



Islington Street Corridor Project Public Project Initiation Meeting



November 9, 2015

Meeting Agenda

Presentation:

- Meeting Purpose
- Project Team
- Project scope
- Issues and Opportunities

Breakout Session

Wrap Up

Meeting Purpose

- Explain the scope of the project to the Public
- Provide the public an opportunity to share their concerns and ideas before design commences

Integrated Consulting Team



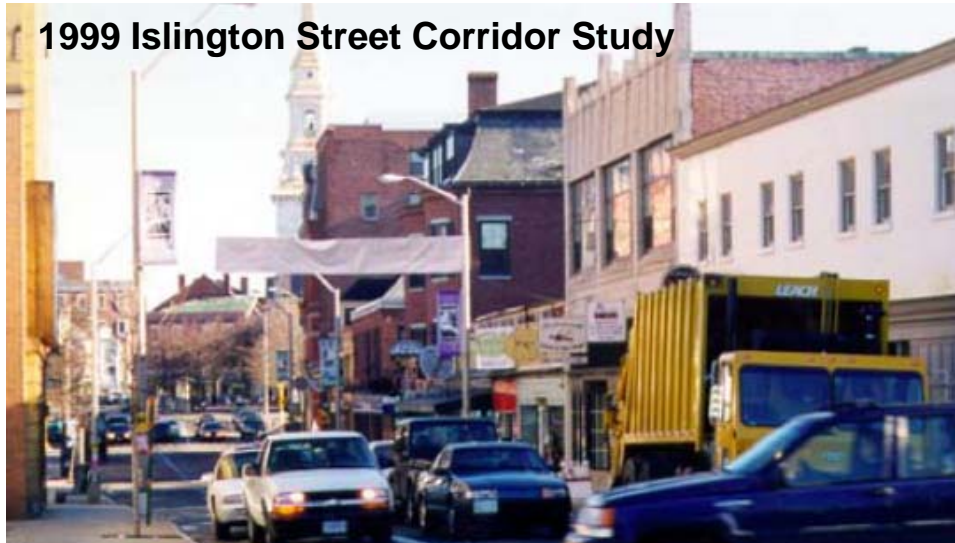
LEE F. CARROLL, PE
Electrical Consultant



- Project Management
- Roadway & Streetscape Design
- Public Process
- Utility Design and Coordination
- Geotechnical Services
- Lighting Design
- Cultural Resources Documentation



Maine/New Hampshire Connections Study



1999 Islington Street Corridor Study



Route 33 Improvements

VHB's - Portsmouth Experience

Main Street, St Albans, VT



Main Street, Littleton, NH

Main Street, Barre City, VT



Relevant Urban Design/Complete Streets Experience

An aerial photograph of Somersworth, New Hampshire, showing a river winding through the town. The buildings are a mix of brick and white structures, with some featuring red roofs. The trees are in full autumn foliage, displaying vibrant shades of orange, red, and yellow. The streets are paved and have visible lane markings. A large parking lot is visible on the right side of the river. The overall scene is a typical small-town urban landscape.

Somersworth, NH

Relevant Urban Streetscape Experience

Underwood's Portsmouth Experience:

- Completed over **\$26M** and **35,000 LF** of City sewer separation projects over the last **10 years**
- Their work included Lincoln, Bartlett, and Cass St. projects



Project Limits



Project Scope:

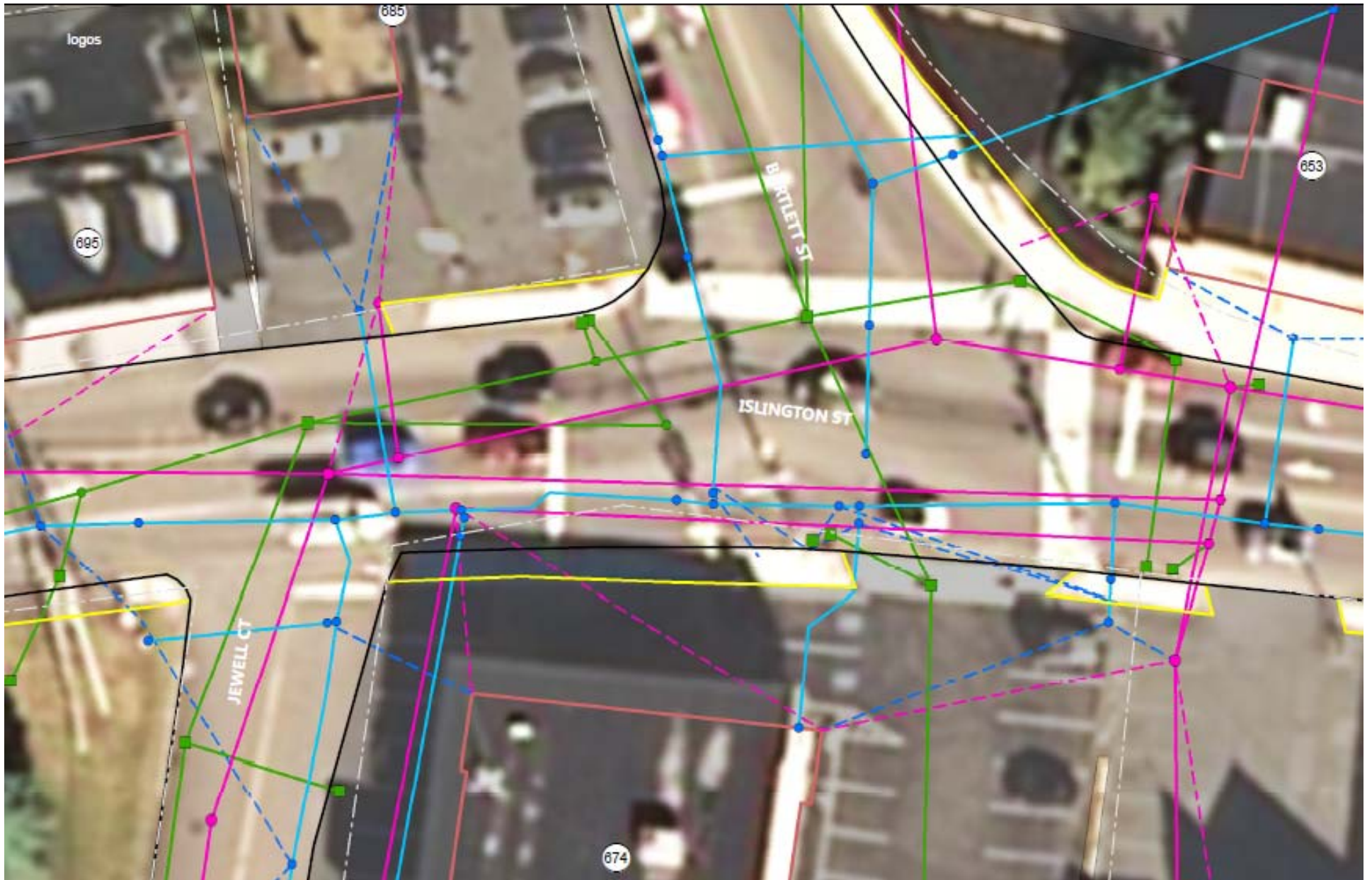
- Utility Upgrades
- Roadway and Sidewalk Reconstruction
- Geometric Improvements
- Streetscape Enhancements
- Lighting
- Traffic Signal Improvement
- ADA Accommodations
- Bike Accommodations
- Parking

Utility Upgrades:

