

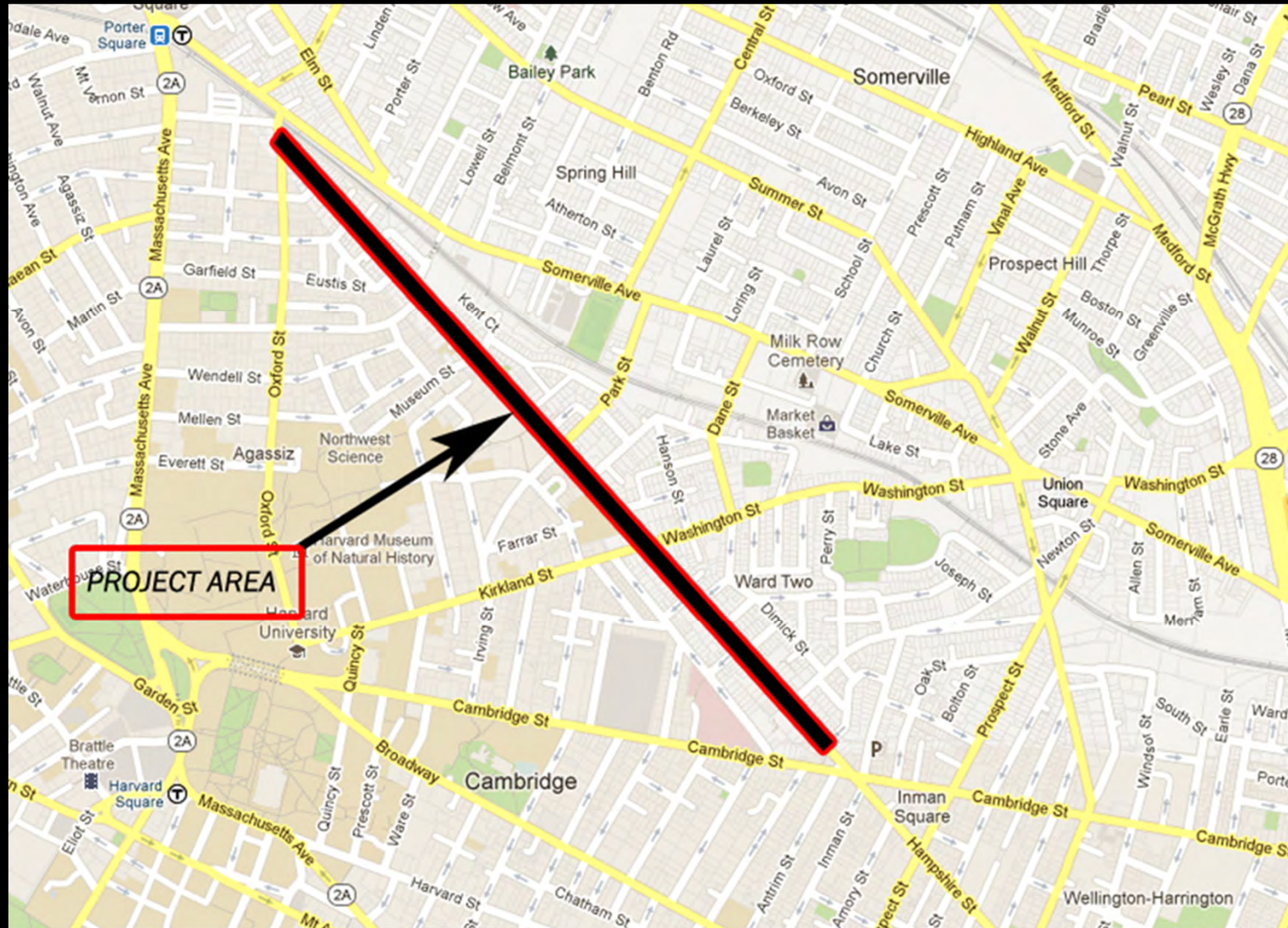
Beacon Street Reconstruction

January 28, 2013

City of Somerville
Mayor's Office of Strategic Planning + Community Development



Project Bounds



Beacon Street Reconstruction - January 2013



The Complete Streets Approach

- **“A Complete Street” ensures that the entire right of way is planned, designed and operated to provide safe access for all users, including pedestrians, bicyclists, motorists and transit riders of all ages and abilities.**



