

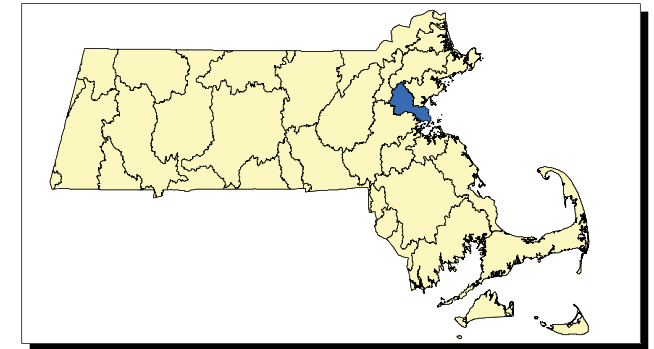
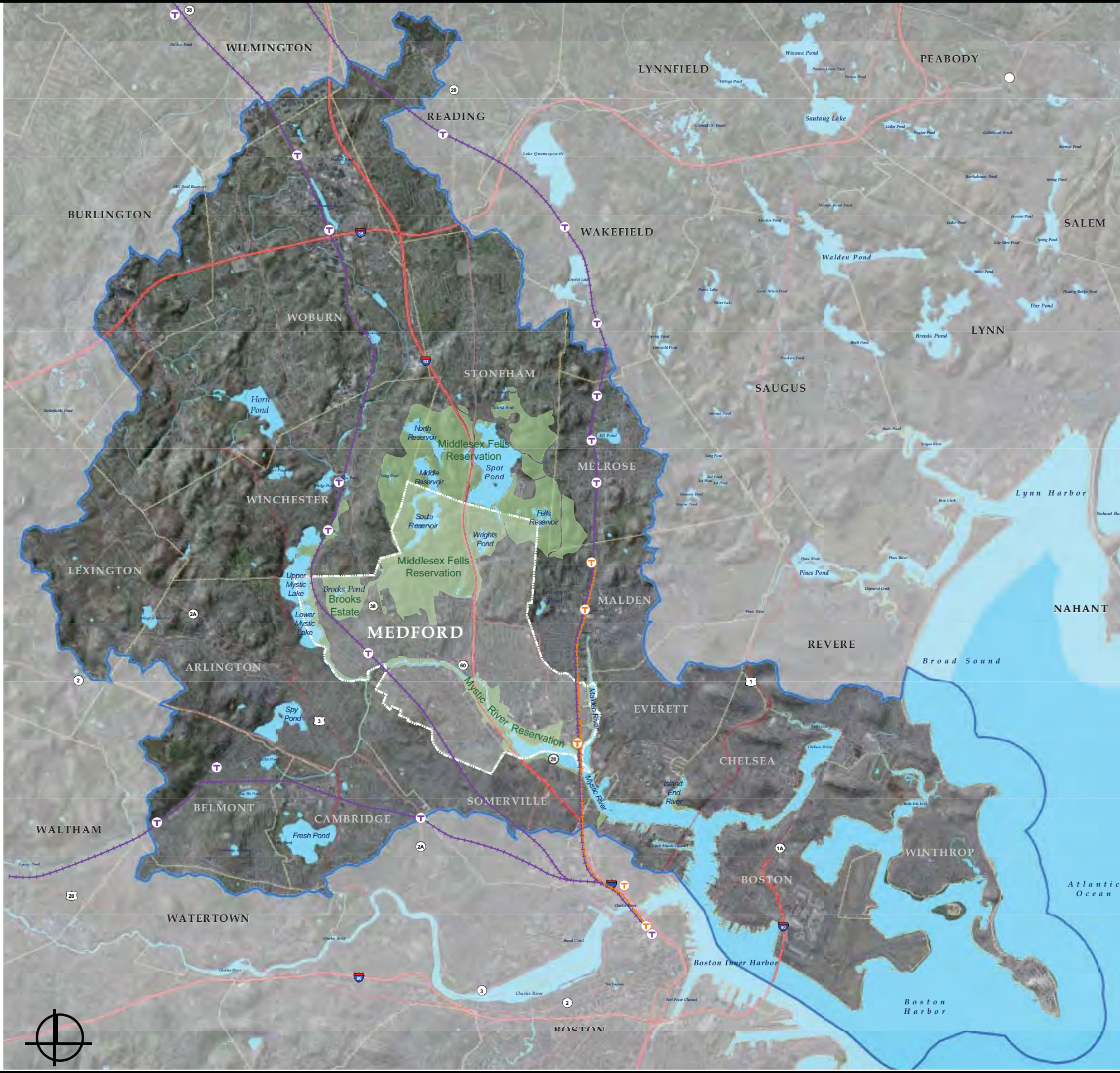
appendix A

mapping

| | |
|----------|--|
| Map 1. | Regional Context Map |
| Map 2. | Environmental Justice Map |
| Map 3. | Zoning Map |
| Map 4. | Soils and Geologic Features Map |
| Map 5. | Unique Features Map |
| Map 6. | Water Resources Map |
| Map 7. | Open Space Inventory Map |
| Map 8. | Action Plan Map |
| Map A. | Historic Community Map |
| Map B. | Population Characteristics Map |
| Map B-1. | Population Characteristics Map (MassGIS Draft Map of 2010 Data) |
| Map C. | Current Land Use |
| Map D. | Existing Infrastructure |
| Map E. | Not used |
| Map F. | Plant and Wildlife Habitat Map |
| Map G. | Environmental Challenges Map |

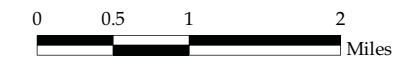
Supplementary Maps:

1. Open Space Ownership
2. Open Space Types & Distribution
3. Income Distribution Maps
4. HUD Low-Moderate Income Census Tracts
5. Percentage of Population Under Age 18
6. Half-Mile Radius Maps of Medford Parks & Open Space
7. Boston Urban Ring Transit - Locally Preferred Alternative
8. MassDOT Green Line Extension Project
9. 1895 U.S. Atlas - Middlesex County
10. O.H. Bailey & Co. - 1880 Bird's-Eye View of Medford



Base map source:
US EPA “Mystic River Watershed” map
<http://www.epa.gov/region1/mysticriver/maps.html>

- Legend:**
- Mystic River Watershed
 - City Boundaries
 - Shared Recreational Resources
 - Medford City Line
 - MBTA Commuter Rail
 - MBTA Orange Line