- Sewer
- Stormwater
- Water
- Gas
- Power
- Communications



Underground Utility Inventory

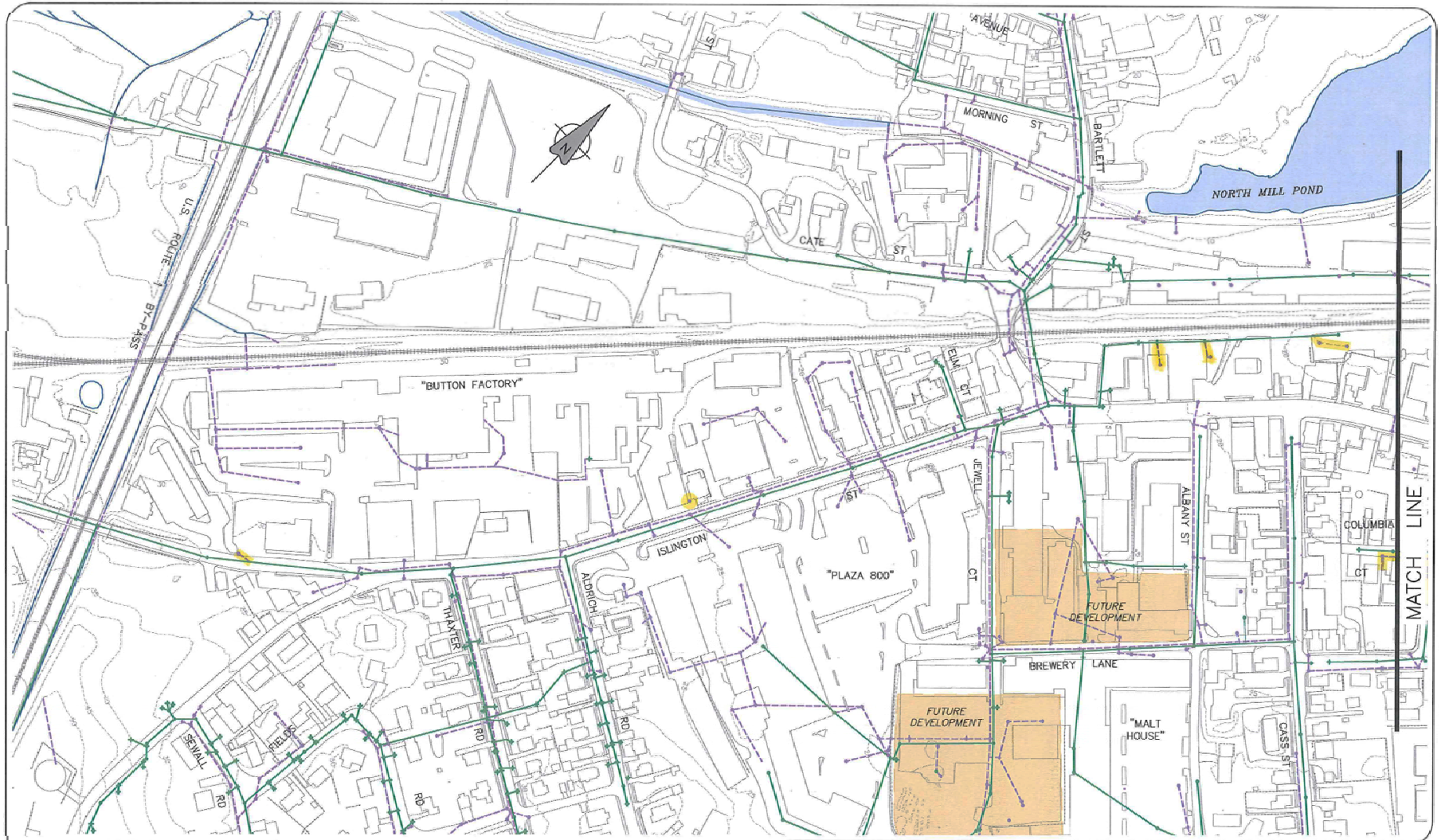


Functionality of Existing Systems

- Examine sewer routing
- Sewerage back-ups
- House surveys, homeowner questionnaires
- Drainage, flooding and documentation of pre-existing conditions

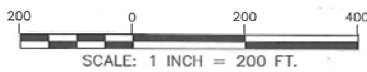


Systems Design



LEGEND:

- CB/STRUCTURE & DRAIN LINE
- MH/CONNECTION & SEWER LINE
- SUSPECTED DRAINAGE CONNECTION TO SEWER



H:\N\Projects\Portsmouth\2015\Islington Streets\2014 Base from Portsmouth 2008 Aerial with NVD 08 Surface Building 2_1020216 3:30:42 PM.mxd

DATE
 1/9/2015
 PROJECT
 N2498

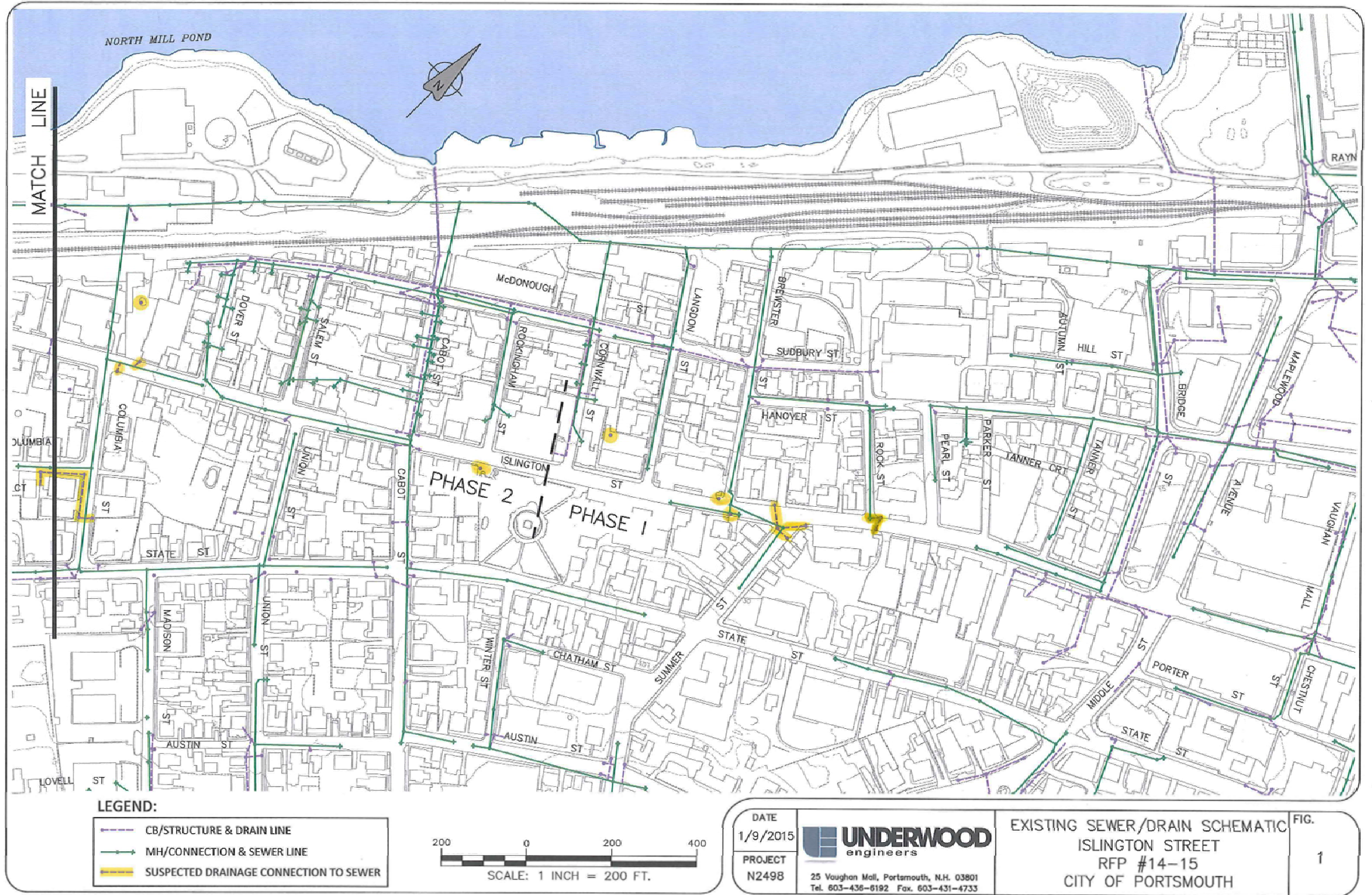


25 Vaughan Mall, Portsmouth, N.H. 03801
 Tel. 603-436-8192 Fax. 603-431-4733

EXISTING SEWER/DRAIN SCHEMATIC
 ISLINGTON STREET
 RFP #14-15
 CITY OF PORTSMOUTH

FIG.
 2

Systems Design



H:\M\Numbers\Portsmouth\N2498-Islington Streets\2498 Base from Portsmouth 2006 Aerial with NAVD 83 Surface Buildings_1_1902015.03.11 PM.mxd

System Inventories



PUBLIC WORKS DEPARTMENT
PORTSMOUTH, NEW HAMPSHIRE

Underwood Engineers, Inc.
Portsmouth, New Hampshire
Flow Assessment Services, LLC.
Auburn, New Hampshire

Lot # Tax Map # Subsystem Street # Interviewer:

Multi Unit Res Single Unit Res Commercial # of Units

Initial Date Initial Time No One Home 1st Time
 Follow Up Date Follow Up Time No One Home 2nd Time Inspection Completed House Vacant Not Admitted
 3rd Visit Date: 3rd Visit Time: No One Home 3rd Time

1) Have any of the following problems occurred? Flooded Basement Sewage In Basement Clogged Pipe Not Known Other

2) Is there a basement Full Basement or Crawl Space Slab Floor or Dirt Floor Distance from Basement Floor to Sill:

3) Sewer invert information? Cannot Locate

Above floor level Below Floor Level
 Distance From Pipe to Sill Depth From Floor
 Height above floor Unknown Depth From Floor Level Comments

4) Is there a sump pump?

5) If yes, where does the pump discharge? Sanitary Sewer Separate Pipe Out Surface Cannot Locate Unknown Other

Discharge Comments

6) Are the following present in the basement to collect water from the floor?

