



Grove Street

City of Salem, Massachusetts

MassWorks
Infrastructure
Grant Program

City of Salem, Massachusetts
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April 8, 2014



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Local Context – Grove St



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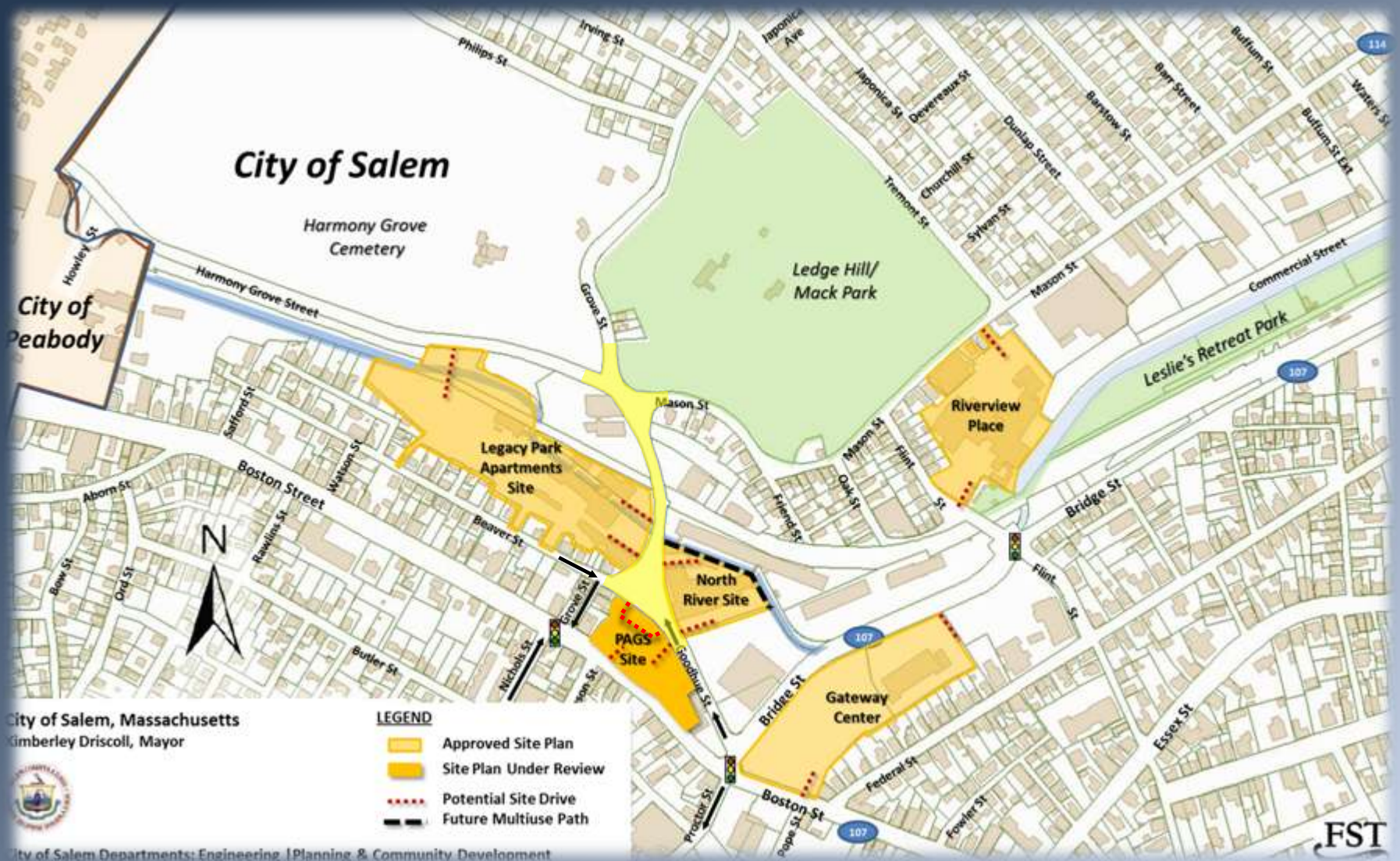
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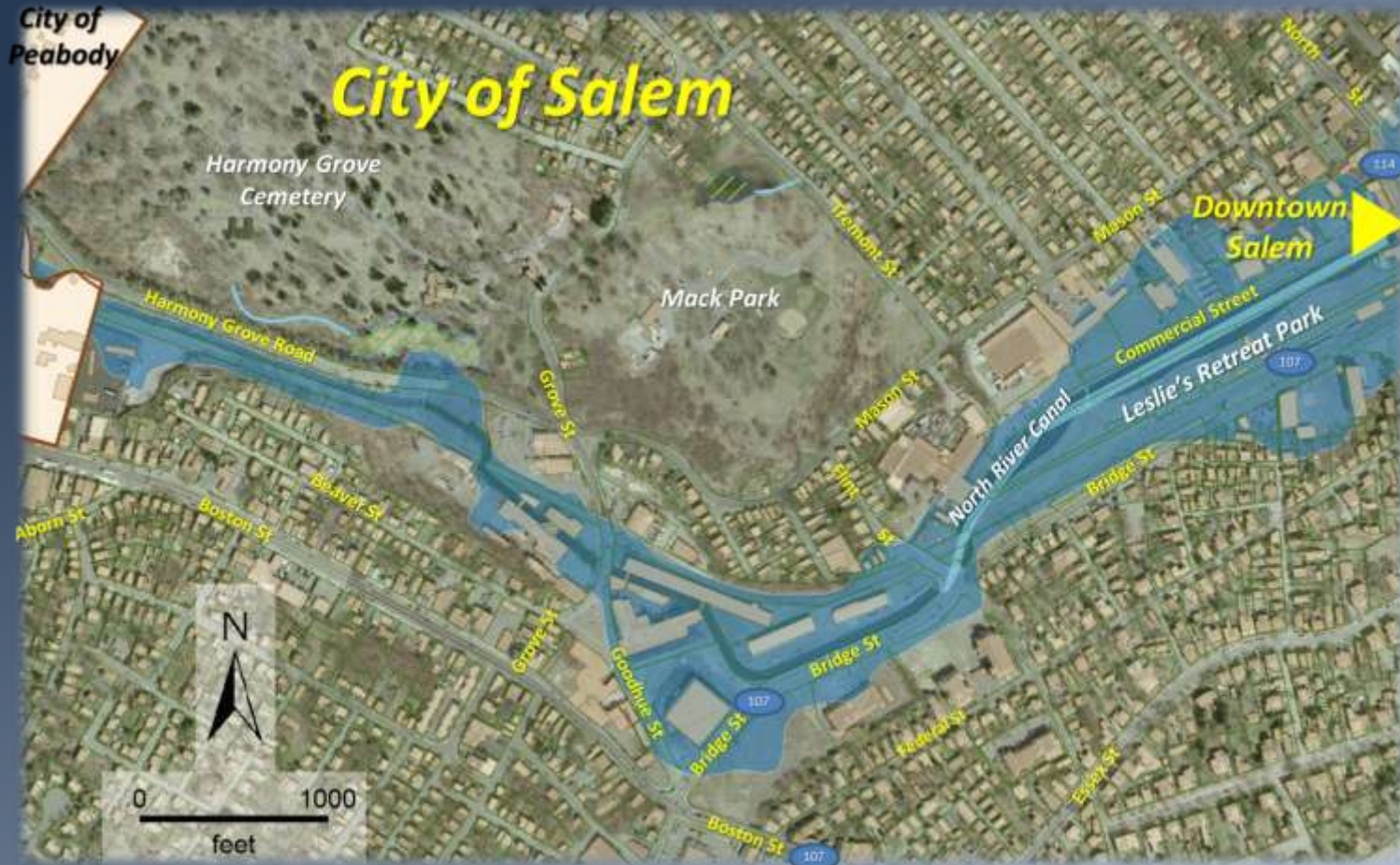
Grove St Area - New Developments