Design Updates and Clarifications

- **All sidewalks from Oxford Street to the Cambridge city line will be reconstructed**



Beacon Street Reconstruction - January 2013



Design Updates and Clarifications

- **There will be a new sidewalk on the south side of the roadway between Museum Street and Park Street (along wall)**



Beacon Street Reconstruction - January 2013



Design Updates and Clarifications

- All roadway surfaces will be improved to provide a smooth and even roadway surface



Beacon Street Reconstruction - January 2013



Streetscape Amenities



TRASH RECEPTACLE



BENCH



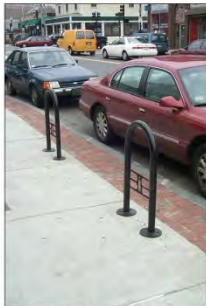
TRAFFIC MAST ARM



"TO REQUEST GREEN
WAIT ON" SIGN



TREE GRATE



BIKE RACK



SIDEWALK W/ CONCRETE PAVER



DRIVEWAY W/ D-STONE
& CONCRETE PAVER



PEDESTRIAN
SIGNAL W/
COUNTDOWN PEDS



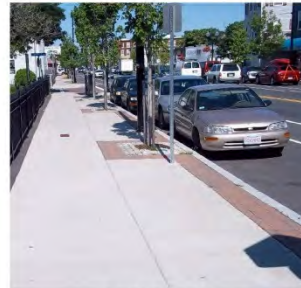
CYCLE TRACK



BUS SHELTER



CONCRETE PAVER CROSS WALK
W/ FLUSH GRANITE CURB



TREE PIT W/
CONCRETE PAVER



FLUTED MAST ARM,
SIGNAL POLE W/
PEDESTRIAN PUSH BUTTON



BIKE LANE

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**BEACON STREET, SOMERVILLE
STREETScape/SAFETY IMPROVEMENTS
SOMERVILLE, MASSACHUSETTS**

PREPARED FOR:

**CITY OF SOMERVILLE
MASSACHUSETTS**

PREPARED BY:

Design Consultants, Inc.
Consulting Engineers and Surveyors

130 MIDDLESEX AVENUE
SOMERVILLE, MA 02145
(617) 776-3356

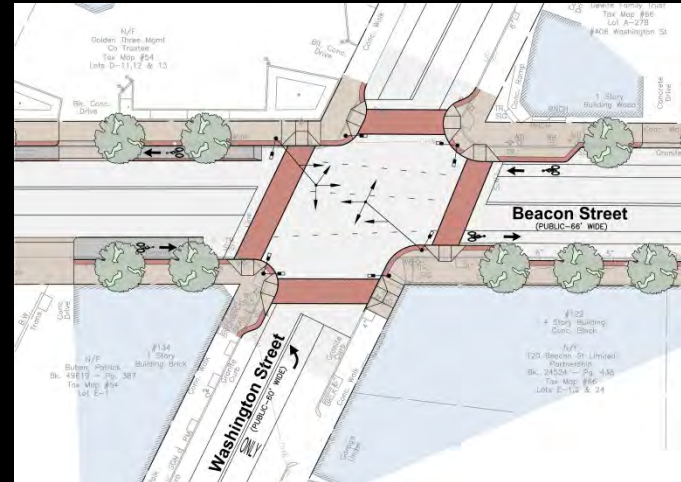
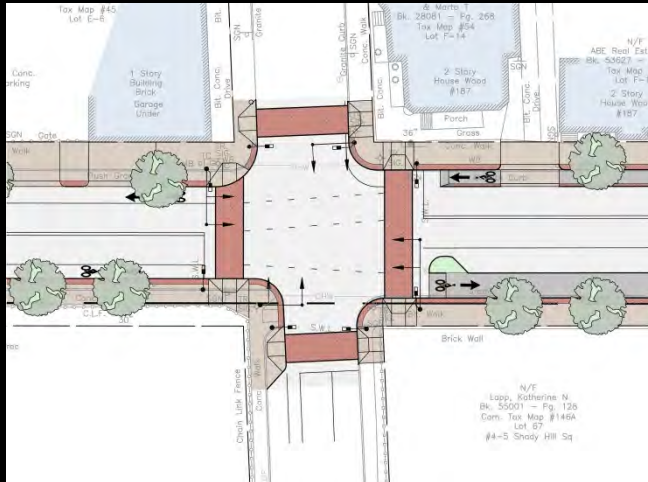
50 PLEASANT STREET
NEWBURYPORT, MA 01950
978-356-7173