Open Cleanout Open Pipe
 Basement Drain Recommend Dye Test
 Sump Pit Collection Comments:

7) Are Any of the following present outside the building
 *(Pet quantity observed in spaces marked with *)

RL Into Foundation*	<input type="text"/>	Stair Well Drain	<input type="checkbox"/>	Window Well Drain	<input type="checkbox"/>
RL Into Ground*	<input type="text"/>	Driveway Drain	<input type="checkbox"/>	Yard Drain	<input type="checkbox"/>
RL Into Ground*	<input type="text"/>	Flat Roof Drain System	<input type="checkbox"/>		
RL Onto Surface*	<input type="text"/>				

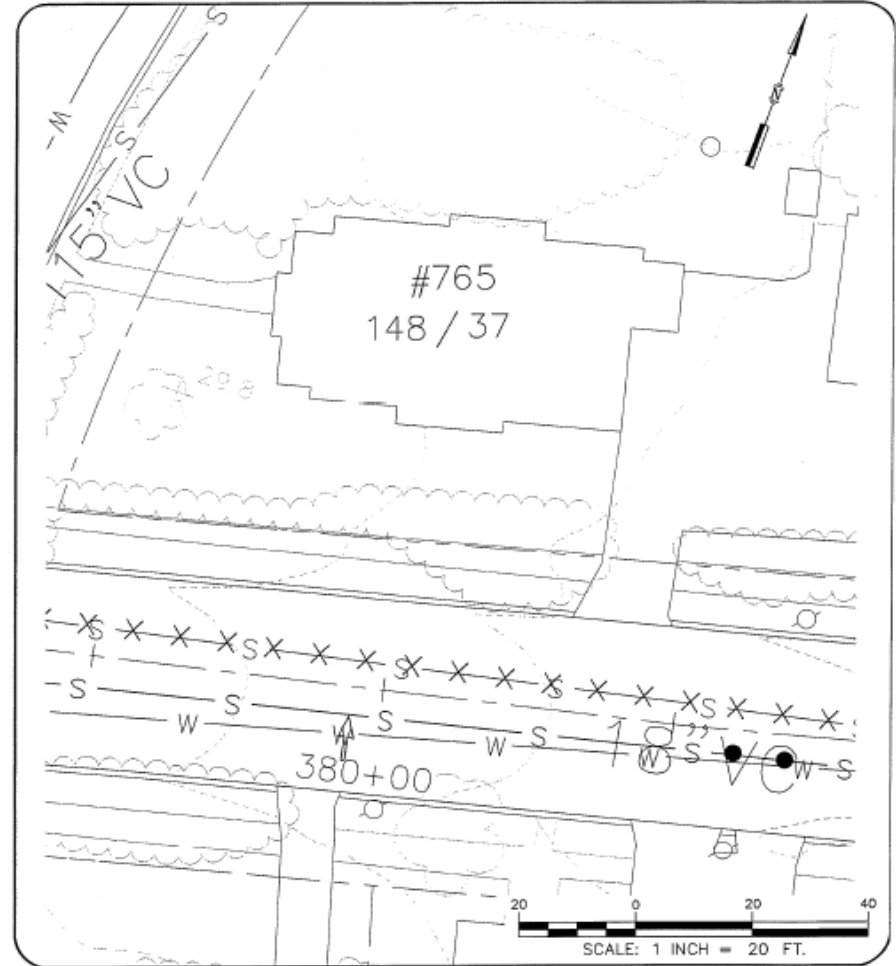
Drain Comments

8) Water Service Information: Cannot Locate Above Floor Distance From Sill Below Floor

Pipe Material: Copper Plastic Lead
 Iron Other: Water Service Comments:

General Comments

NOTE: SEE ATTACHED SKETCH



SCHEMATIC INFORMATION CHECKLIST		House-to-House Survey Lincoln Area Sewer Separation Portsmouth, NH	DATE: <input type="text"/>
WATER SERVICE	<input type="checkbox"/>		STREET: <input type="text"/>
SEWER SERVICE	<input type="checkbox"/>	<input type="text"/> Lincoln Ave	ADDRESS: #765
CURB STOP	<input type="checkbox"/>		BY#: <input type="text"/>
WATER METER	<input type="checkbox"/>		
SUMP PUMP	<input type="checkbox"/>		
DRAIN LINE	<input type="checkbox"/>	DRAIN TYPE	OUTLET
CLEAN OUTS	<input type="checkbox"/>	d - YARD OR DRIVEWAY DRAIN	○ ONTO SURFACE
UG UNDERGROUND ELEC.	<input type="checkbox"/>	x - DOWNSPOUT	● INTO GROUND
		r - ROOF LEADER	⊗ ENTERS FOUNDATION
Underwood Engineers, Inc. and Flow Assessment Services, LLC.			

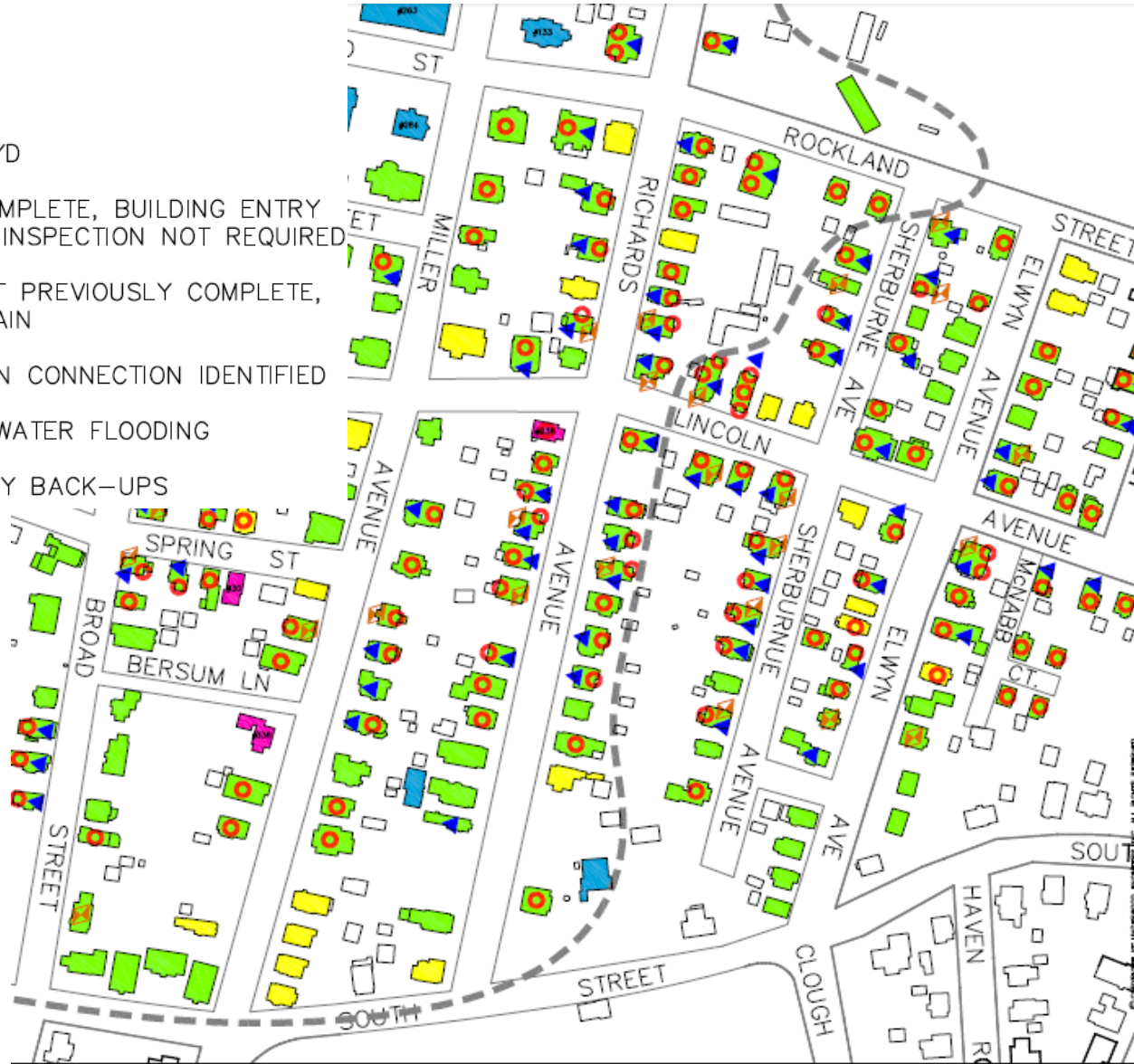
Basement Inspections



System Inventories

LEGEND:

- SURVEY COMPLETE
- NEEDS TO BE SURVEYED
- EXTERIOR SURVEY COMPLETE, BUILDING ENTRY NOT POSSIBLE, 2008 INSPECTION NOT REQUIRED
- INTERIOR SURVEY NOT PREVIOUSLY COMPLETE, ATTEMPT SURVEY AGAIN
- SUMP PUMP OR DRAIN CONNECTION IDENTIFIED
- REPORTS OF STORM WATER FLOODING
- REPORTS OF SANITARY BACK-UPS