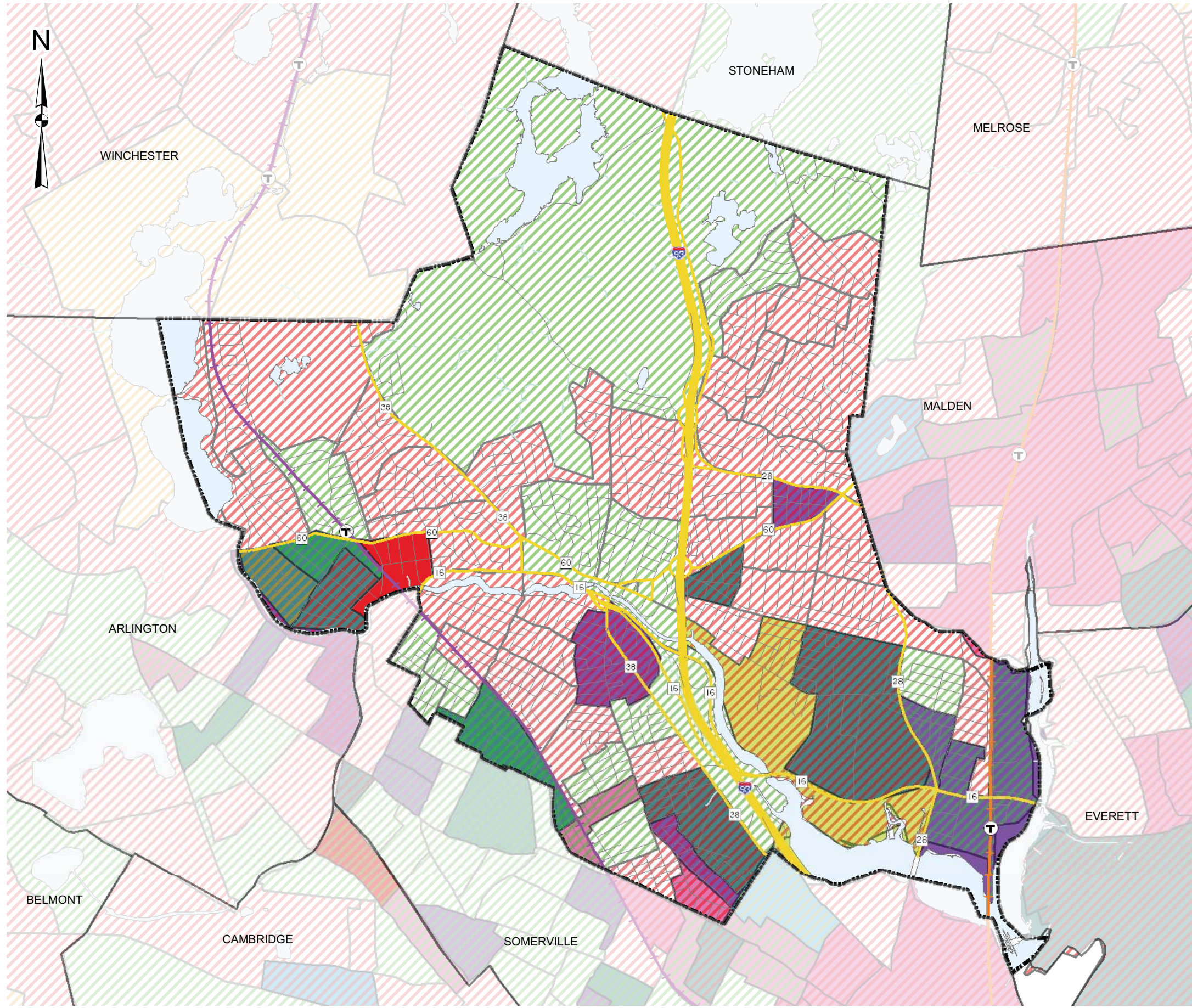
MAP 1

**CITY OF MEDFORD, MASSACHUSETTS
OPEN SPACE AND RECREATION PLAN**

REGIONAL CONTEXT MAP

SEPTEMBER 2011 SCALE: NOTED





Legend

- Abutting Boundary
- Medford Boundary
- Interstate
- State Route
- Non-Numbered Route
- Haverhill Lines
- Lowell Lines
- River, Streams
- Water

% of population under age 18(Census 2000)

- 0 - 15%
- 15.01 - 30%
- 30.01 - 40%
- No areas greater than 40%

Environmental Justice Populations(Census 2000)

- Foreign Born
- Foreign Born, Income, Minority
- Foreign Born, Minority
- Income
- Income, Minority
- Minority

Total % of city population under age 18= 19%

Total % of Environmental Justice Population area under age 18= 18%

Data: Office of Geographic Information (MassGIS),
Commonwealth of Massachusetts Information Technology Division

2,50002,500

Scale In Feet

MAP 2

**CITY OF MEDFORD, MASSACHUSETTS
OPEN SPACE AND RECREATION PLAN**

ENVIRONMENTAL JUSTICE MAP

MAY, 2011SCALE: NOTED

Weston&Sampson®

Zoning Districts Overlay

City of Medford, Massachusetts



City of Medford
Massachusetts
Zoning Districts



Legend

- Zoning Districts**
- C1 - Commercial 1
 - C2 - Commercial 2
 - O - Office
 - I - Industrial
 - MUZ - Mixed Use
 - ROS - Residential Open Space
 - GR - General Residence
 - SF1 - Single Family 1
 - SF2 - Single Family 2
 - APT1 - Apartment 1
 - APT2 - Apartment 2
 - APT3 - Apartment 3
 - Roads
 - Rail Road
 - Hydrology
 - Buildings

0 700 1,400
1 inch = 700 ft

Source:

City of Medford - Roads, Buildings,
Historic Districts, Zoning Districts
MassGIS - Hydrology, Open Space,
Town Boundaries

Coordinate System: NAD 1983 State Plane
Massachusetts Mainland

Disclaimer:

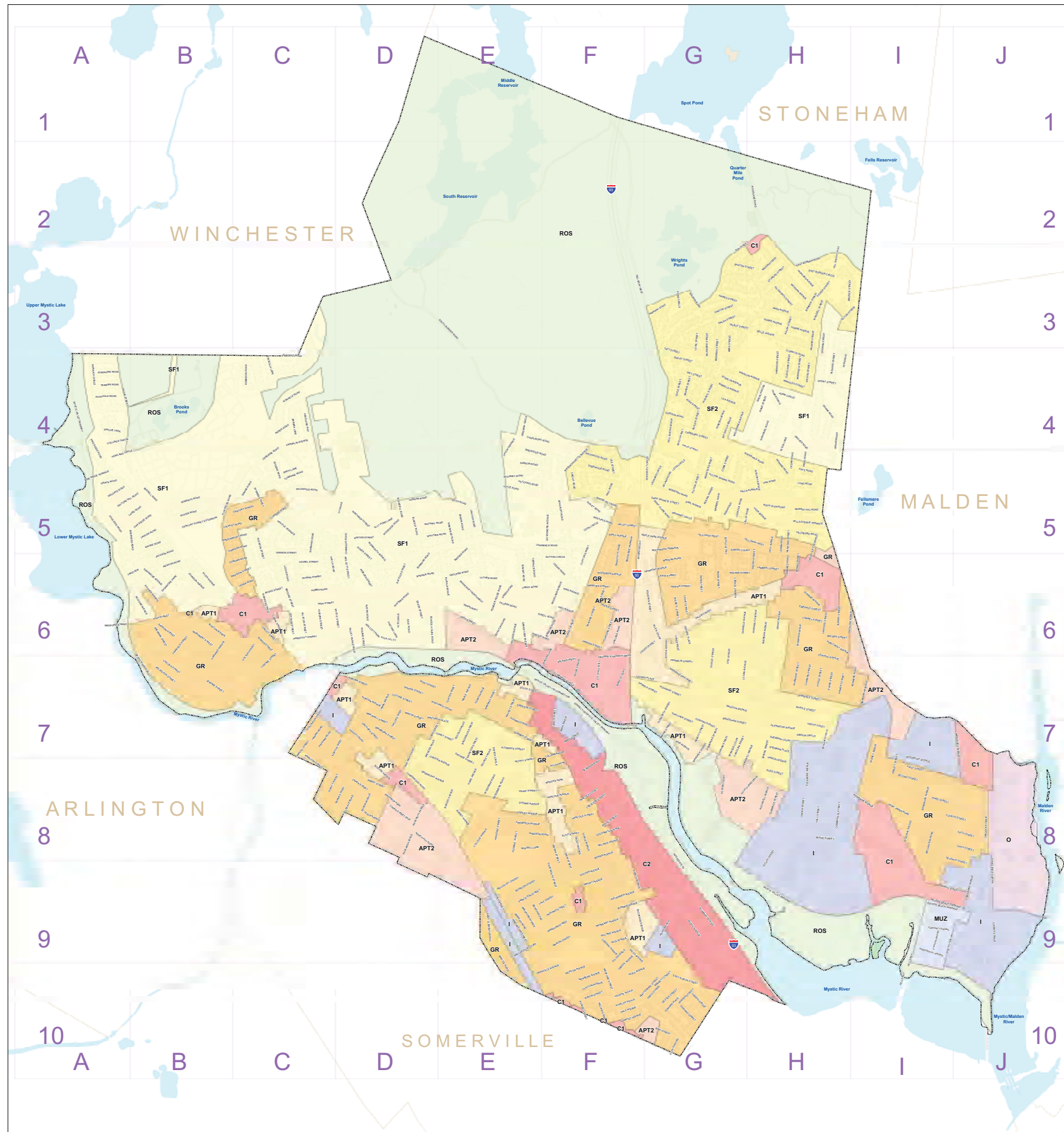
This map represents the best efforts by the
City of Medford and its contractors to
accurately represent the City's features in a
Geographic Information System (GIS)
Database. The City makes no warranties,
promises, or representation expressed or
implied relating to the accuracy of the data.
The City of Medford shall have no liability
for the data or lack thereof, or any decisions
made or action not taken in reliance upon
any of the data.

The GIS and all maps rendered are for
general planning use only.