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Design Updates and Clarifications

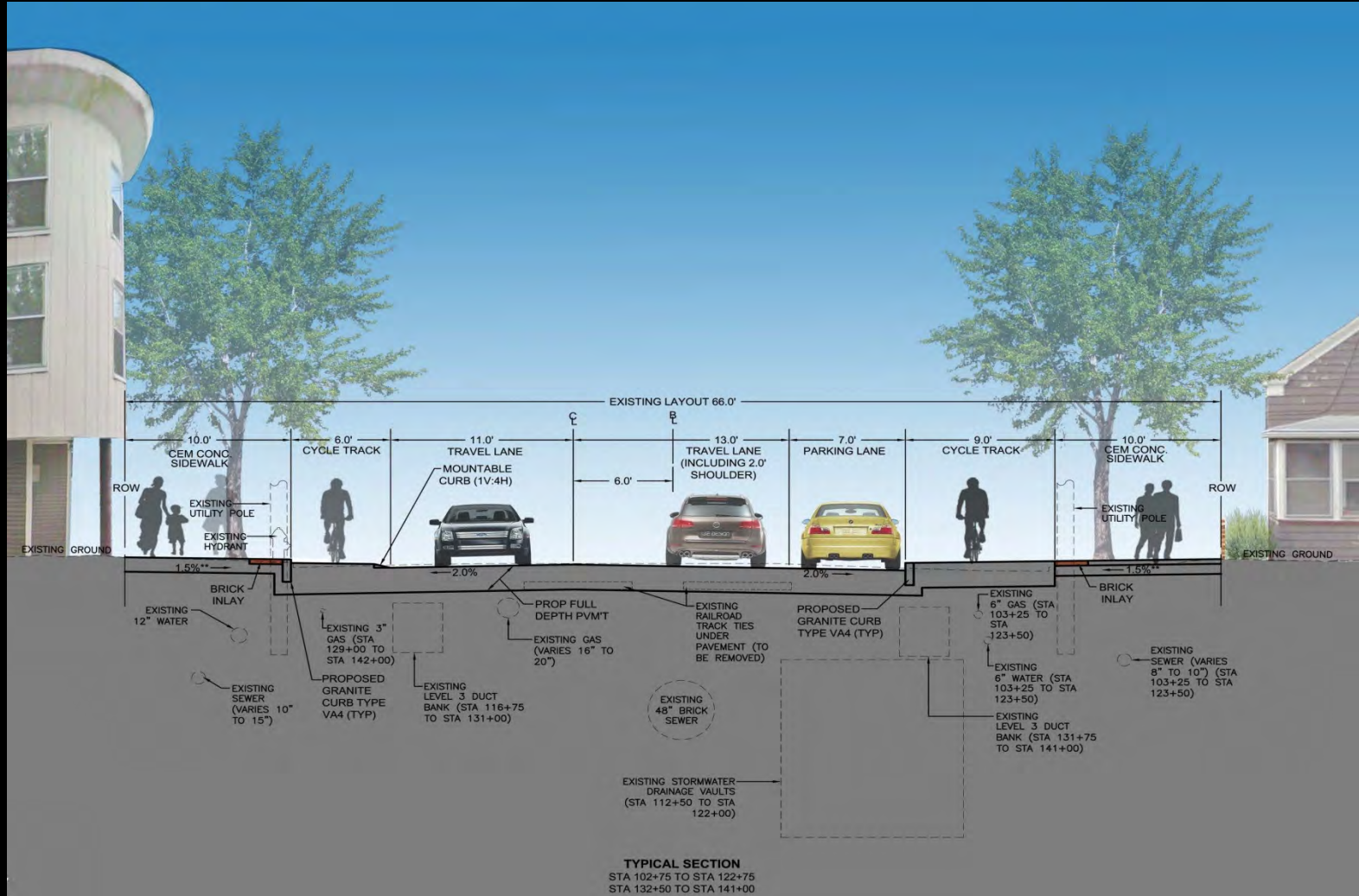
- Intersection Improvements
 - New crosswalks
 - New traffic signals
 - Fully actuated and coordinated along corridor
 - Countdown pedestrian heads
 - ADA Compliant
 - Bicycle actuation
 - Left turn lane from Washington onto Beacon Street
 - Ornamental mast arms and posts