**Underwood
Engineers, Inc.**
25 Vaughan Mall, Portsmouth, N.H. 03801
Tel. 603-436-6192 Fax. 603-431-4733

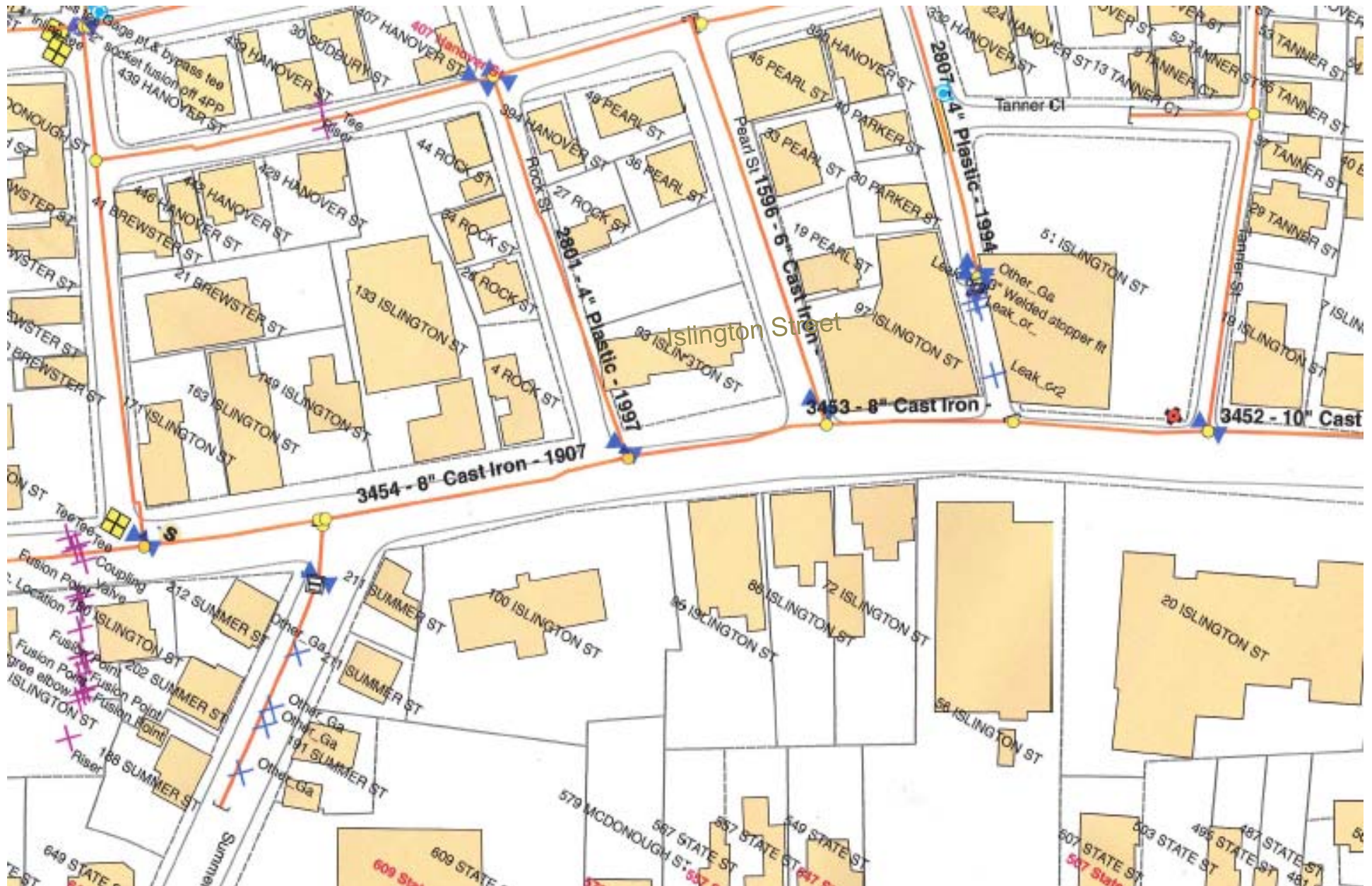
HOUSE TO HOUSE SURVEY	LINCOLN AREA SEWER SEPARATION - C3
CITY OF PORTSMOUTH PORTSMOUTH, NH	
DWG NO -	SHEET - OF -

Coordination with Private Utilities

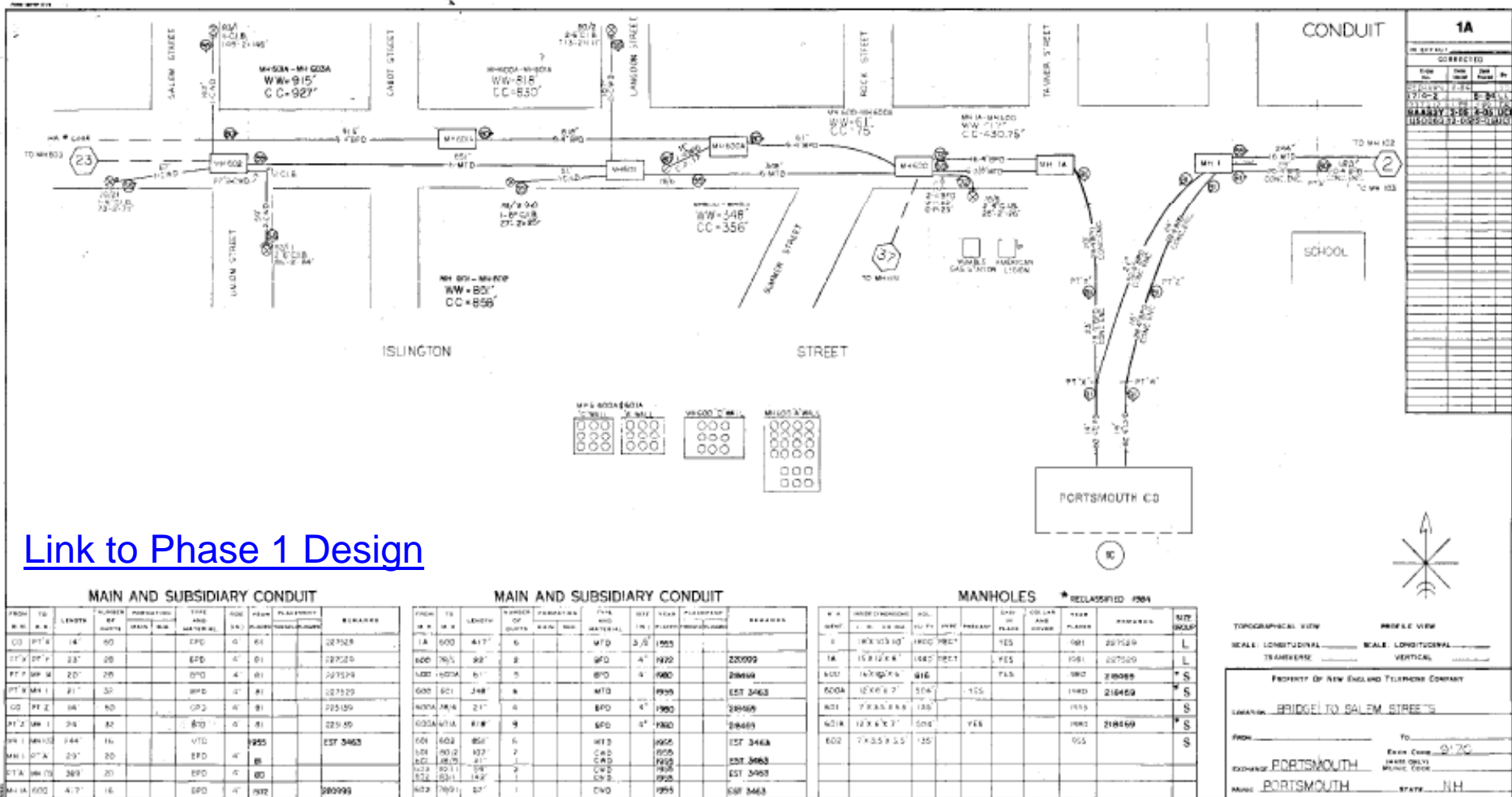
- Gas (Unitil)
 - Electric (Eversource)
 - Telephone (Fairpoint)
- Consider Moving Utilities Underground to Improve Streetscape