Contact:

Cassandra Koutalidis, P.E.
City Engineer
City of Medford - Engineering Department
85 George P. Hassett Drive
City Hall Room 300
Medford, MA 02155
Phone: 781-393-2474

Map Created on February 24, 2009



MAP 3

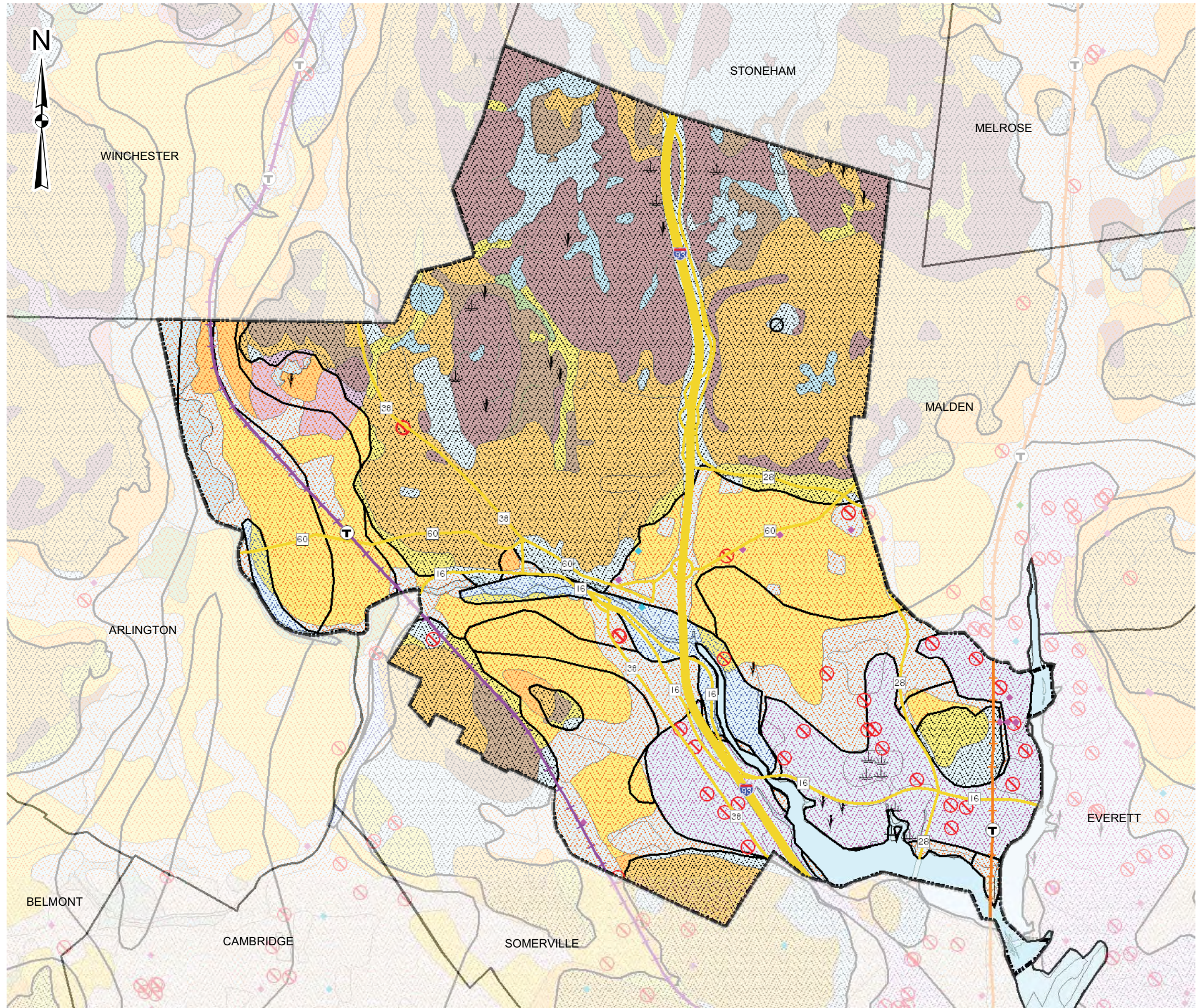
CITY OF MEDFORD, MASSACHUSETTS
OPEN SPACE AND RECREATION PLAN

ZONING MAP

SEPTEMBER 2011

SCALE: NOTED

Weston&Sampson



Legend

- Abutting Boundary
- Medford Boundary
- Haverhill Lines
- Lowell Lines
- Interstate
- State Route
- River, Streams
- Water

Tier Classified Sites-Brownfields(2010)

- Tier 1A
- Tier 1B
- Tier 1C
- Tier 1D
- Tier II
- AUL Sites (2010)

Surficial Geology-1999 (1:250,000)

- Sand & Gravel
- Till or Bedrock
- Sandy Till over Sand
- End Moraine
- Large Sand Deposit
- Fine-Grained Deposit
- Floodplain Alluvium

Prime Farmland Soils (2010)

- All areas are prime farmland
- Farmland of statewide importance
- Farmland of unique importance

Soil Point Features (2010)

- Marsh or swamp
- Rock outcrop
- Wet spot

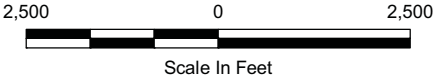
Soil Linear Features (2010)

- Levee
- Gully
- Short, steep slope
- Bedrock
- Other

Soils by Slope (2010)

- None (Water or Urban Land)
- 0-3%
- 3-8%
- 8-15%
- 15-25%
- 25-35%

Data: Office of Geographic Information (MassGIS),
Commonwealth of Massachusetts Information Technology Division