Beacon Street Reconstruction - January 2013



Proposed Conditions



Beacon Street Reconstruction - January 2013



Proposed Conditions



Beacon Street Reconstruction - January 2013



Proposed Conditions



Beacon Street Reconstruction - January 2013



Proposed Conditions



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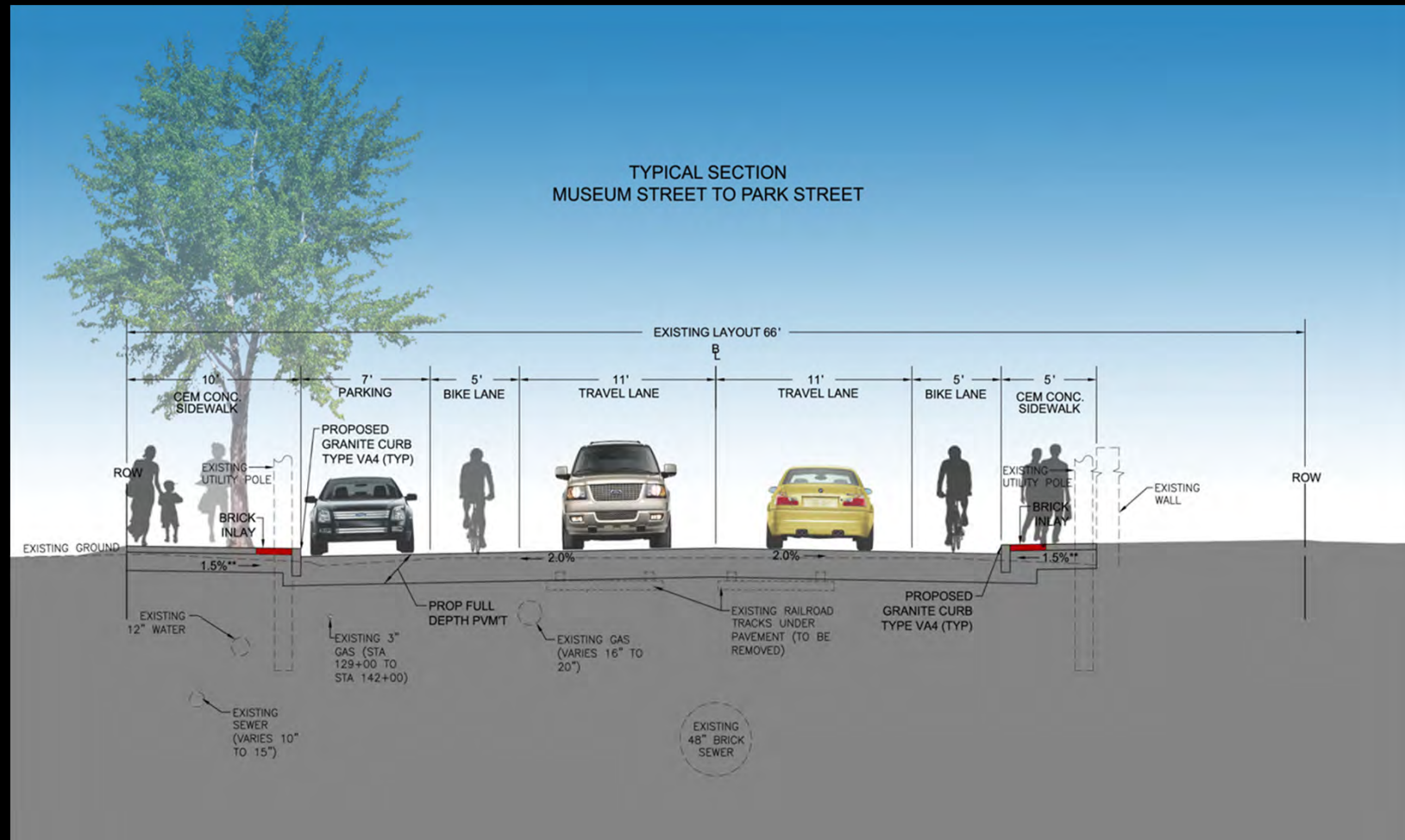
Proposed Conditions