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Grove St - 100 Yr Flood Plain Areas



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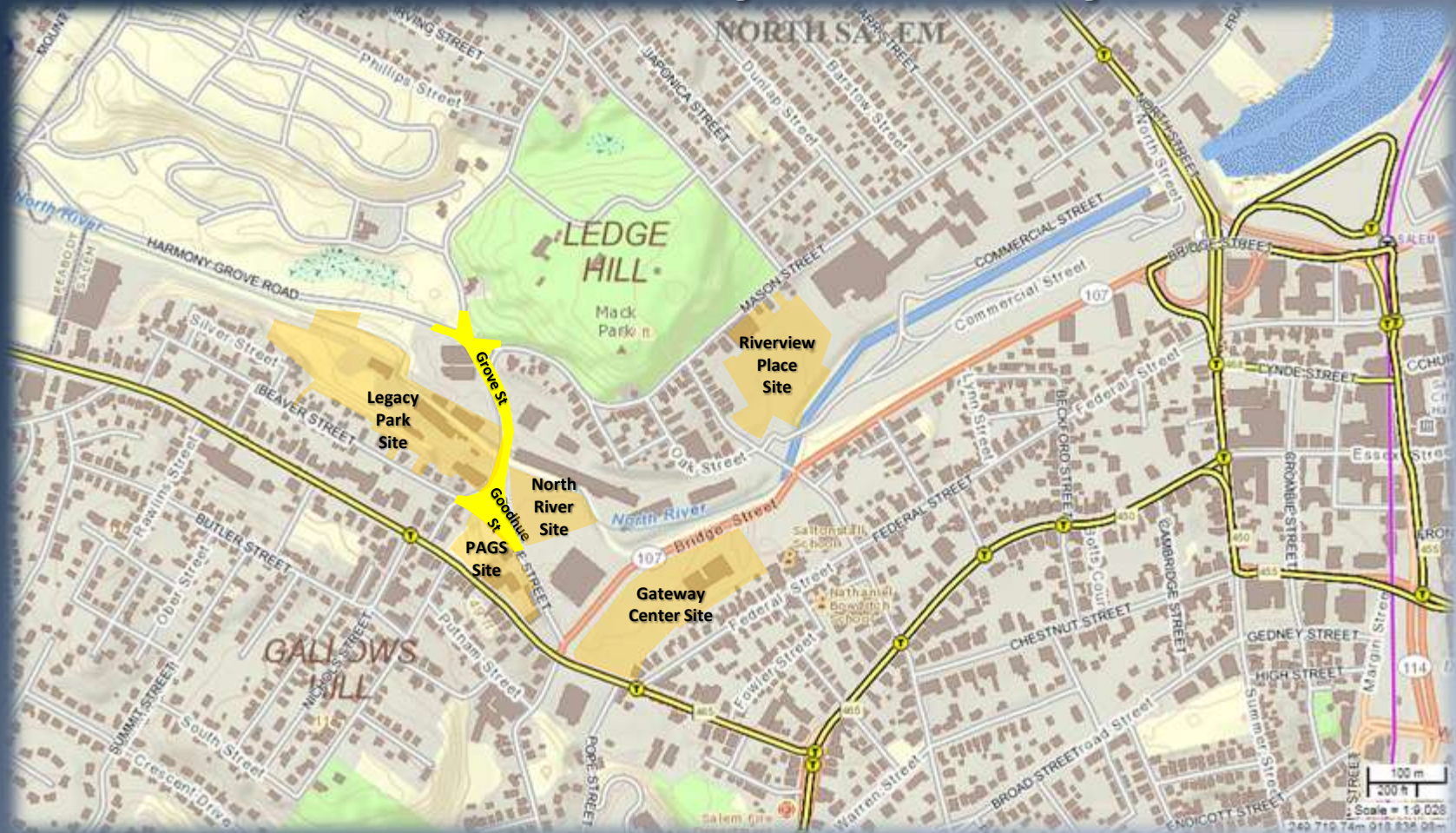
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Grove St – Nearby Transit System