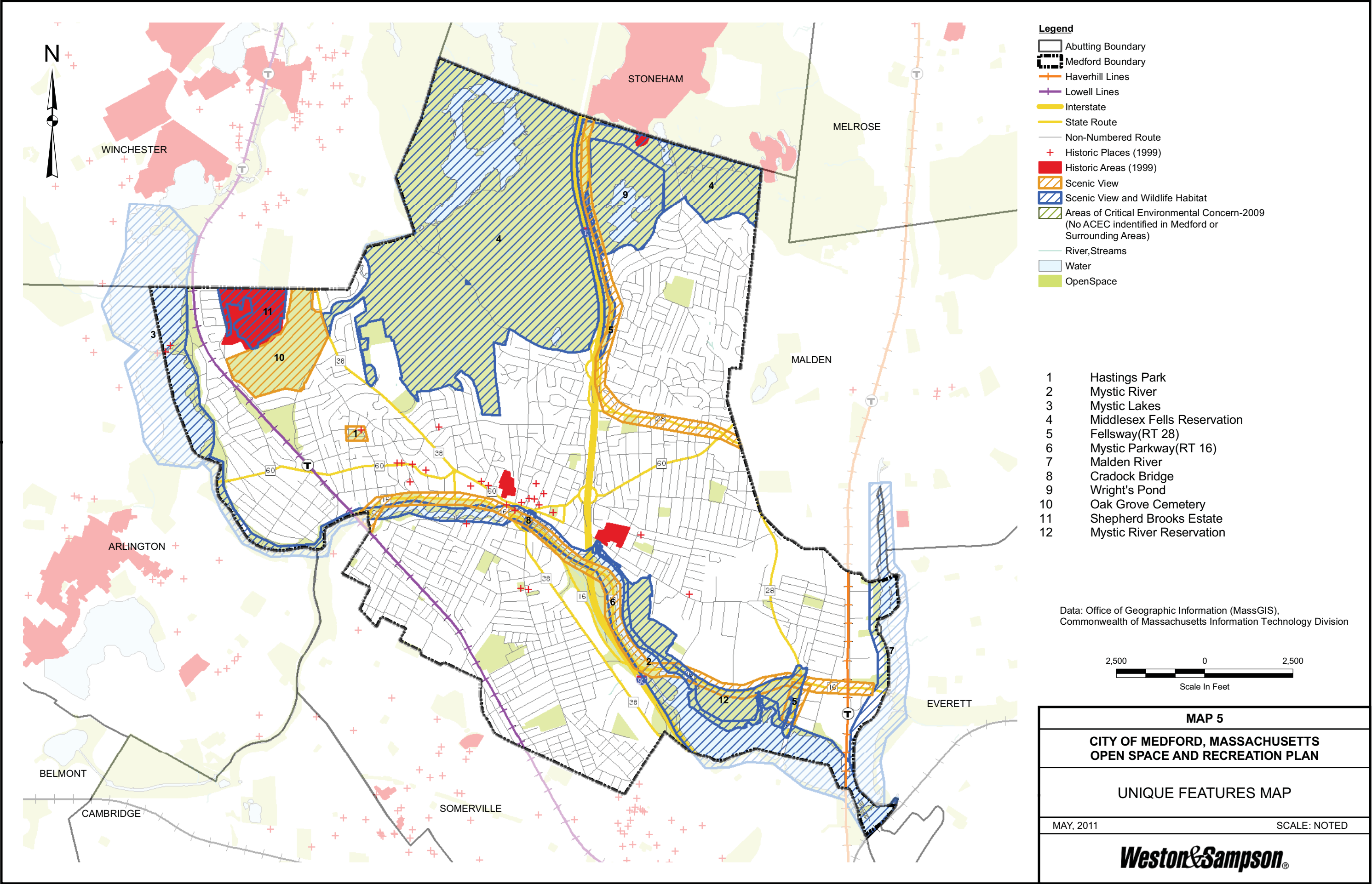
MAP 4

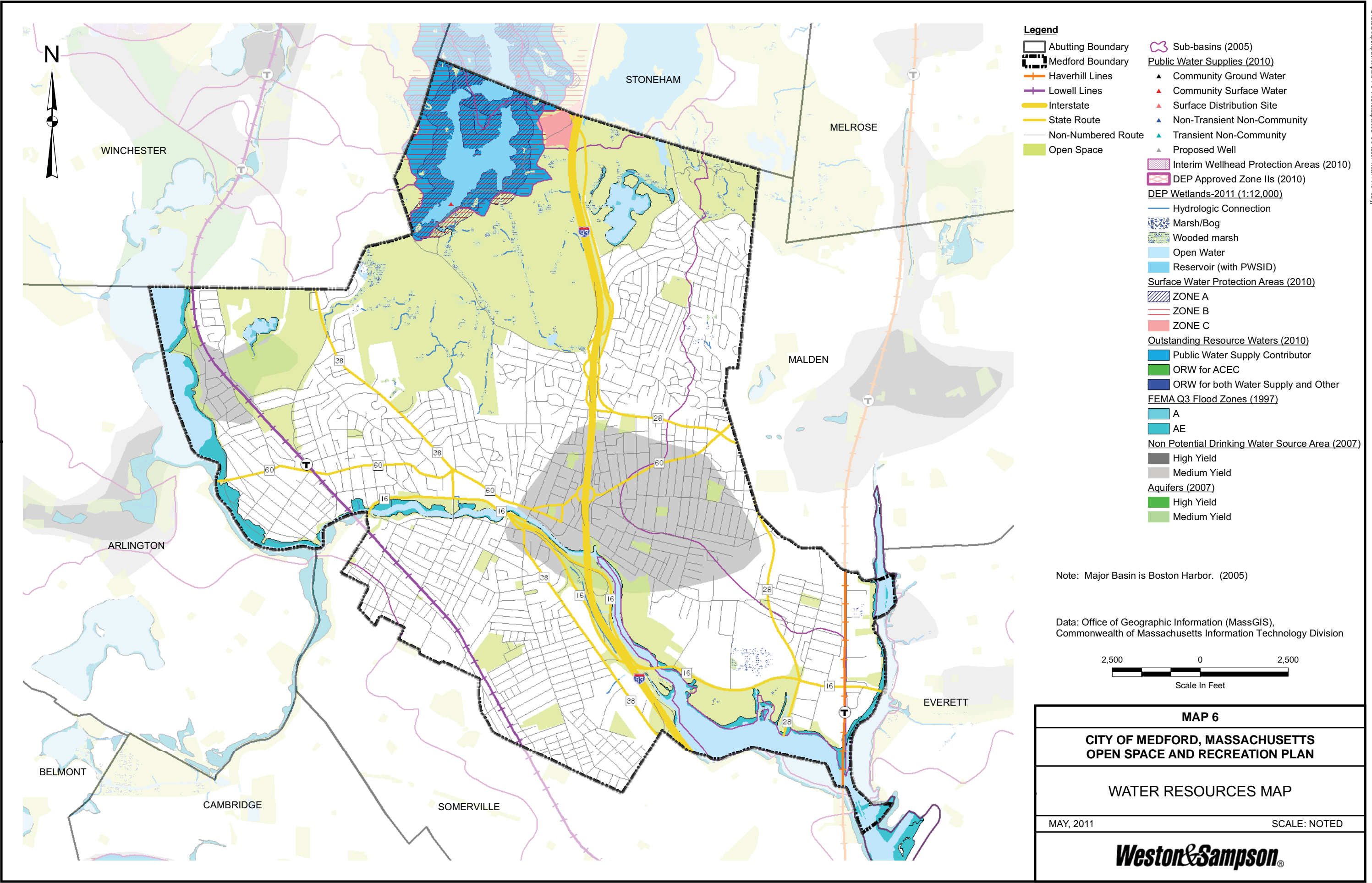
**CITY OF MEDFORD, MASSACHUSETTS
OPEN SPACE AND RECREATION PLAN**

SOILS AND GEOLOGIC FEATURES MAP

MAY, 2011 SCALE: NOTED

Weston&Sampson®

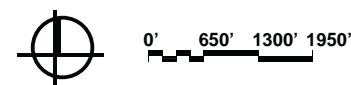
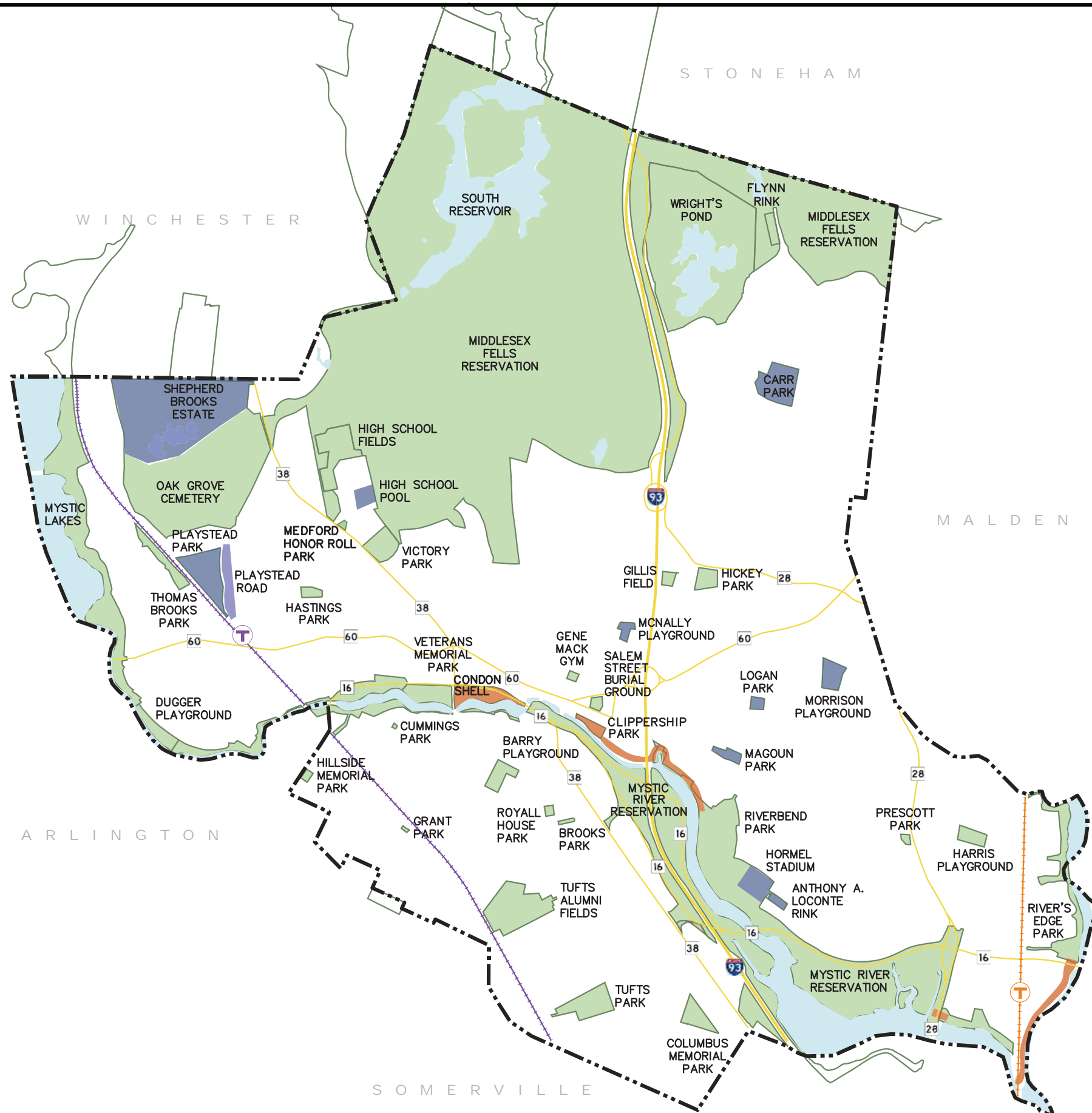