Unitil (Gas) Utility Schematic



Fairpoint Underground Utility Schematic

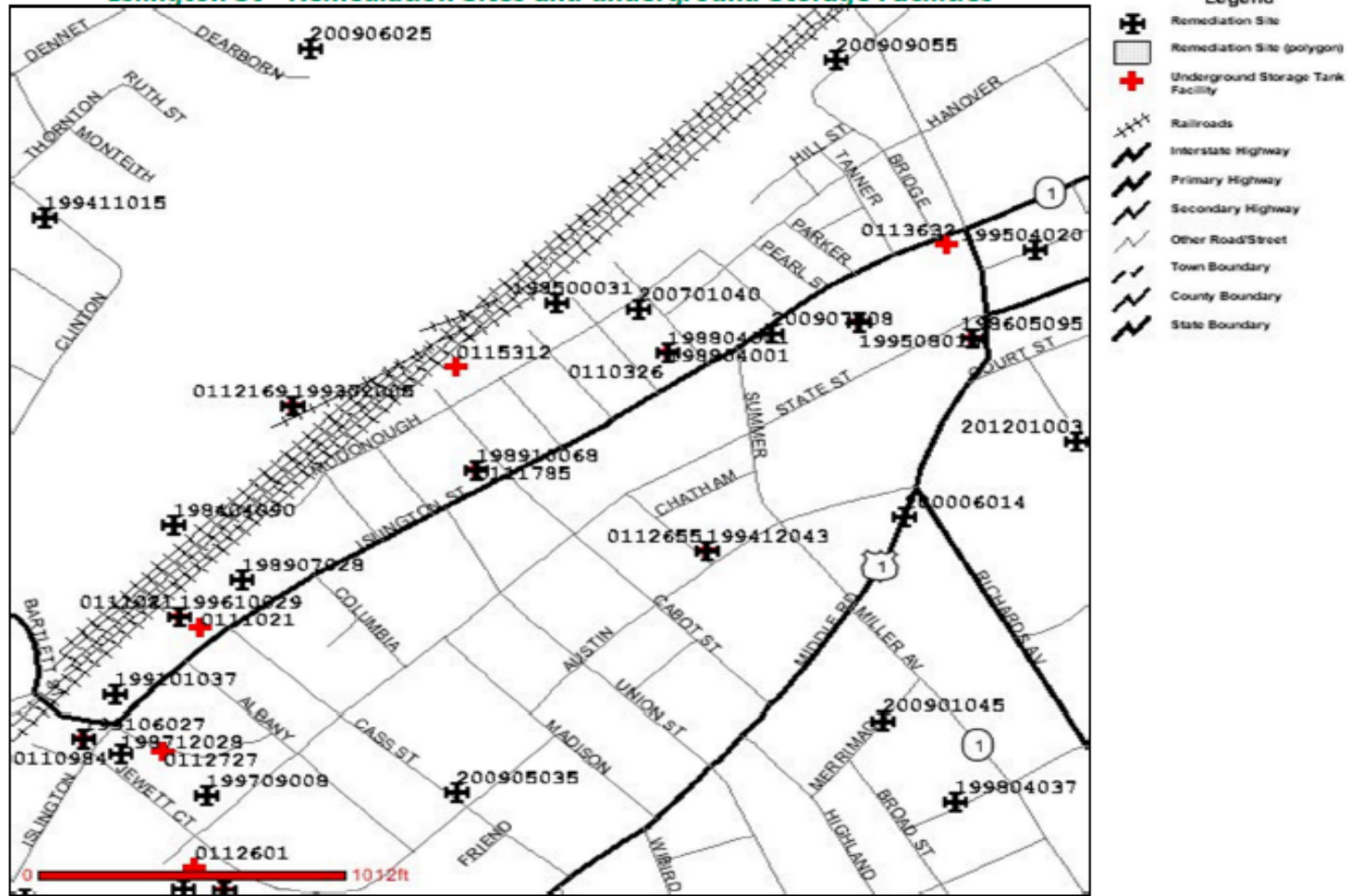


[Link to Phase 1 Design](#)

Hazardous Materials



Islington St - Remediation Sites and underground Storage Facilities



Roadway Borings

- Determine Pavement Materials and Thicknesses
- Approximately 40 Borings Planned



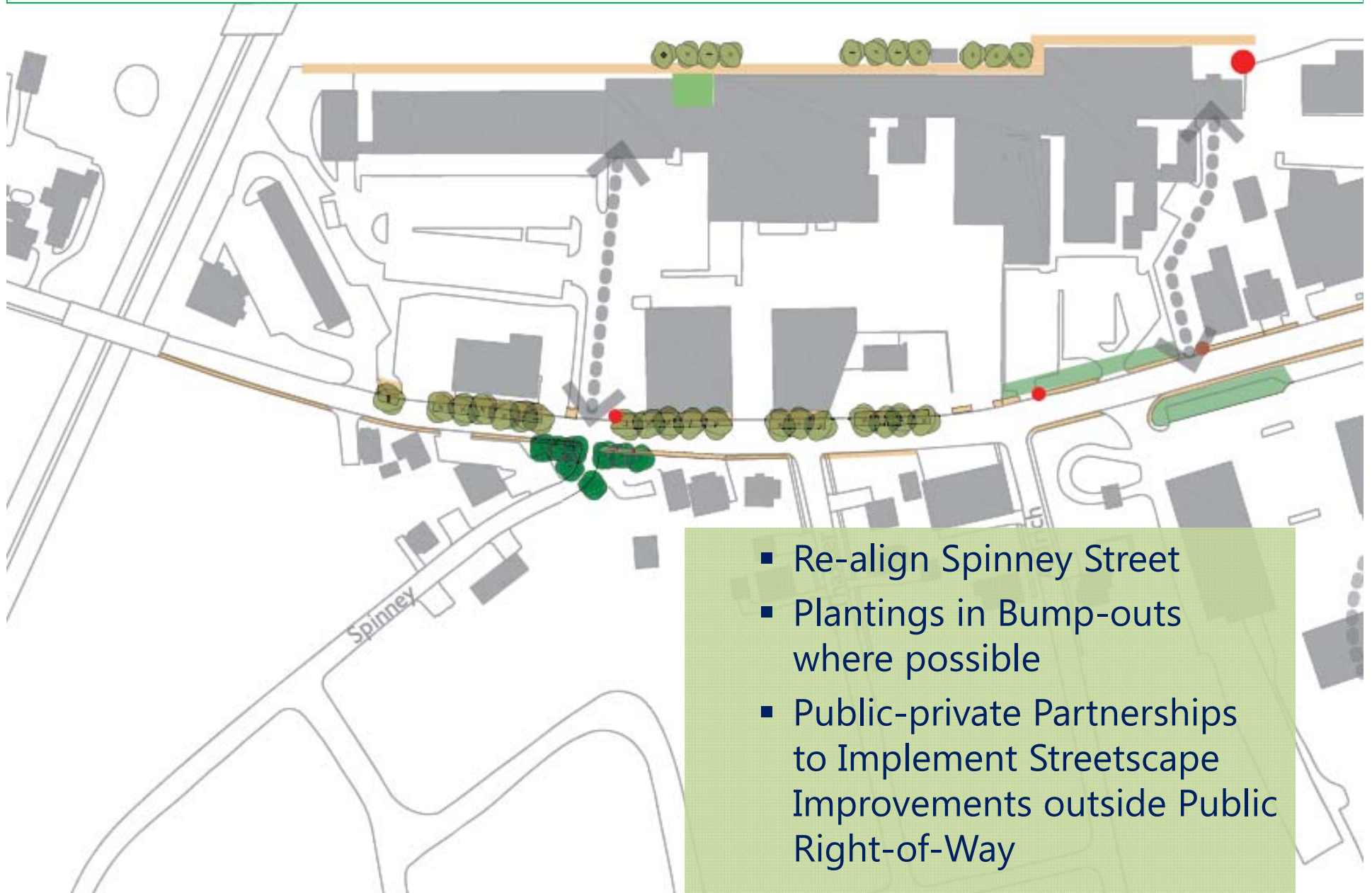
Roadway / Sidewalk Reconstruction

- Phased Construction
- Traffic Management Critical
- Pedestrian Access Maintained