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LEGEND



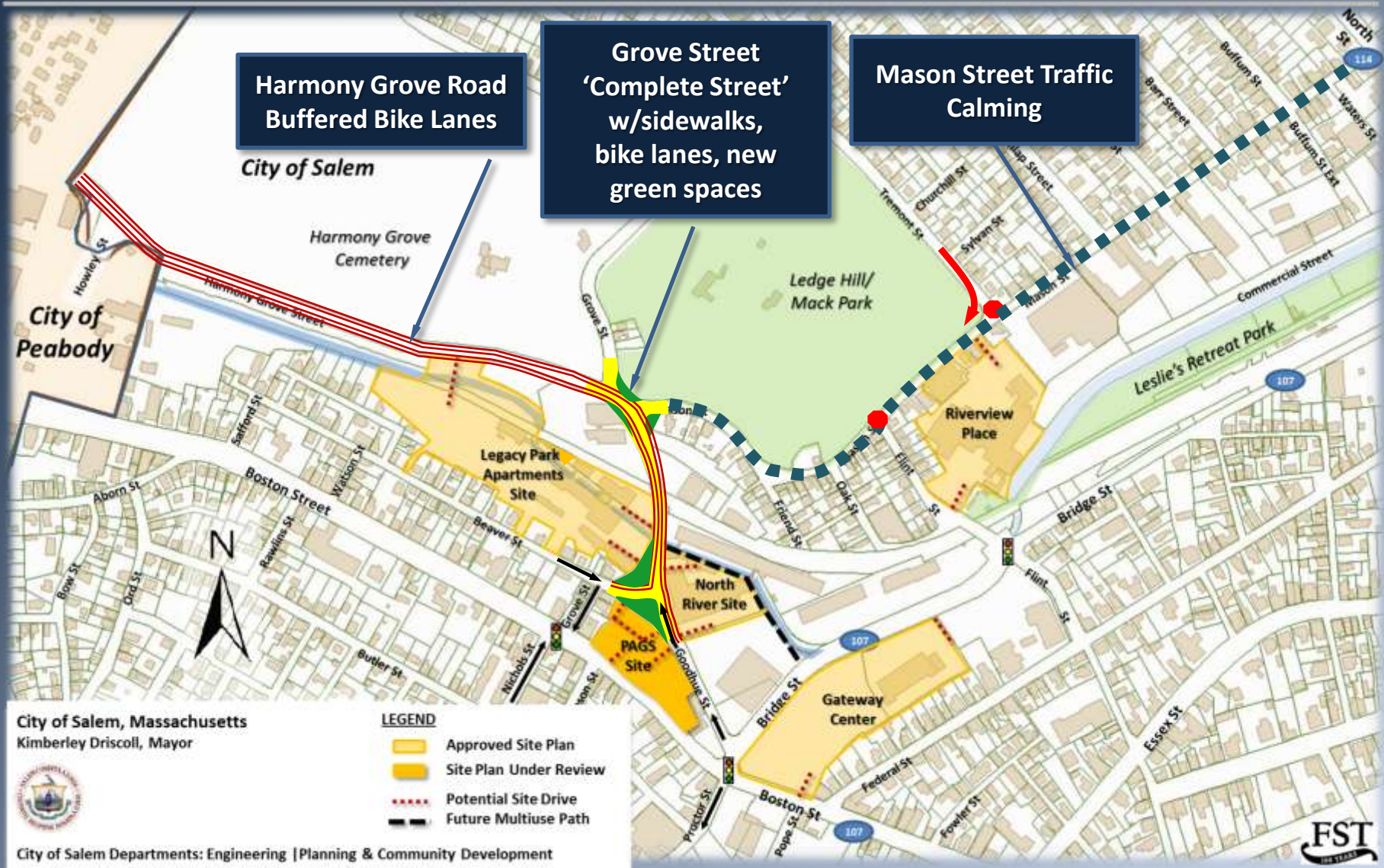
Redevelopment
Site

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Grove/Mason Street Enhancements



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Mason Street Traffic Calming

Coming Spring 2014



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Mason Street Traffic Calming – Spring 2014

- New MAAB/ADA concrete sidewalks
- New wheelchair ramps
- Flint/Mason Streets all-way stop reconfigured
- Tremont/Mason Streets all-way stop w/crosswalks
- New pavement/markings/crosswalks with motorist & pedestrian visual cues

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Advancing Grove Street MassWorks Enhancements To a Preferred Alternative

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Grove/Harmony Grove/Mason Street Roundabout Strategy - Problematic



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Grove/Harmony Grove/Mason Street Roundabout Strategy - Problematic

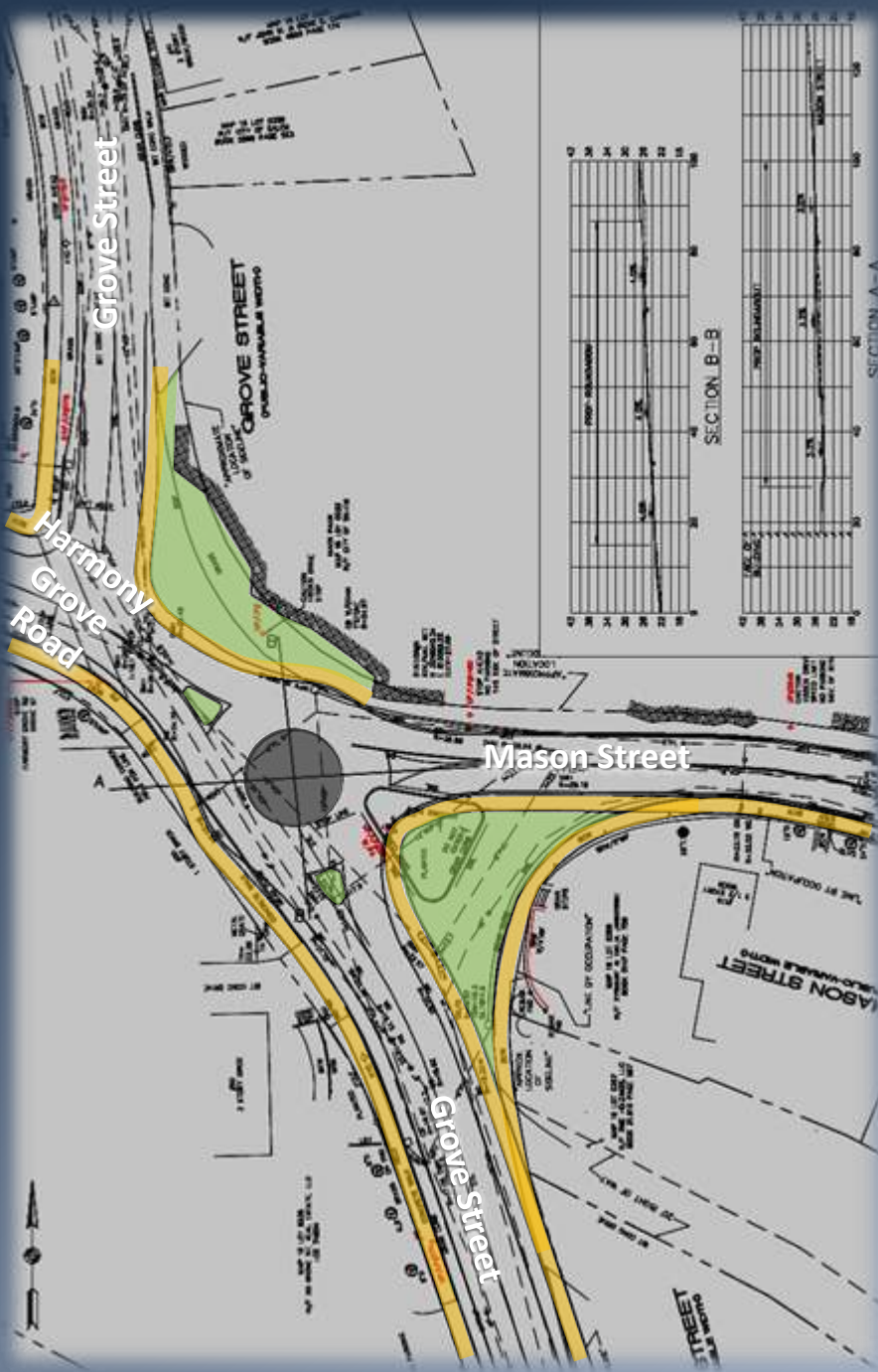
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Grove/Harmony Grove/Mason Street Preferred Strategy –Aerial Concept