- Legend:**
- Parks and Open Space
 - Medford City Line
 - MBTA Commuter Rail
 - MBTA Orange Line

| | |
|--|--------------|
| MAP 7 | |
| CITY OF MEDFORD, MASSACHUSETTS OPEN SPACE AND RECREATION PLAN | |
| OPEN SPACE INVENTORY MAP | |
| SEPTEMBER 2011 | SCALE: NOTED |
| Weston&Sampson® | |



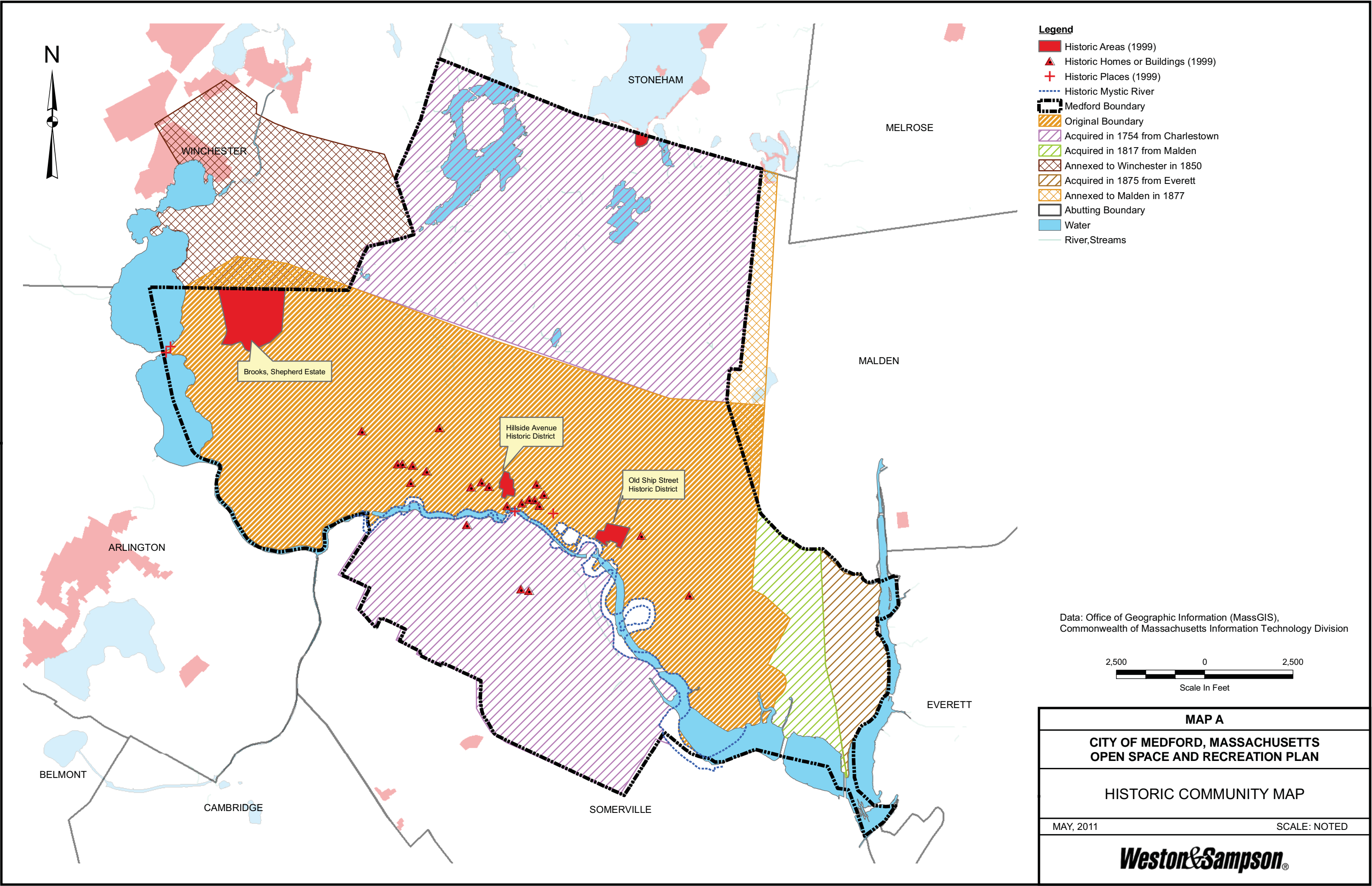
Facility Rehabilitation & Protection Projects

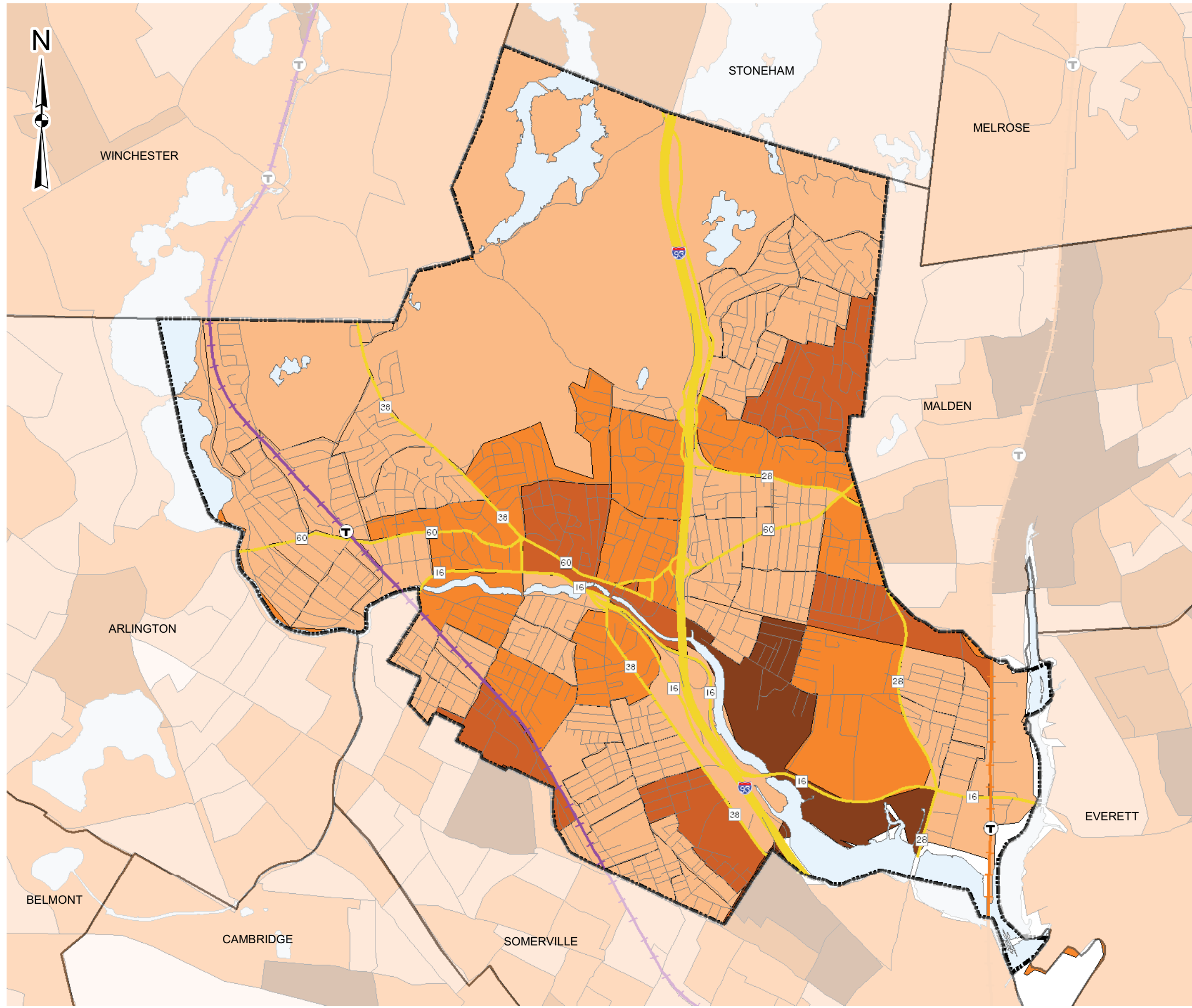
- 2011
 - Hormel Stadium Field improvements
- 2012
 - Medford High School Pool rehabilitation (2012-2013)
 - Continued development of the Brooks Estate (2012-2021)
- 2014
 - McNally Playground - full rehabilitation
 - LoConte Rink recreation facility improvements
 - Carr Park - field lighting
 - Playstead Park - field lighting
 - City-wide various courts improvements
- 2015
 - City-wide irrigation system install/improvements
- 2016
 - Magoun Playground - full rehabilitation
 - Logan Playground - full rehabilitation
 - City-wide various playing field improvements
 - Morrison Playground - park rehabilitation
- 2017
 - Playstead Roadway Improvements (pedestrian/biking connections to Playstead Park)