Beacon Street Reconstruction - January 2013



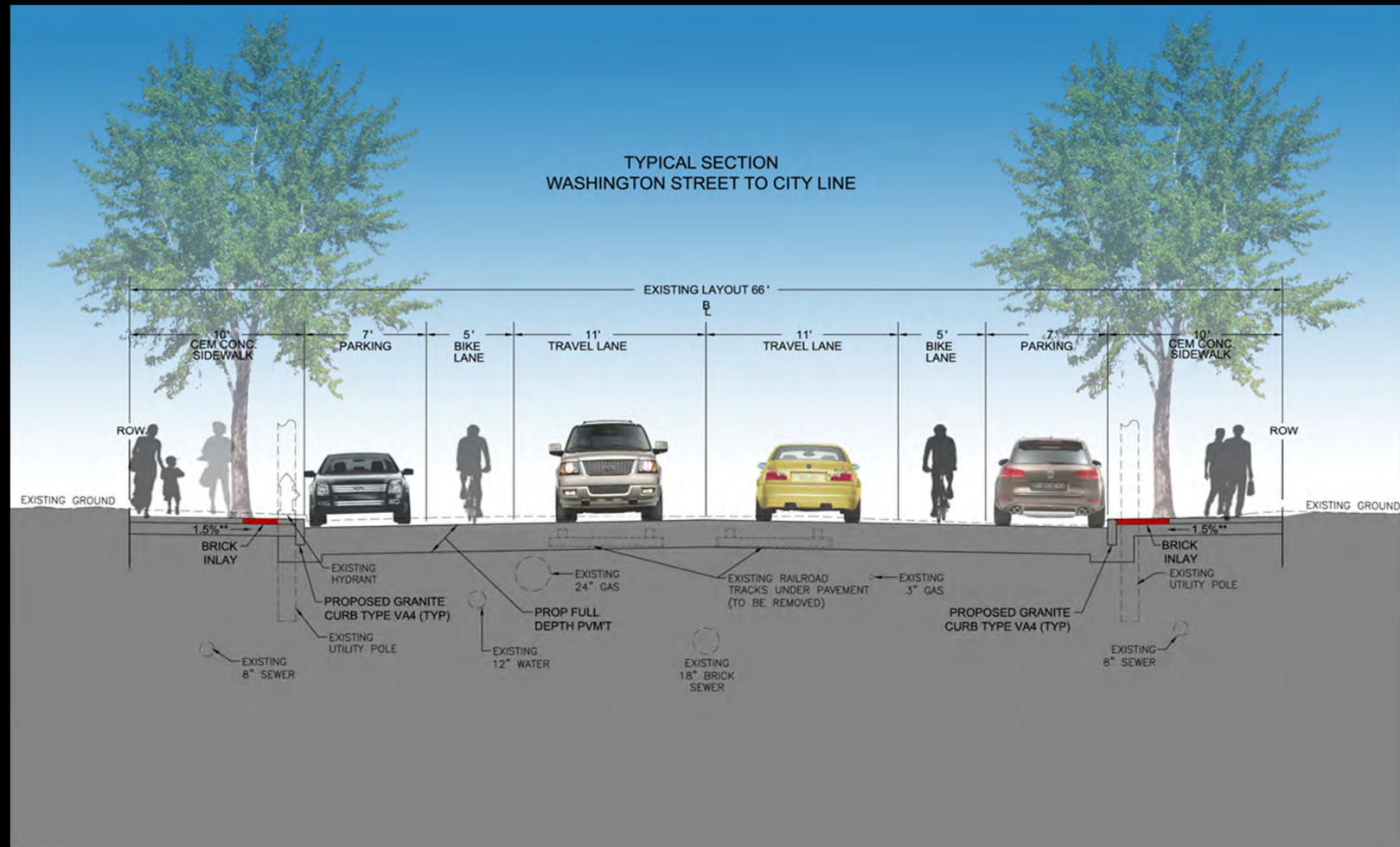
Proposed Conditions



Beacon Street Reconstruction - January 2013



Proposed Conditions



Beacon Street Reconstruction - January 2013



Design Updates and Clarifications

- **At last community meeting, cross section was the same width with parking on the north side of the street.**
 - **The cycle track has been updated to 9' wide against parking (for a door zone) and 6' wide on the non-parking side.**
 - **This change resulted in a more pronounced lane shift at Museum Street, causing the travel lanes to be aligned with curbing on the far side of the intersection, possibly creating an unsafe condition.**
- **The best way to resolve this was to flip the section so that parking was on the south side of the street. This allowed a much safer travel lane alignment and had other positive impacts:**