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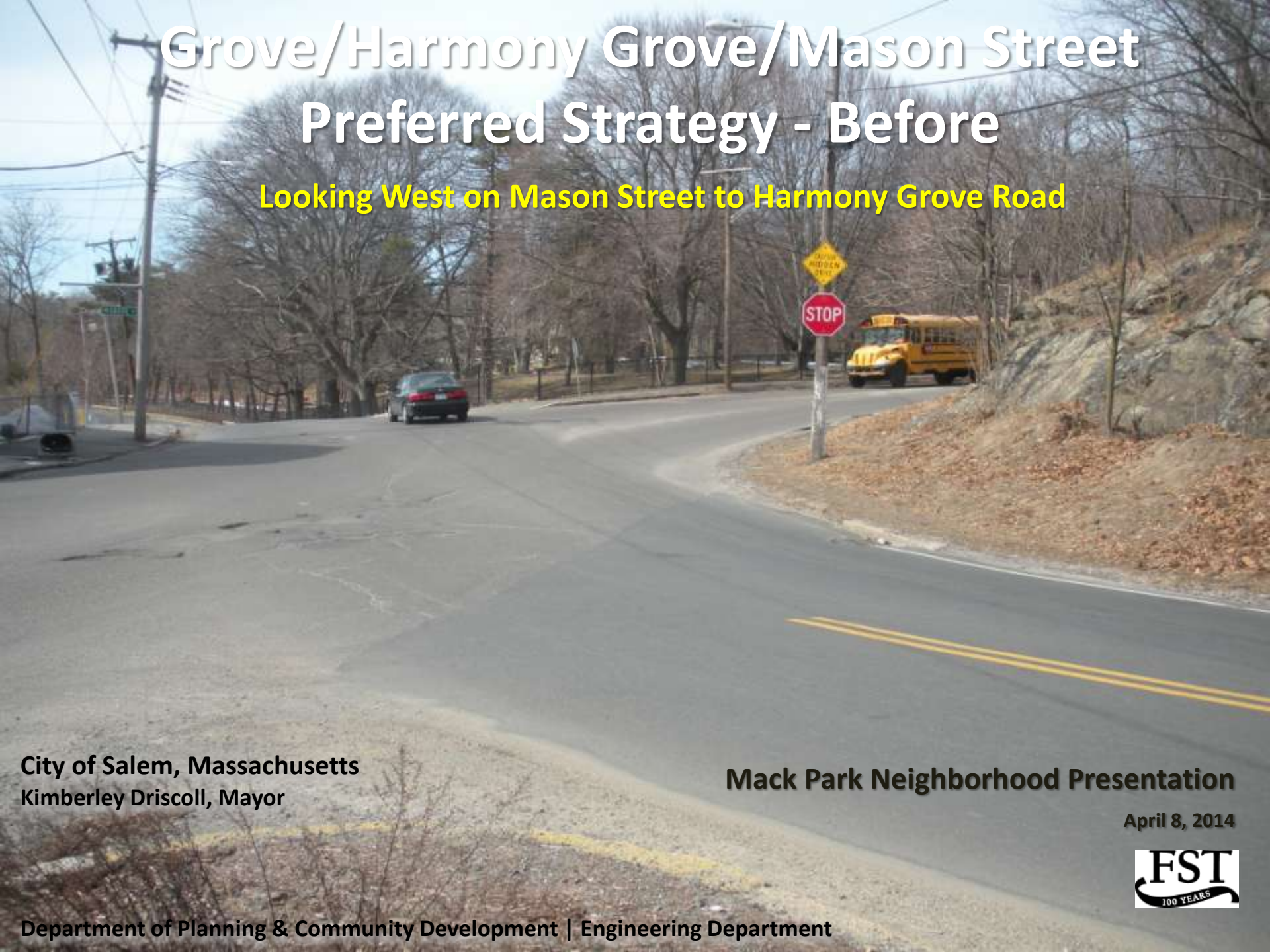
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Grove/Harmony Grove/Mason Street Preferred Strategy - Before

Looking West on Mason Street to Harmony Grove Road



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Grove/Harmony Grove/Mason Street Preferred Strategy - After

Looking West on Mason Street to Harmony Grove Road



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Grove/Harmony Grove/Mason Street Preferred Strategy - Before

Looking East on Harmony Grove Road to Mason Street



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Grove/Harmony Grove/Mason Street Preferred Strategy - After

Looking East on Harmony Grove Road to Mason Street

New larger
Harkin Square

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Grove/Harmony Grove/Mason Street Preferred Strategy - Before

Looking North on Grove Street to Mason Street



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Grove/Harmony Grove/Mason Street Preferred Strategy

Looking North on Grove Street to Mason Street

New larger
Harkin Square

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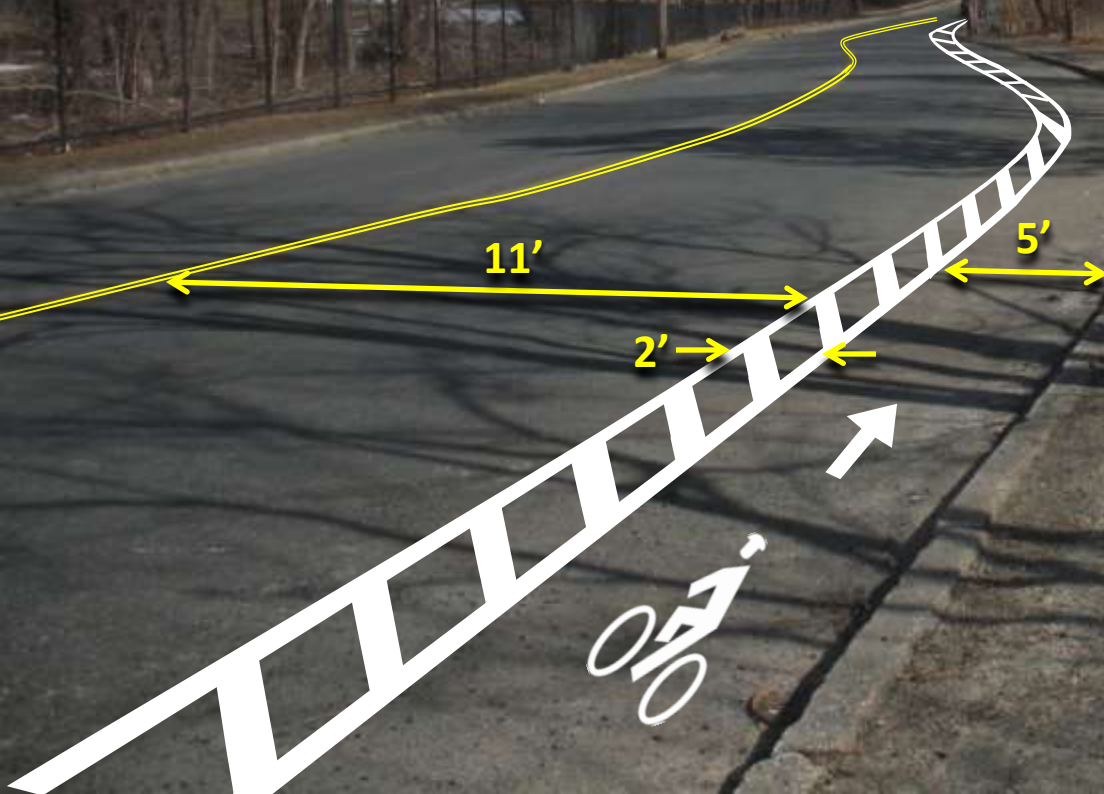
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Harmony Grove Road Preferred Strategy