Acquisitions and Improved Access Projects

- 2012
 - City-Wide Accessibility Improvements (*Locations across Medford, 2012-2018*)
 - Medford Riverwalk Expansion
 - Riverbend Park to Medford Square Riverfront Access Plan
 - Wellington Greenway Project & Fellsway Pedestrian Bridge Connection (*2012-2018*)
 - Establish Off-leash recreational areas for dogs (*Locations to be assessed across Medford*)
- 2013
 - Establish Water Taxi System: Phase 1 Water taxi, first dock, and related improvements (Clippership Park/Condon Shell)
 - Establish additional Community Gardens (*Locations to be assessed across Medford*)
- 2016
 - Establish Water Taxi System: Phase 2

| MAP 8 | |
|--|--------------|
| CITY OF MEDFORD, MASSACHUSETTS OPEN SPACE AND RECREATION PLAN | |
| ACTION PLAN MAP | |
| SEPTEMBER 2011 | SCALE: NOTED |
| Weston&Sampson® | |





Legend

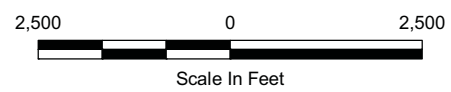
- Abutting Boundary
- Medford Boundary
- Haverhill Lines
- Lowell Lines
- Interstate
- State Route
- Non-Numbered Route
- Water

Census 2000

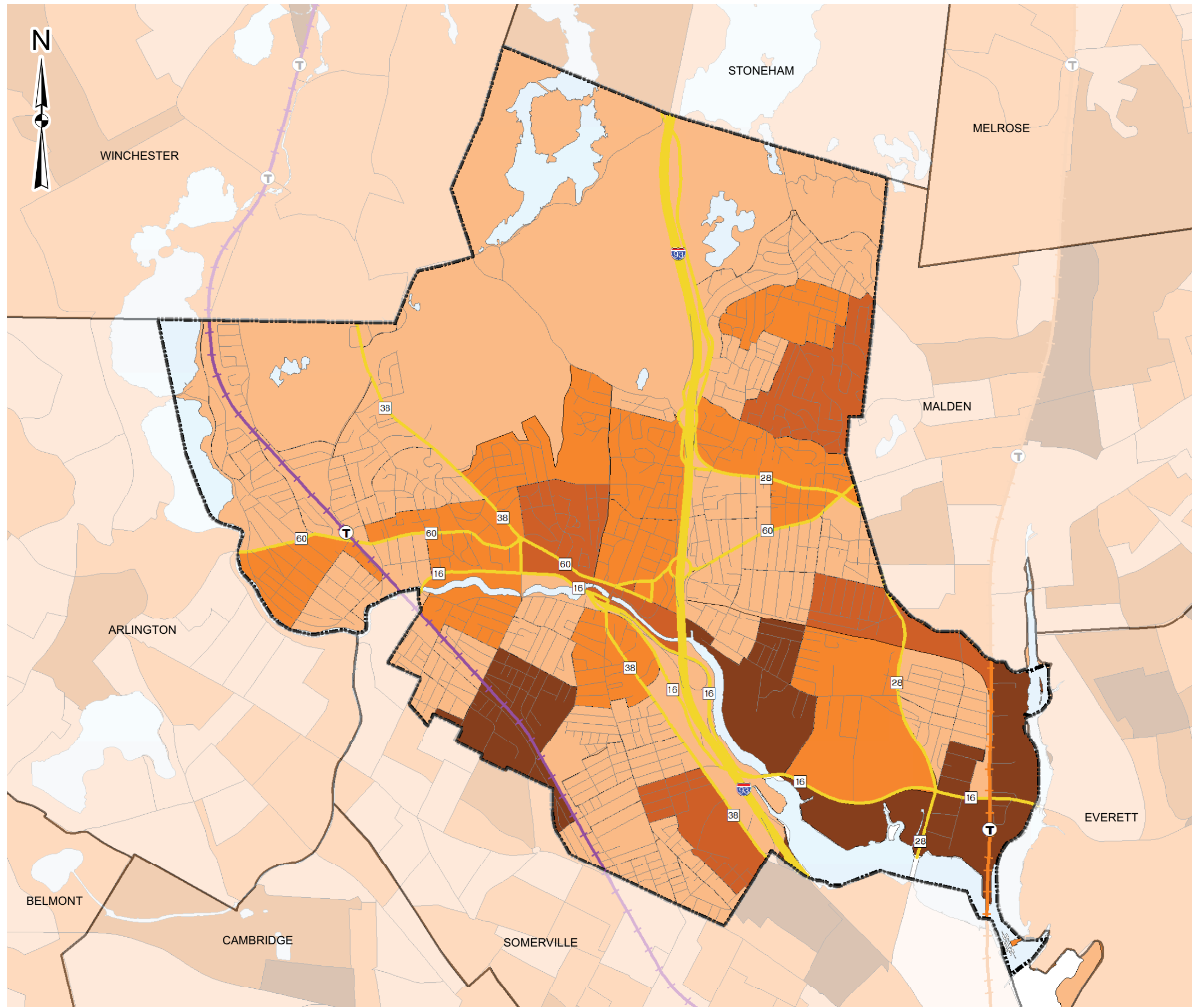
Total Population=55765

- 0 - 500 people
- 501 - 1000 people
- 1001 - 1500 people
- 1501 - 2000 people
- More than 2000 people

Data: Office of Geographic Information (MassGIS),
Commonwealth of Massachusetts Information Technology Division



| | |
|--|--------------|
| MAP B | |
| CITY OF MEDFORD, MASSACHUSETTS OPEN SPACE AND RECREATION PLAN | |
| POPULATION CHARACTERISTICS MAP | |
| MAY, 2011 | SCALE: NOTED |
| Weston&Sampson® | |



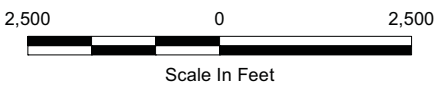
Legend

- Abutting Boundary
- Medford Boundary
- Haverhill Lines
- Lowell Lines
- Interstate
- State Route
- Non-Numbered Route
- Water