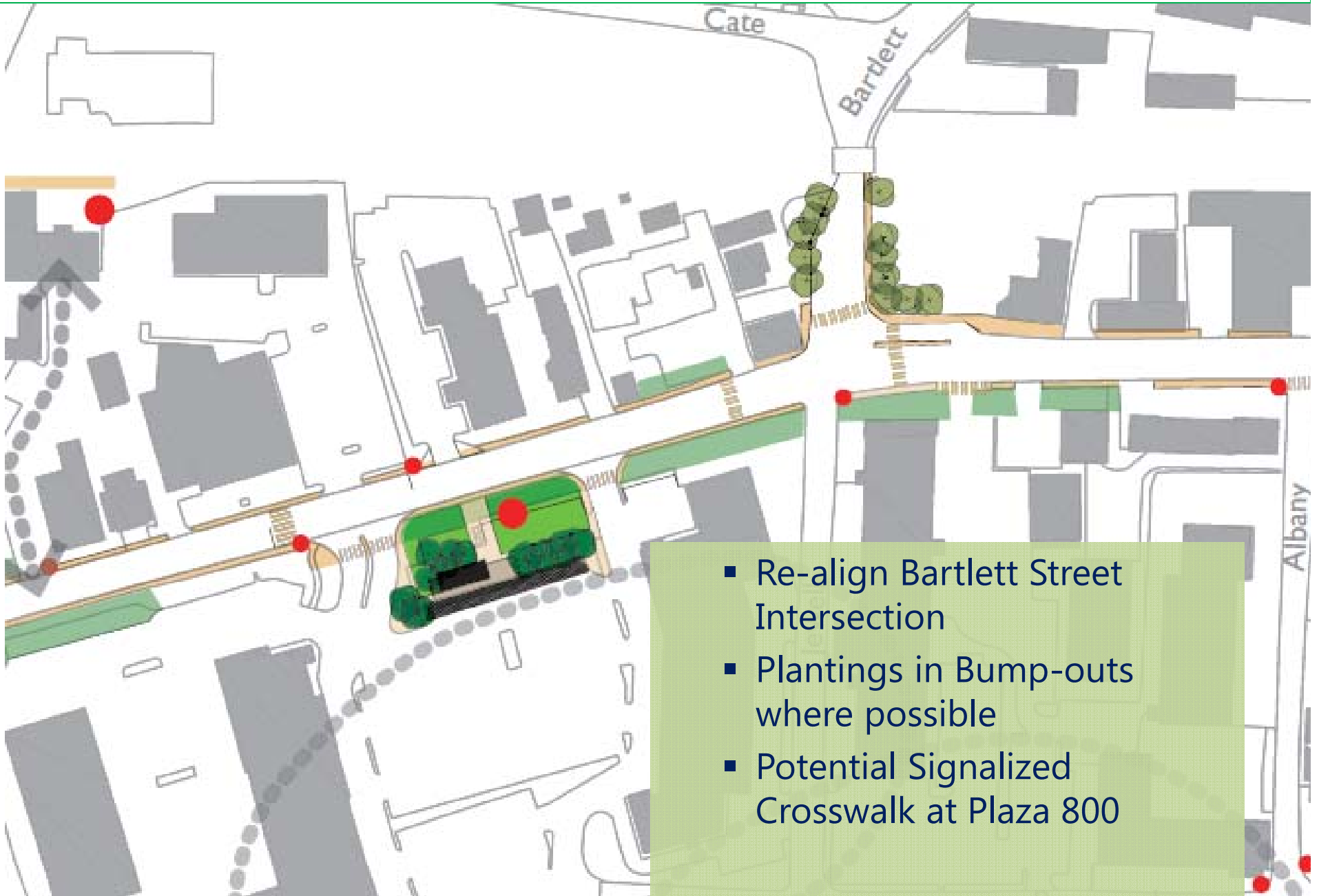


2009 Islington Street Corridor Improvement Action Plan

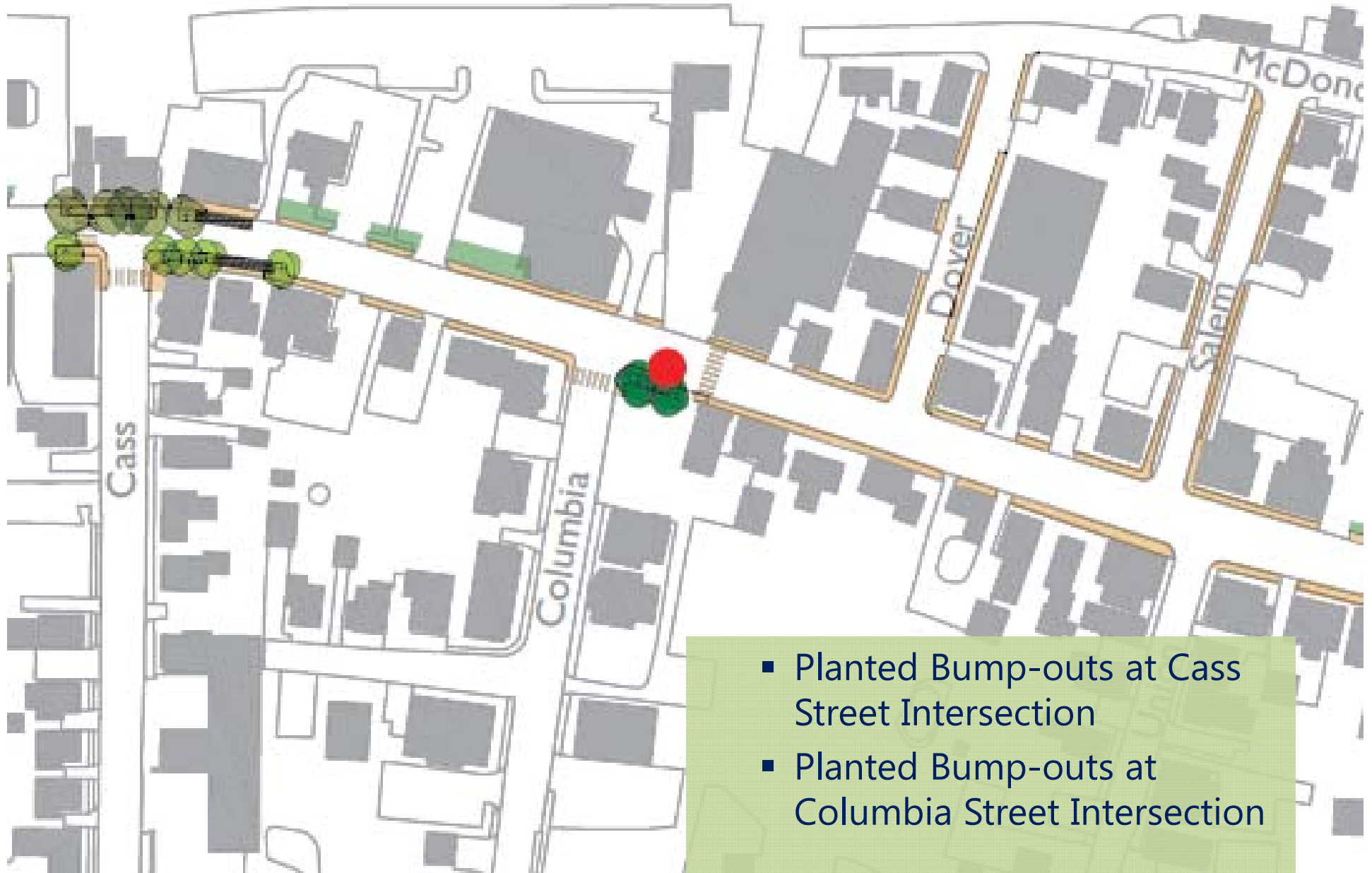
-Richardson & Associates



2009 Islington Street Corridor Improvement Action Plan



2009 Islington Street Corridor Improvement Action Plan

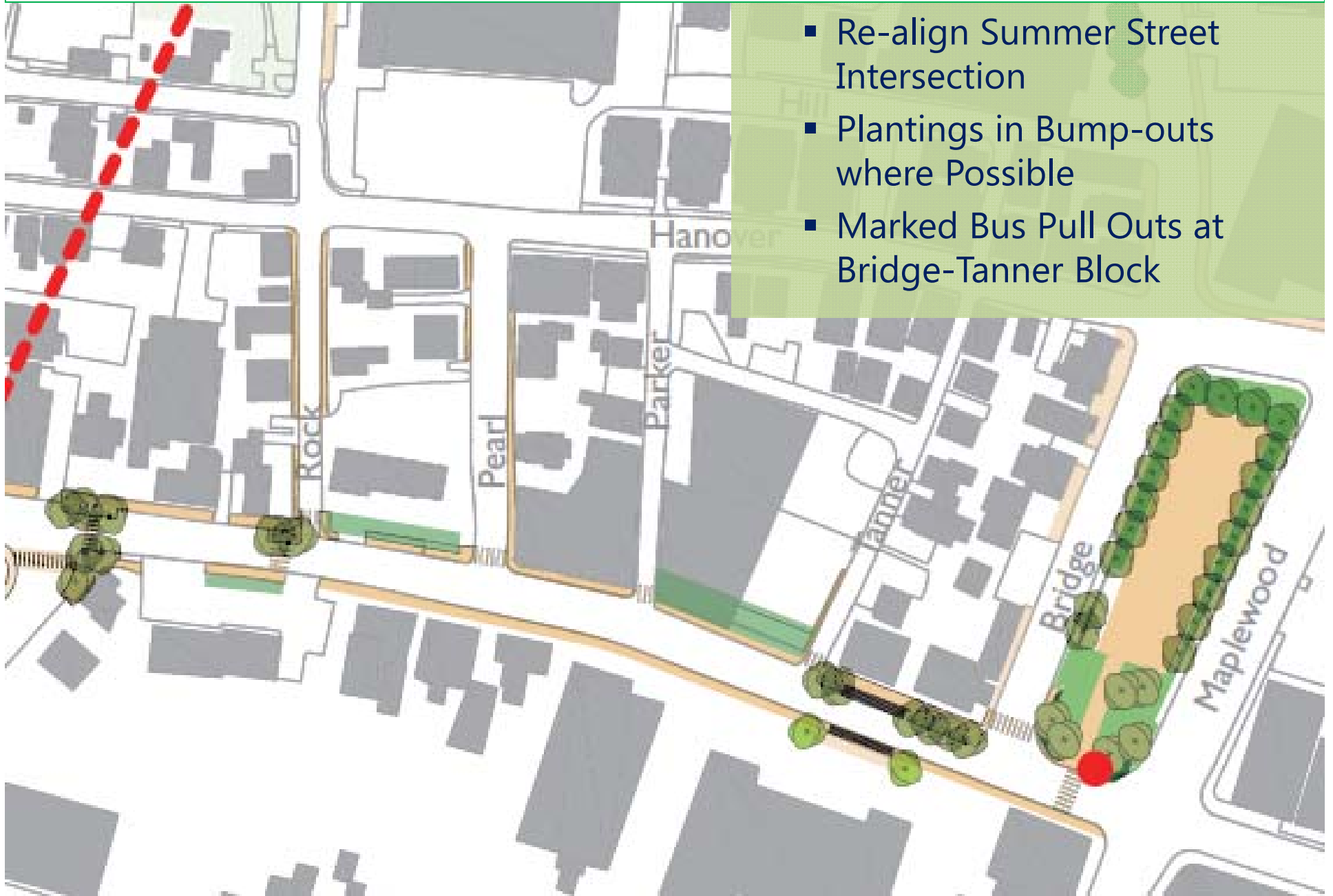


2009 Islington Street Corridor Improvement Action Plan



2009 Islington Street Corridor Improvement Action Plan

- Re-align Summer Street Intersection
- Plantings in Bump-outs where Possible
- Marked Bus Pull Outs at Bridge-Tanner Block