 - **The Mayor and Alderman Heuston heard the concerns regarding lost parking on the south side of the street (where more businesses are)**
 - **Moving parking to the south side will result in approx. 5-10 more parking spaces than the last version**



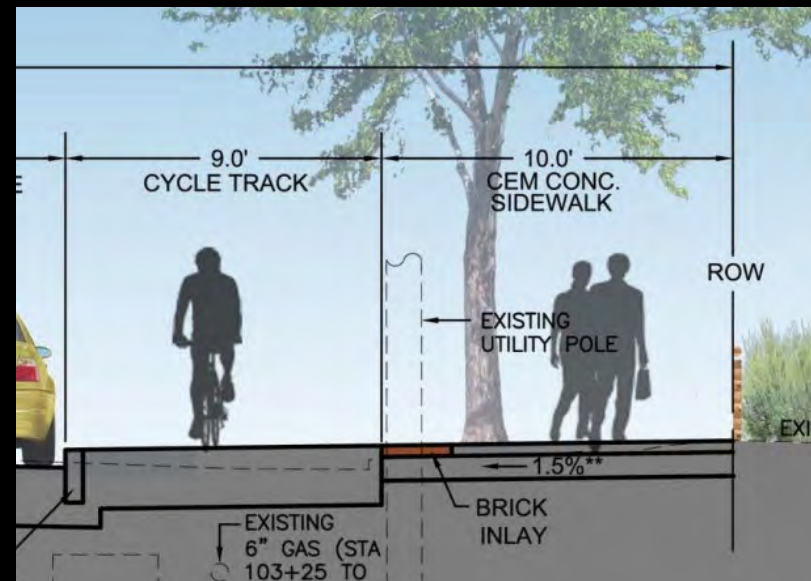
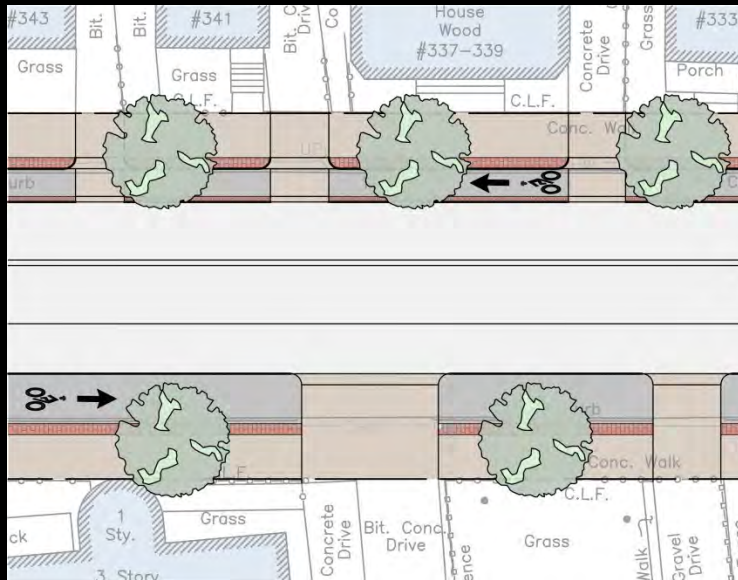
Corrections from Prior Meetings

- I have read that Cycle tracks are dangerous at intersections.
- The cycle track transitions to grade at the intersection, so that cyclists cross the intersection in much the same way as they do now



Corrections from Prior Meetings

- Does the proposed cycle track undulate at driveways.
- No, the proposed cycle track would not undulate at driveways. There is no change in grade of the cycle track at driveways (much like the sidewalk at driveways)



Moderator – Anne Tate