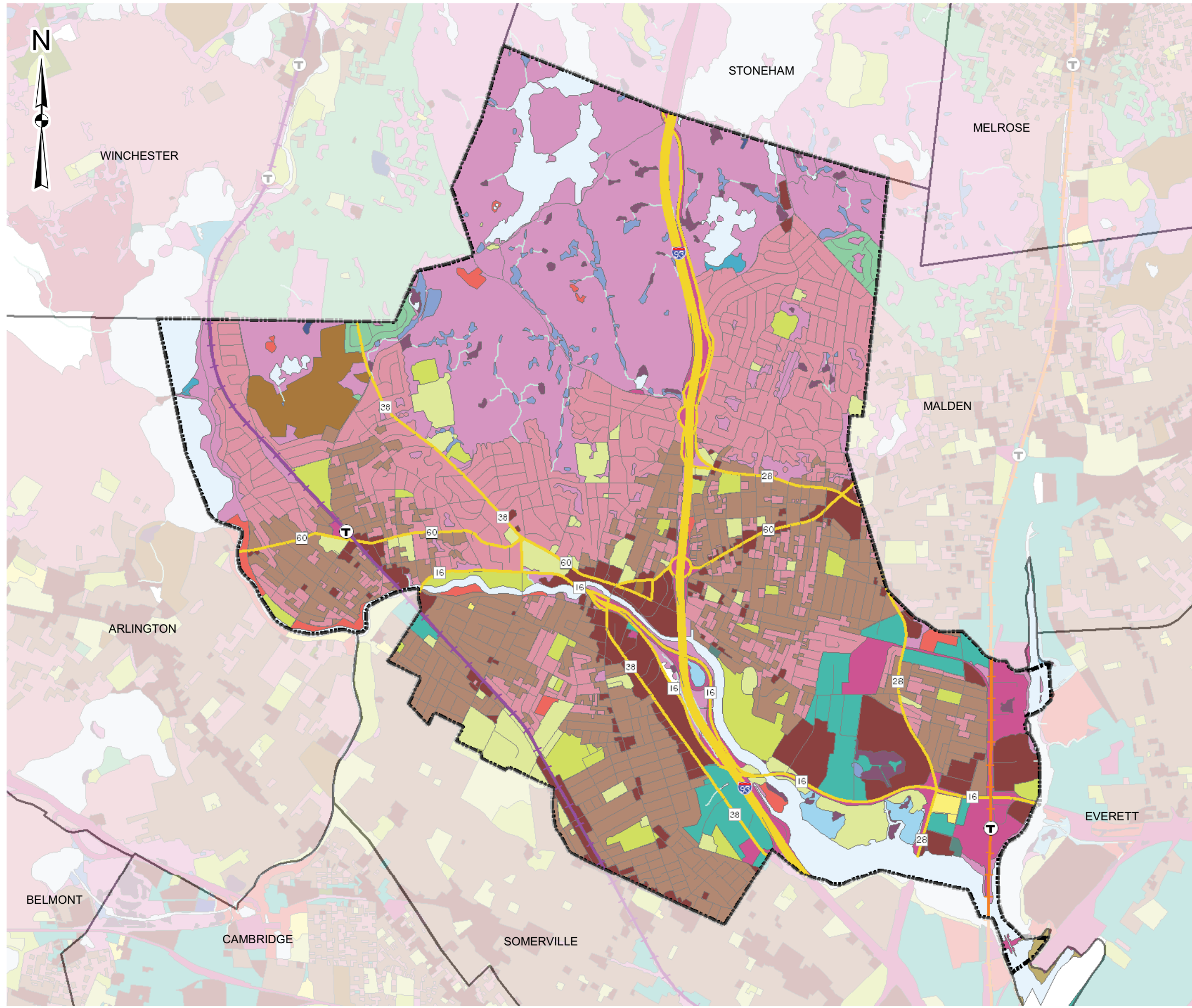
Census 2010 (DRAFT)
Total Population=56,173

- 0 - 500 people
- 501 - 1000 people
- 1001 - 1500 people
- 1501 - 2000 people
- More than 2000 people

Data: Office of Geographic Information (MassGIS),
Commonwealth of Massachusetts Information Technology Division

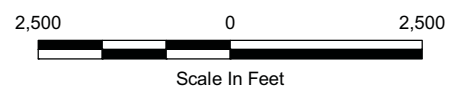


| | |
|--|--------------|
| MAP B-1 | |
| CITY OF MEDFORD, MASSACHUSETTS OPEN SPACE AND RECREATION PLAN | |
| POPULATION CHARACTERISTICS MAP (MassGIS DRAFT MAP OF 2010 DATA) | |
| FEBRUARY, 2012 | SCALE: NOTED |
| Weston&Sampson® | |