Looking East on Harmony Grove Road



Grove/Harmony Grove/Mason Street Preferred Strategy – Design Progress Print

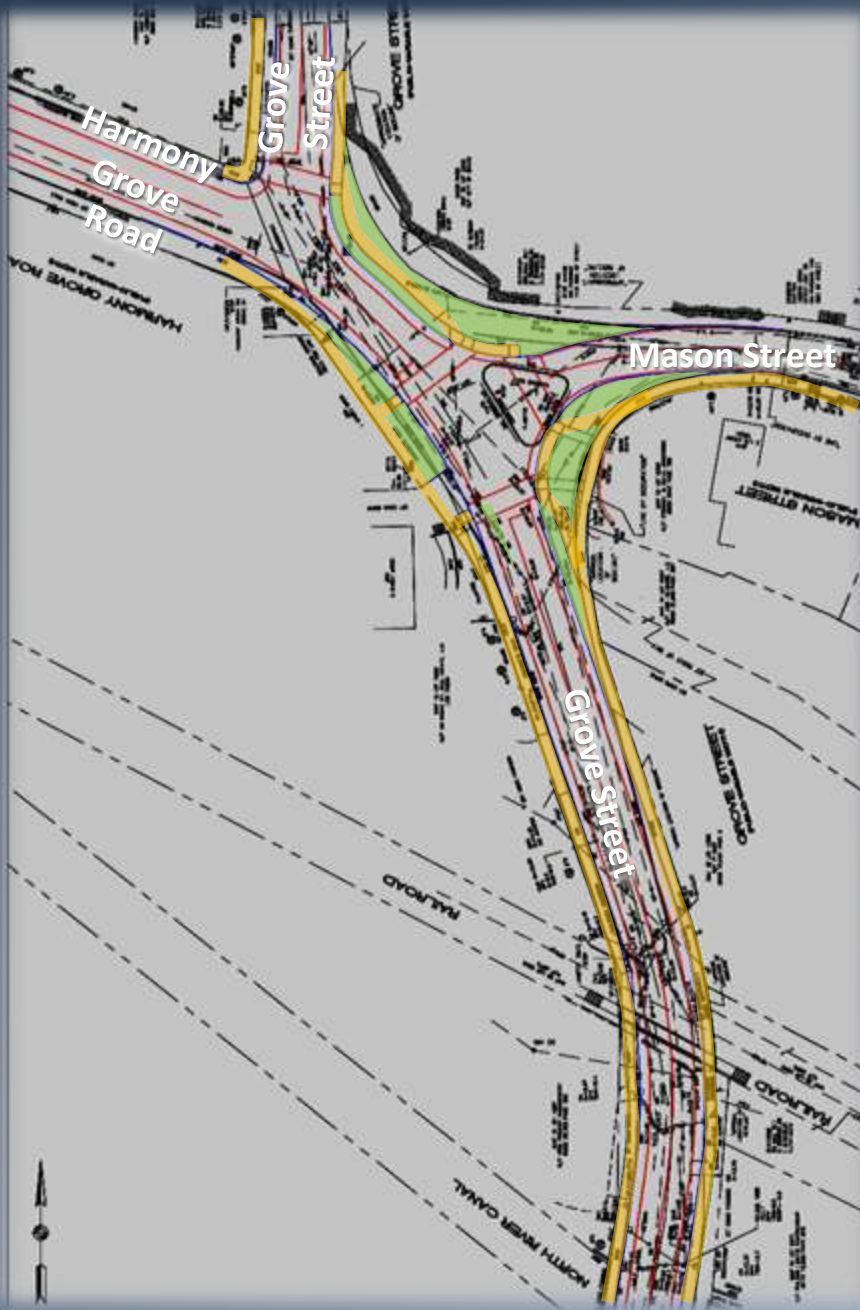
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Grove/Goodhue/Beaver Streets Roundabout Strategy – Also Problematic



Results in
unacceptably steep
cross slopes at 11%;
significant adverse
driveway impacts to
North River Site

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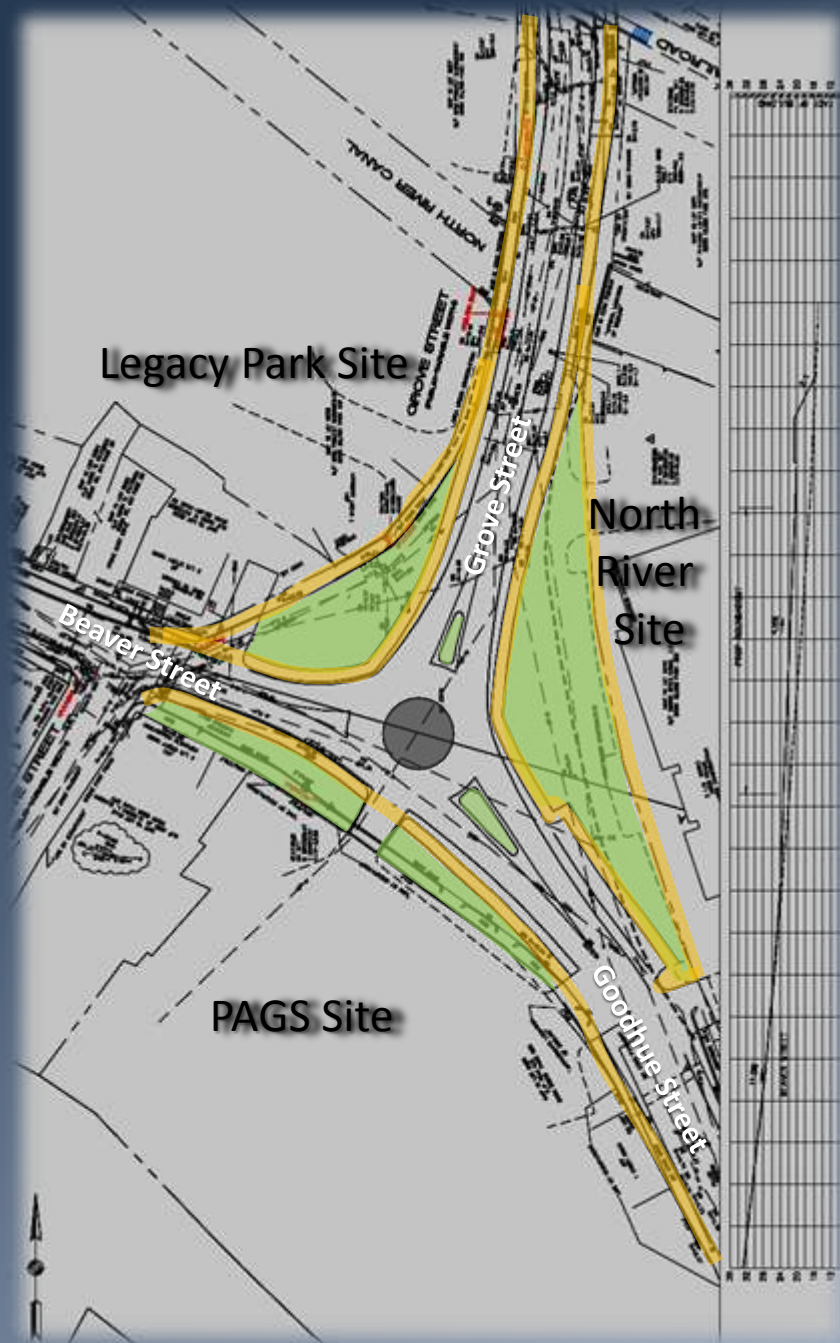
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Grove/Goodhue/ Beaver Streets Roundabout Strategy also Problematic



