "cut" section

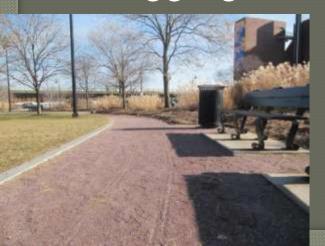


CONSTRUCTION DETAILS
2 OF 16

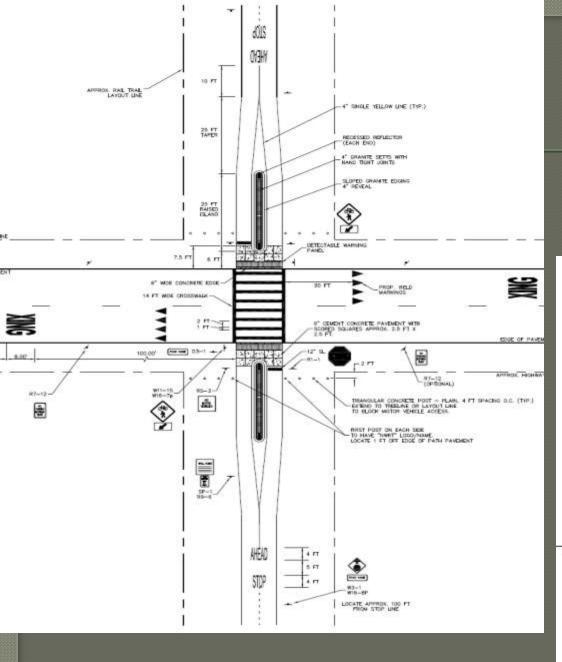
MASS CENTRAL
RAIL TRAIL

## Surface

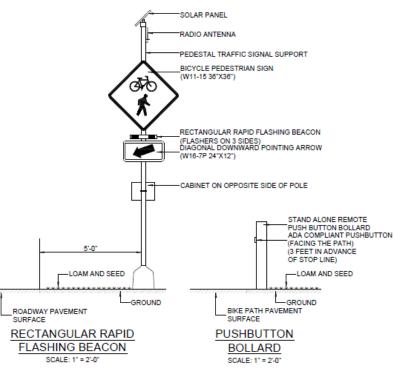
- DCR prefers a consistent surface treatment that serves the most users
- Surface must meet ADA and AAB accessibility standards
  - Possible surfaces include asphalt, concrete, stabilized soil aggregate, and crushed-stone aggregate that meets firm and stable assessment







#### MCRT – Wayside– Typical road crossing

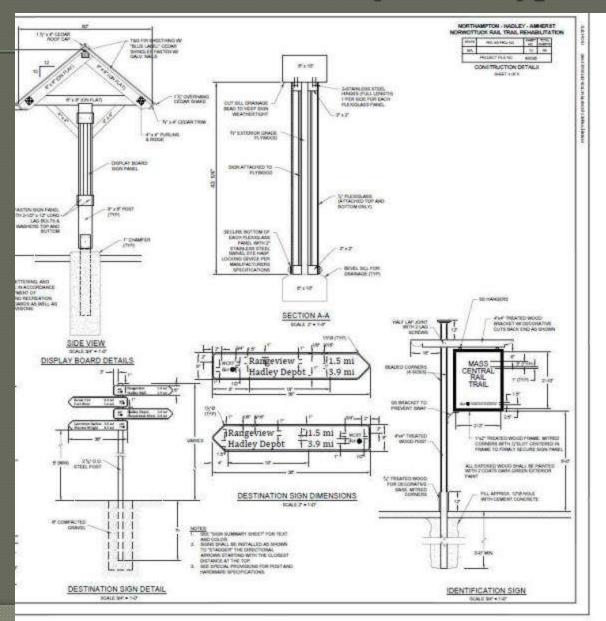


#### SOUTH MAPLE STREET CROSSING DETAIL

#### NOTE

- STAND-ALONE BOLLARD AND RECTANGULAR RAPID FLASH BEACON SHALL BE INSTALLED ON BOTH SIDES OF THE INTERSECTION AT SOUTH MAPLE STREET.
- THE ACTIVATION LENGTH OF THE FLASHING LIGHTS SHOULD BE PROGRAMMED AS 13 SECONDS BASED ON THE MUTCD PROCEDURE.
- PUSHBUTTON BOLLARDS SHALL BE INSTALLED AT 3 FEET IN ADVANCE OF STOP LINE AND WITHIN 10 INCHES OF THE EDGE OF PAVEMENT.
- 4. RRFBS SHALL BE INSTALLED AT 5 FEET TO THE EDGE OF ROADWAY AND 4 FEET TO THE EDGE OF RAIL TRAIL.