Crosswalk Bump-out Examples:



Crosswalk Bump-out Examples:



Main Street, St Albans, VT

Crosswalk Bump-out Examples:



Main Street, St Albans, VT

Crosswalk Bump-out Examples:





Brewster St.



Streetscape Amenities

- Trees and plantings
- Lighting
- Gateways
- Bike racks
- Street furniture
- Sidewalk materials
- Wayfinding

Rock St. Lot

PUBLIC
PARKING
NO OVERNIGHT PARKING
VEHICLES WILL BE TOWED



Traffic signals

- Bartlett Street
- Cabot Street



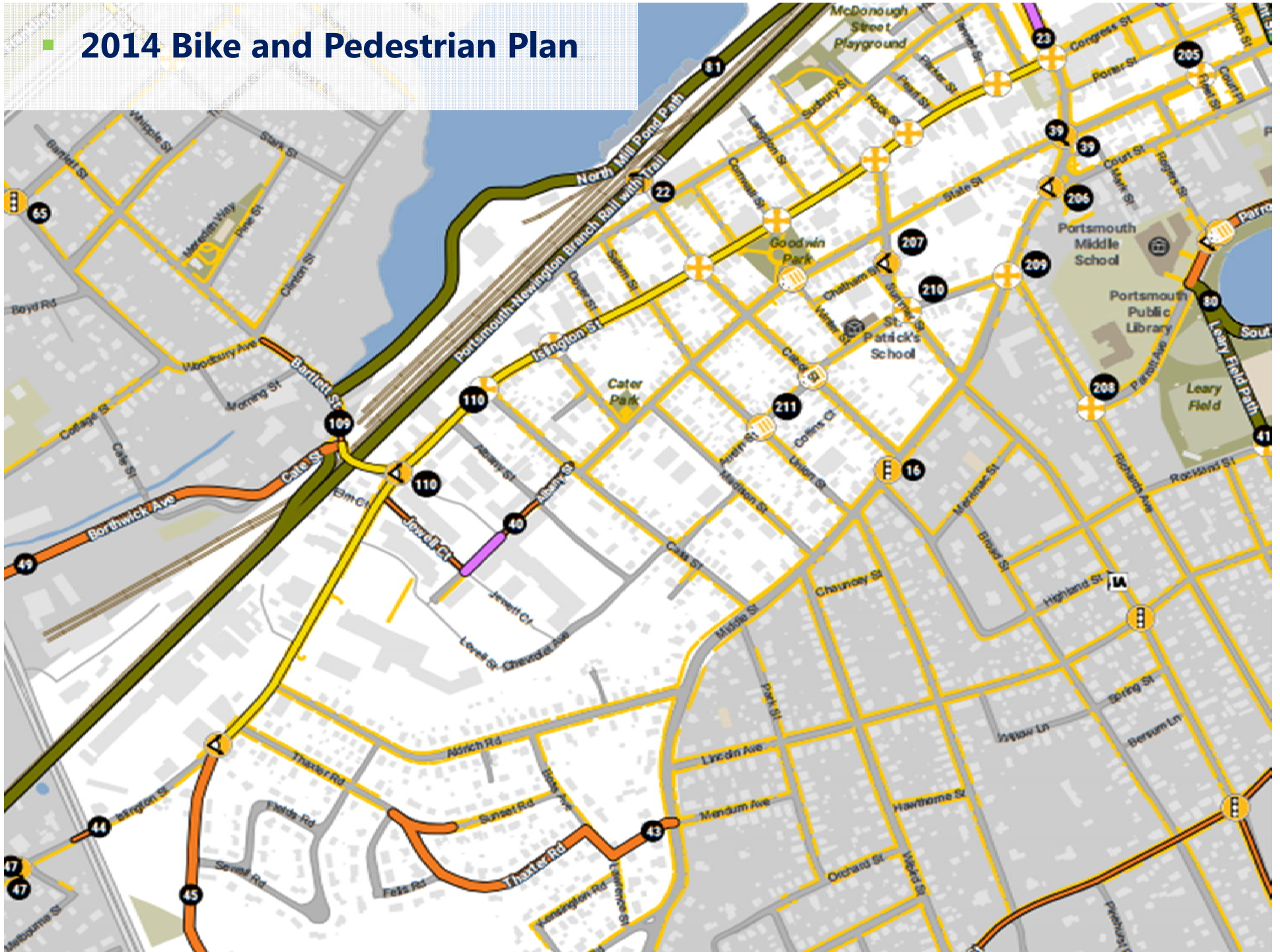
Bike and Ped Considerations:



Bike and Ped Considerations:



2014 Bike and Pedestrian Plan



Project Considerations: Constrained width



Project Considerations: Constrained Width



Project Considerations: Access Management



Project Considerations: Sidewalk Space



Project Considerations: Sidewalk Condition



Project Considerations: Adjacent Landscape



Project Considerations: Undefined Road Edge

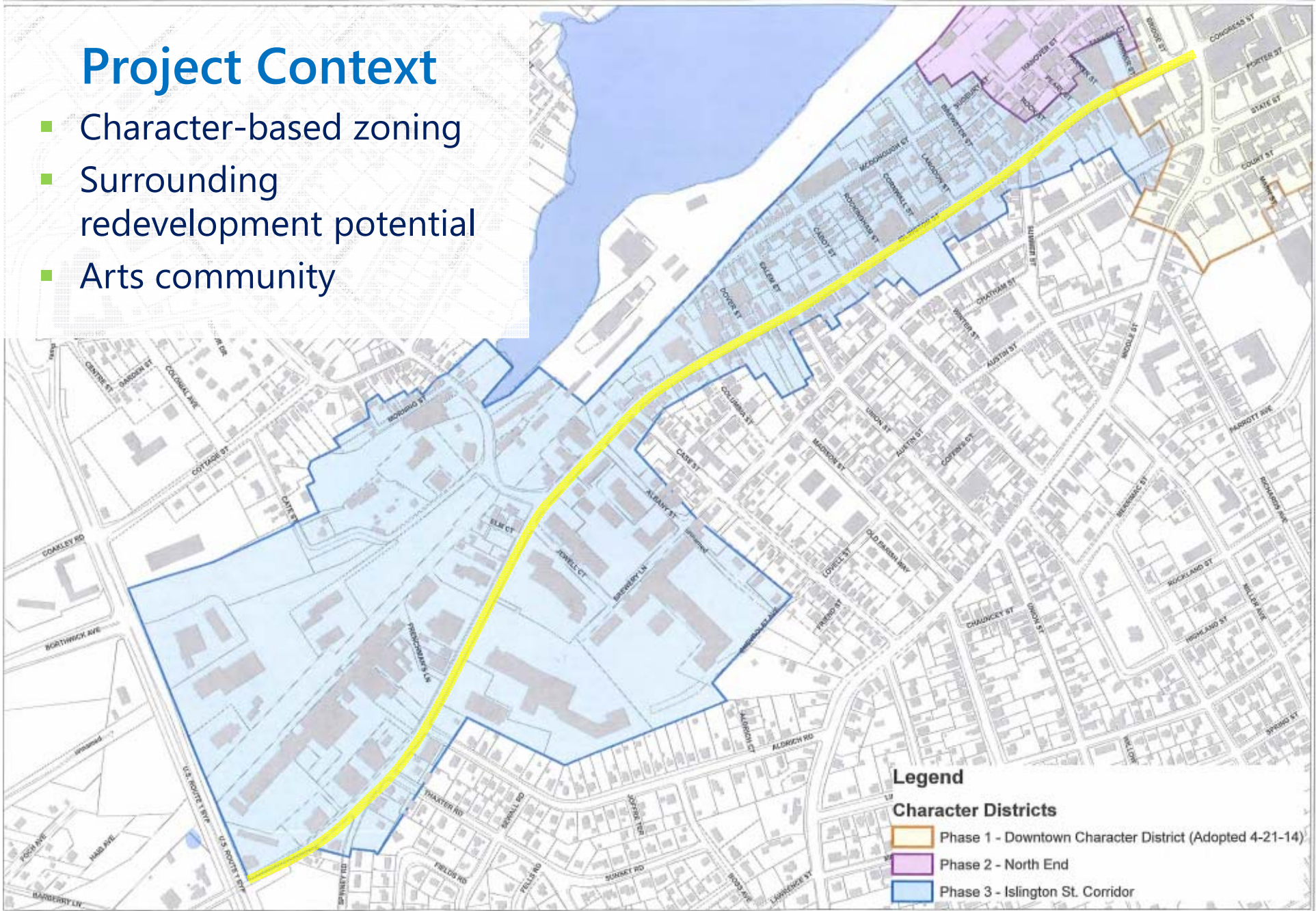


Project Considerations: Parking & Transit



Project Context

- Character-based zoning
- Surrounding redevelopment potential
- Arts community



- THE WEST END: ISLINGTON STREET CORRIDOR PRELIMINARY VISION PLAN



■ THE WEST END: ISLINGTON STREET CORRIDOR PRELIMINARY VISION PLAN

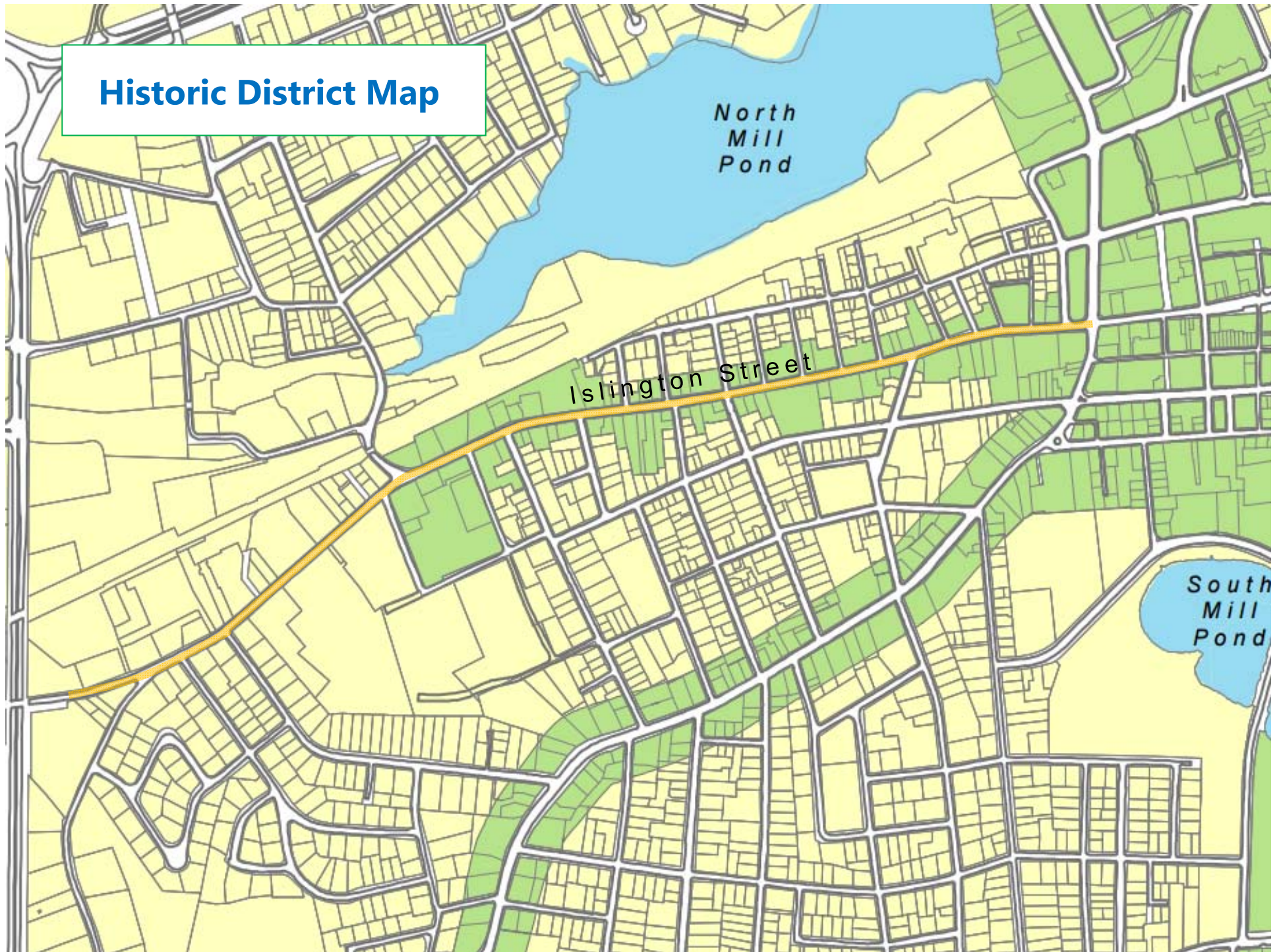


- THE WEST END: ISLINGTON STREET CORRIDOR PRELIMINARY VISION PLAN



PROPOSED DISTRICT CENTRAL SQUARE ADJACENT TO HISTORIC BUTTON FACTORY

Historic District Map



North
Mill
Pond

Islington Street

South
Mill
Pond

Maintenance of Traffic

- Maintain two lanes where possible
- Alternating traffic an option
- Restrict construction limits
- Consider short-term detours
- Consider parking impacts
- Keep public informed



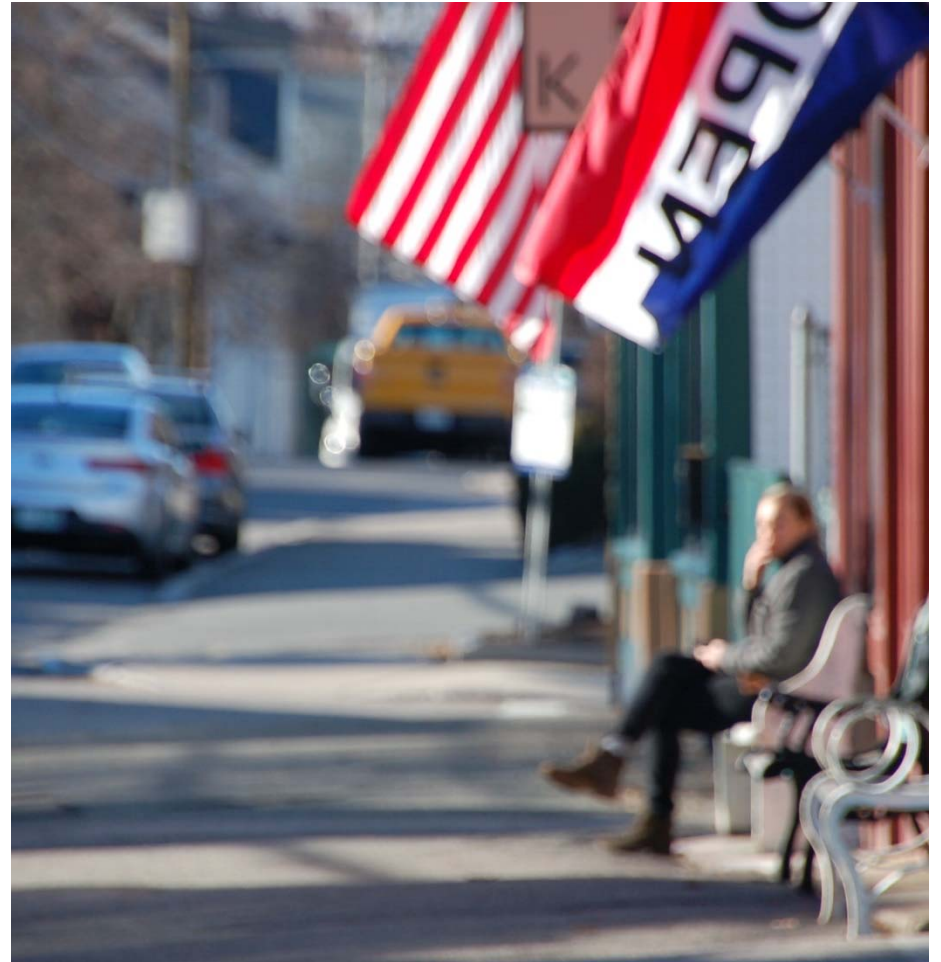
Construction Preparedness

- Tight contract documents
- Consider incentives/disincentives
- Compact work zones
- Define work hours
- Maintain stakeholder involvement
- Open construction meetings to public
- Community liaison officer
- Mobilize project supporters



Keys to Success

- Develop creative and realistic design
- Coordinate utility solutions
- Consider the greater context
- Prepare in advance for construction phase
- Maintain stakeholder contact throughout





Please Share Your Vision with Us



Offices located throughout the East Coast