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Grove/Goodhue/Beaver Streets Preferred Strategy – Aerial Concept



Allows retention of
current road
directionalities;
Creates usable
neighborhood green
spaces; retains North
River Site on street
parking configurations

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Grove/Goodhue/ Beaver Streets Preferred Strategy Design Progress Print

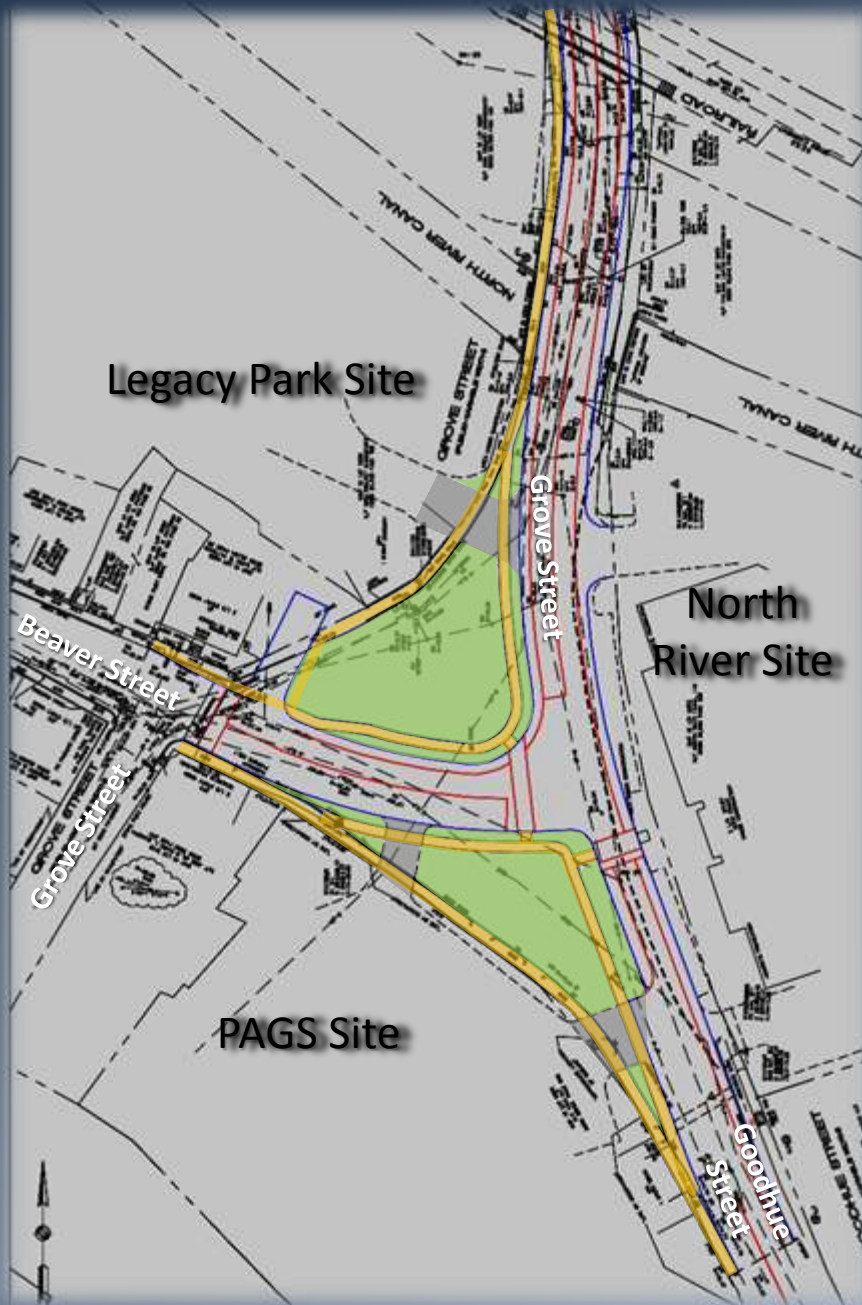
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Grove/Goodhue/Beaver Streets Preferred Strategy - Before

Looking South on Grove Street to Goodhue Street



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Grove/Goodhue/Beaver Streets Preferred Strategy - After

Looking South on Grove Street to Goodhue Street



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Grove/Goodhue/Beaver Streets Preferred Strategy - Before

Looking Northwest on Goodhue Street to Beaver Street



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Looking Northwest on Goodhue Street to Beaver Street



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Grove Street MassWorks Enhancements Preferred Strategy Overview

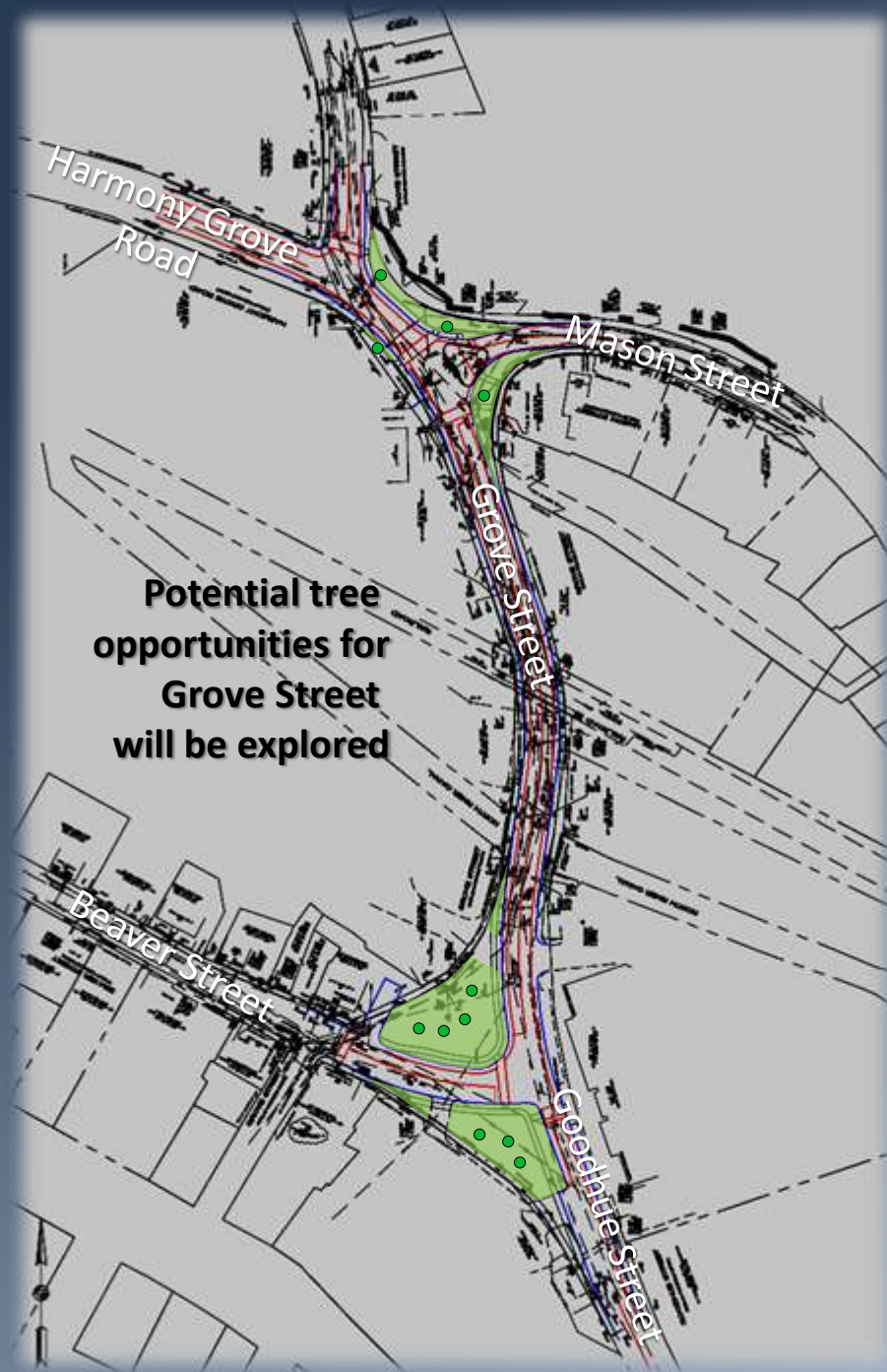
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Potential tree
opportunities for
Grove Street
will be explored