#### MCRT – Wayside – Typical signage



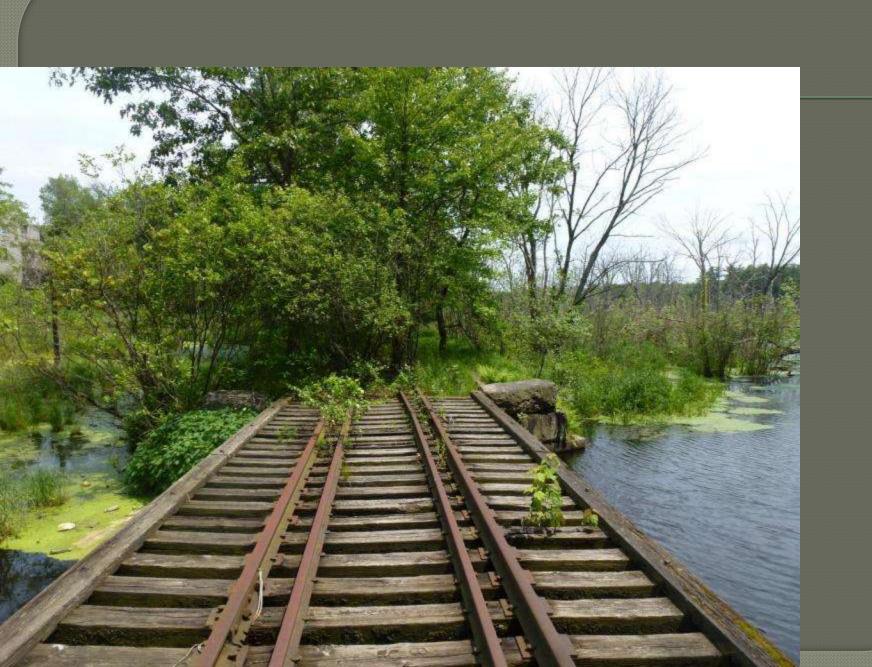
# DCR Environmental Assessments and Permitting

- DCR conducted a Phase One Environmental Site
   Assessment of the entire corridor in 2009
  - Including a soil sample program
- Developed a preliminary path alignment
- DCR submitted an Expanded Environmental Notification Form (EENF) to MEPA 2013
- DCR received a waiver from an EIR 2014
- DCR seeks to work in partnership with municipalities on Wetland and Historic permitting

## Infrastructure

#### Project Wide:

- 42 at-grade crossings
- Bridges
  - 10 Existing Bridges
  - 4 Missing Bridges
- Underpasses
  - 5 Existing
  - 4 Filled underpasses
  - As many as 69 culverts and cattle passes



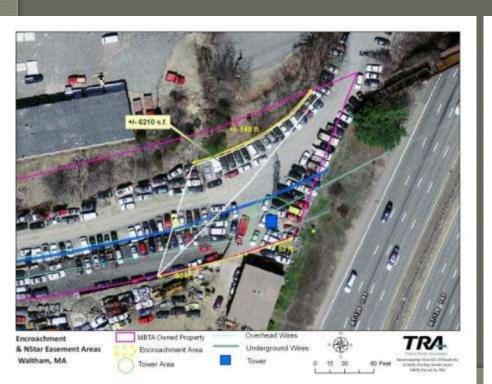


Facing N

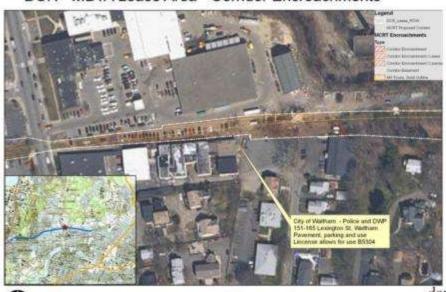


#### Licenses and Encroachments

DCR has identified licenses and potential encroachments in the corridor and is working to address them



MCRT
DCR - MBTA Lease Area - Corridor Encroachments





For planning purposes only. Data from MassGIS, DCR, EOT Val Maps.



## **Preliminary Cost Estimates**

Based of prices from similar MassDOT / DCR projects

Berlin: \$2,355,000

• Bolton: \$ 69,800

• Hudson: \$8,151,000

Stow:
\$ 83,000

Sudbury: \$5,678,000

• Wayland: \$4,306,000

• Weston: \$4,314,000

• Waltham: \$5,371,000

#### Conditions / Standards for Development

- Path development must follow DEP best practices for Rail Trail development
- Path surface must meet ADA / AAB standards for firm and stable
- Road crossings must meet AASHTO and MUTC guidelines for safe crossings
- Procurements must follow applicable state procurement laws for horizontal construction
- Appropriate community outreach and abutter communication
- Appropriate drainage planning
- Obtain applicable wetlands and MESA and historic permits

### **Next Steps**

- Stakeholder / Community meetings and communication
- Need to advocate and identify funds for design, permitting and construction
- Initiate wetland and historic permitting with municipalities
- Need to refine bridge and cost assessments