Thanks Questions/Comments?

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Extra Slides

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1. ALL CURB AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST WATER REMOVED.

2. ALL CURB AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST WATER REMOVED.

3. PRIOR TO ANY CONSTRUCTION ACTIVITIES EXISTING SITE CONDITIONS AT ALL PROPOSED

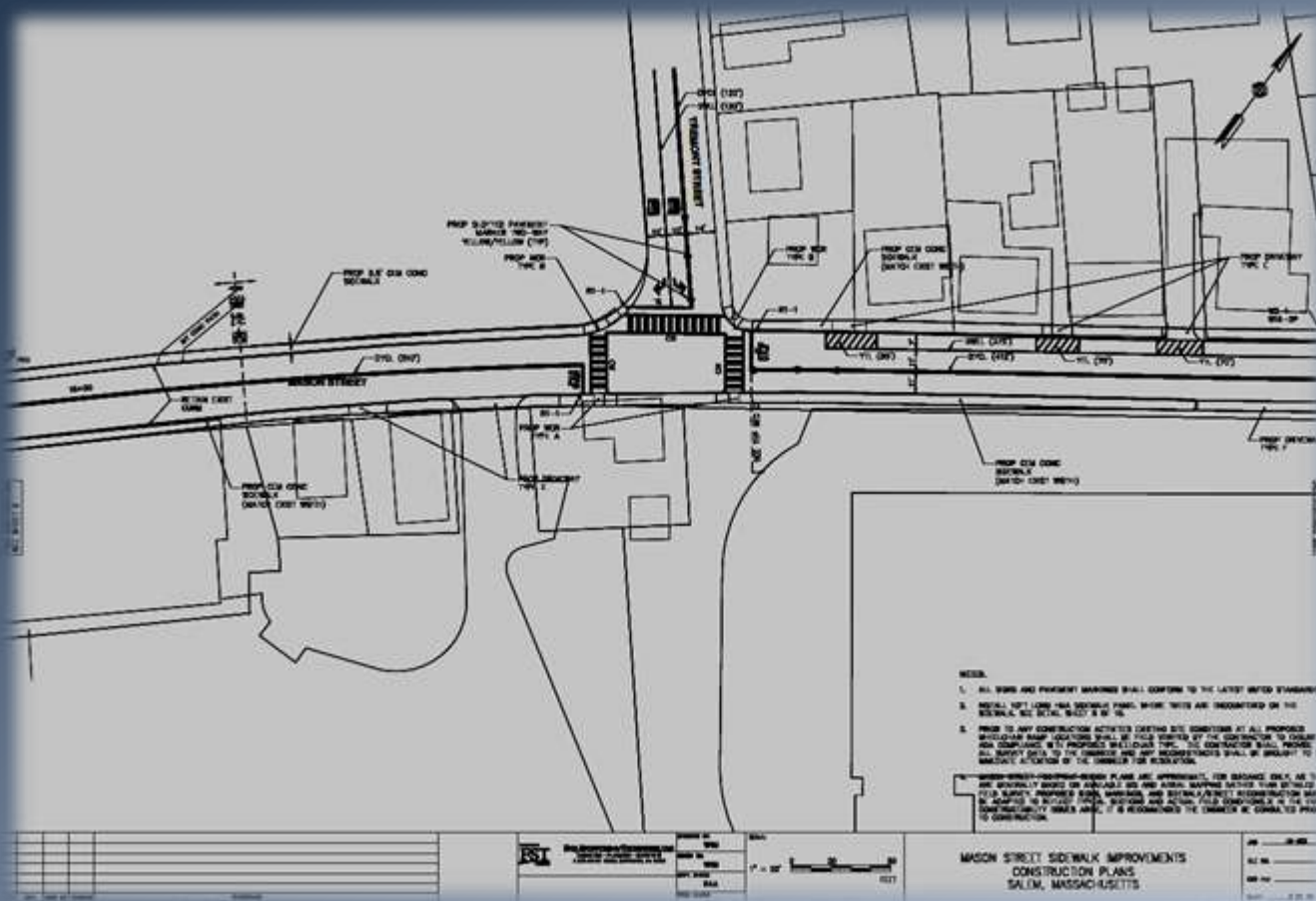
4. MASON STREET SIDEWALK IMPROVEMENTS SHALL BE BASED ON THE LATEST WATER REMOVED

5. FOR DETAILS OF MASON STREET SIDEWALK IMPROVEMENTS, SEE SHEET 7 OF 10.

MASON STREET SIDEWALK IMPROVEMENTS
CONSTRUCTION PLANS
SALEM, MASSACHUSETTS



Mason Street Traffic Calming – Spring 2014



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Mason Street Traffic Calming – Spring 2014



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Grove/Harmony Grove/Mason St Roundabout Auto-turn Sketch



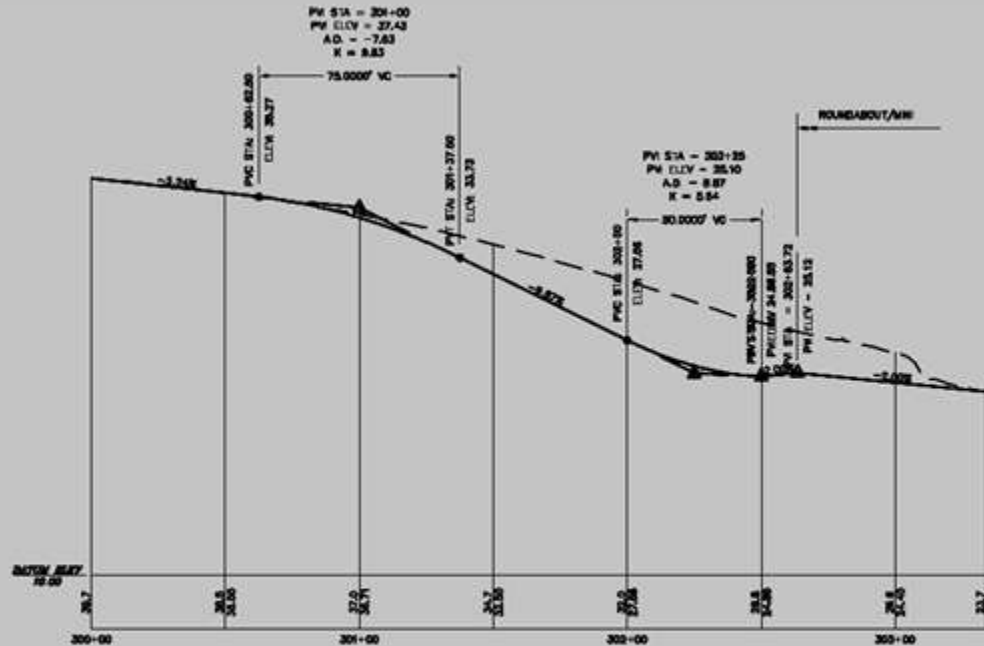
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Mason St Profiles Existing vs Roundabout



MASON STREET

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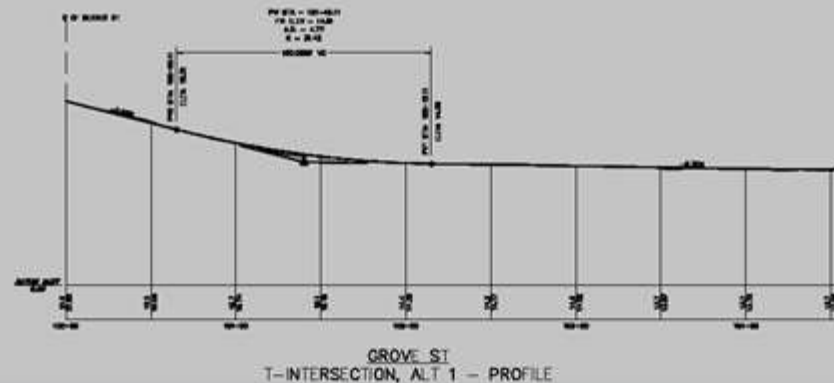
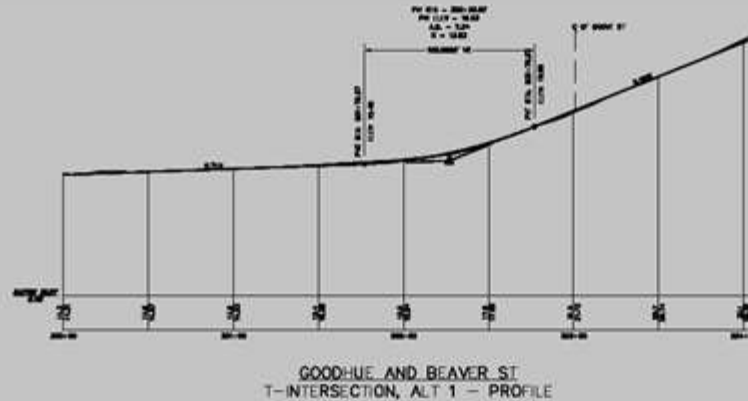
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Grove/Beaver/Goodhue Streets Preferred Strategy Profiles



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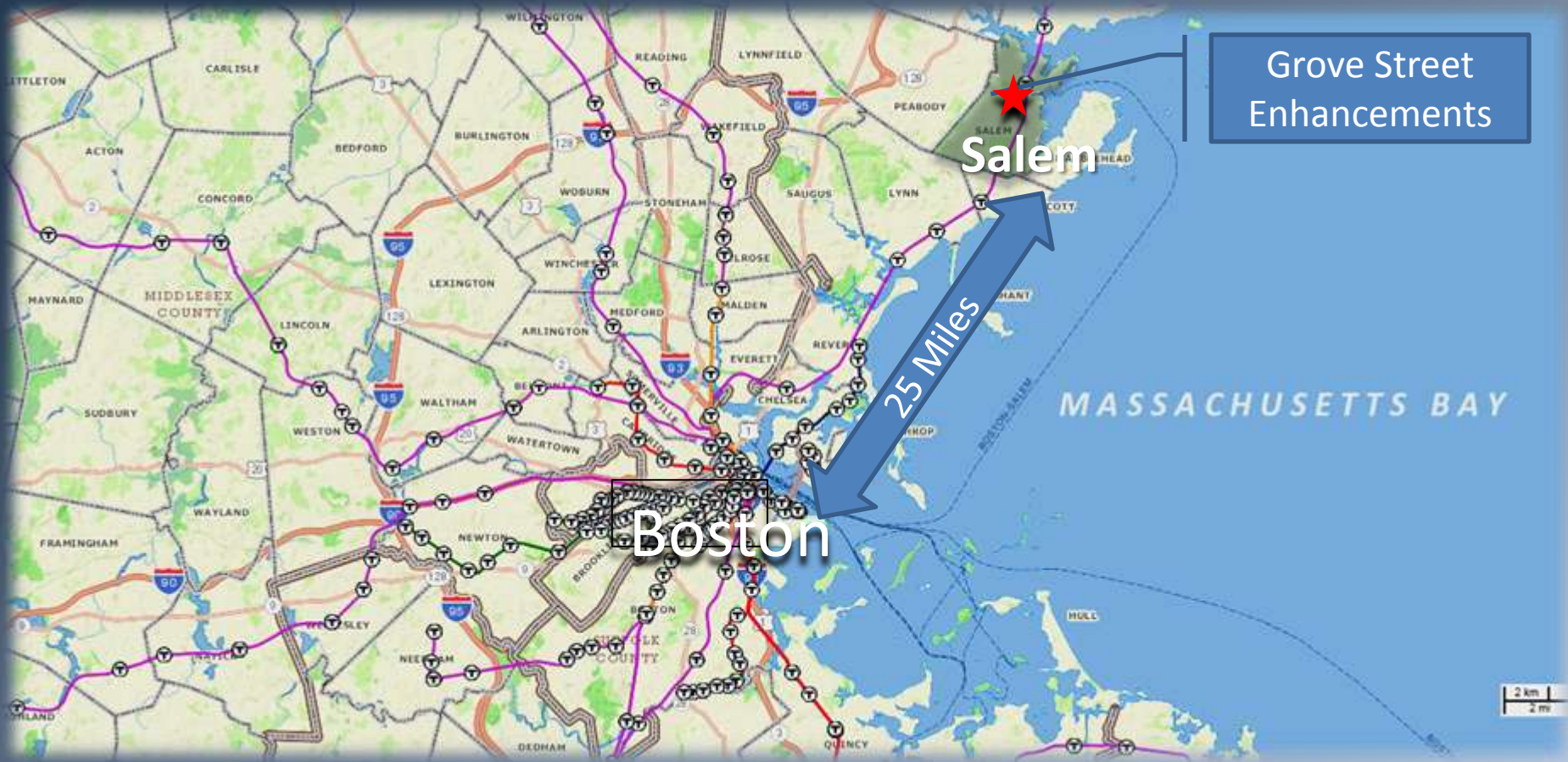
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Regional Context



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