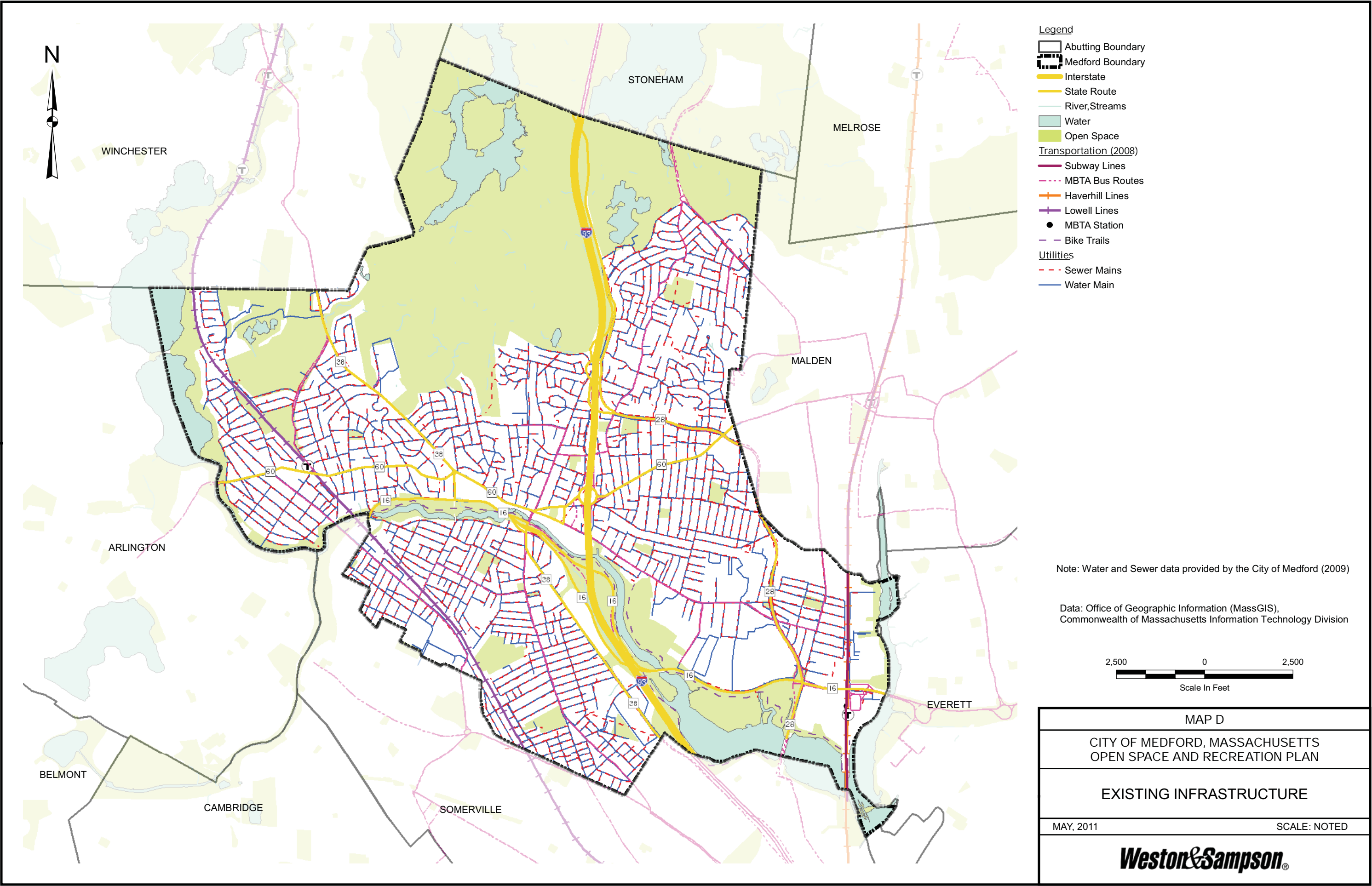


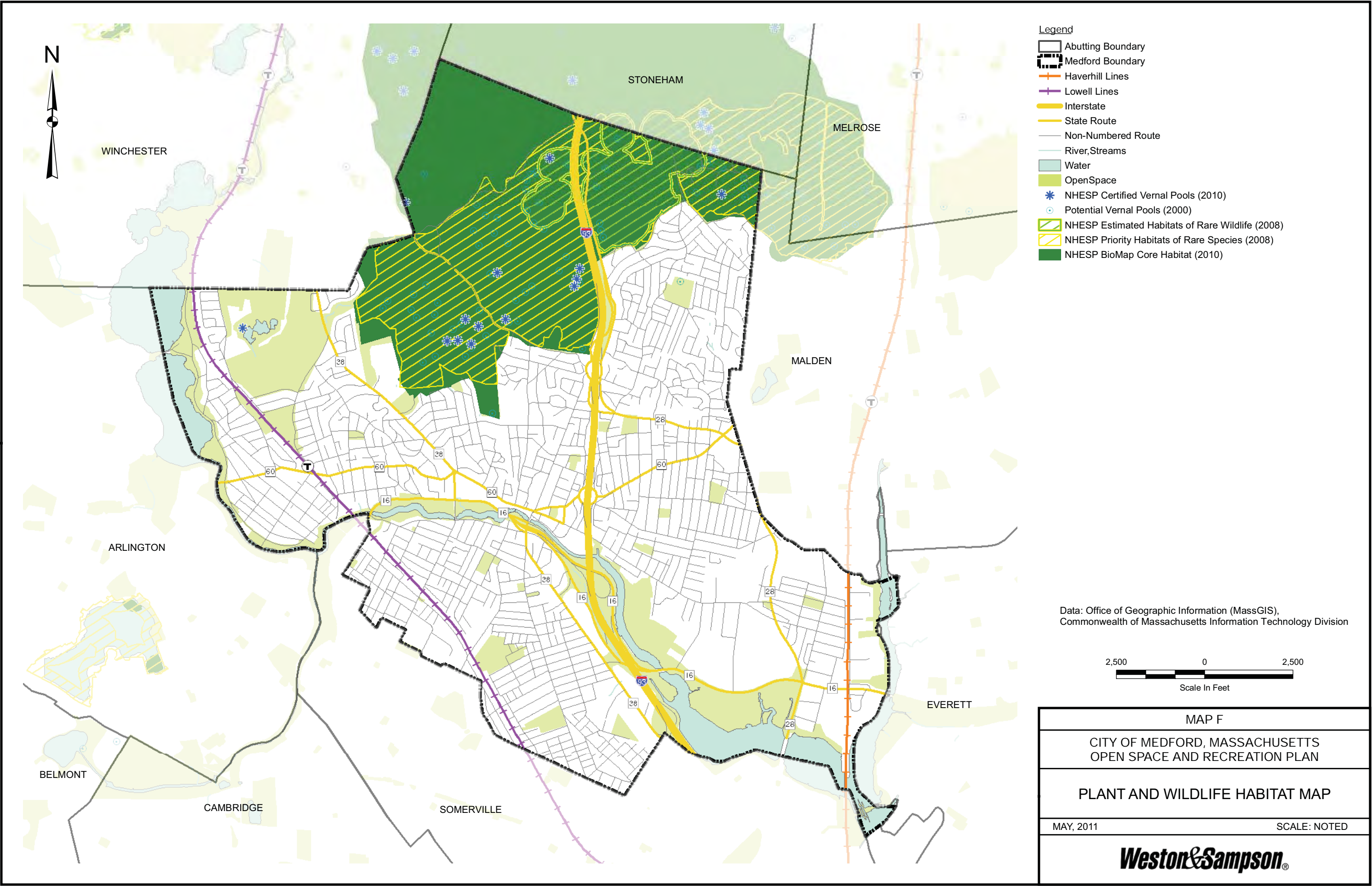
- Legend**
- | | |
|--------------------|------------------------------|
| Abutting Boundary | Land Use (2005) |
| Medford Boundary | Brushland/Successional |
| Haverhill Lines | Cemetery |
| Lowell Lines | Commercial |
| Interstate | Cranberry Bog |
| State Route | Forest |
| Non-Numbered Route | Forested Wetland |
| River, Streams | High Density Residential |
| | Industrial |
| | Low Density Residential |
| | Marina |
| | Medium Density Residential |
| | Multi-Family Residential |
| | Non-Forested Wetland |
| | Nursery |
| | Open Land |
| | Orchard |
| | Participation Recreation |
| | Pasture |
| | Powerline/Utility |
| | Saltwater Sandy Beach |
| | Spectator Recreation |
| | Transitional |
| | Transportation |
| | Urban Public/Institutional |
| | Very Low Density Residential |
| | Waste Disposal |
| | Water |
| | Water-Based Recreation |

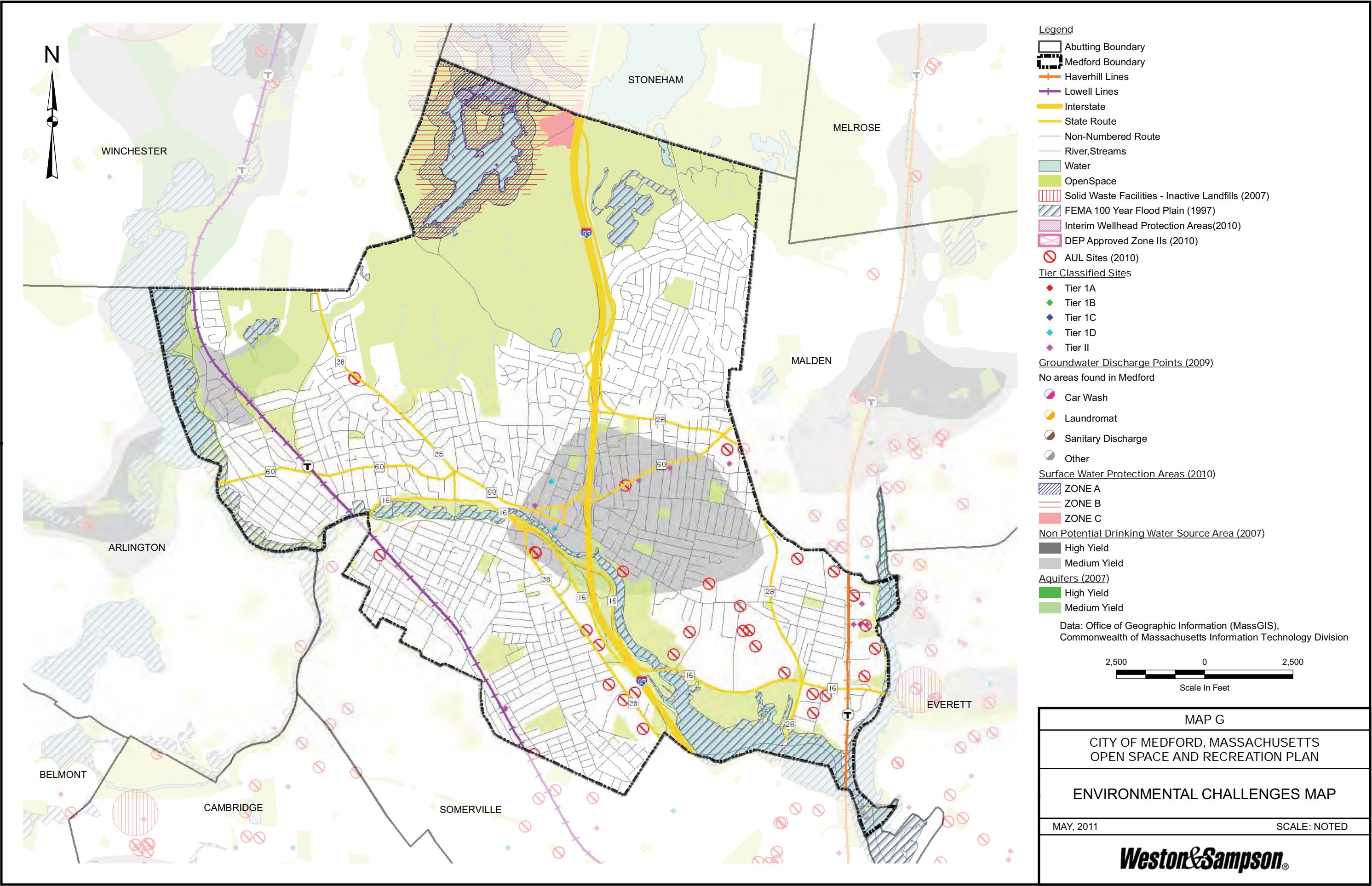
Data: Office of Geographic Information (MassGIS),
Commonwealth of Massachusetts Information Technology Division



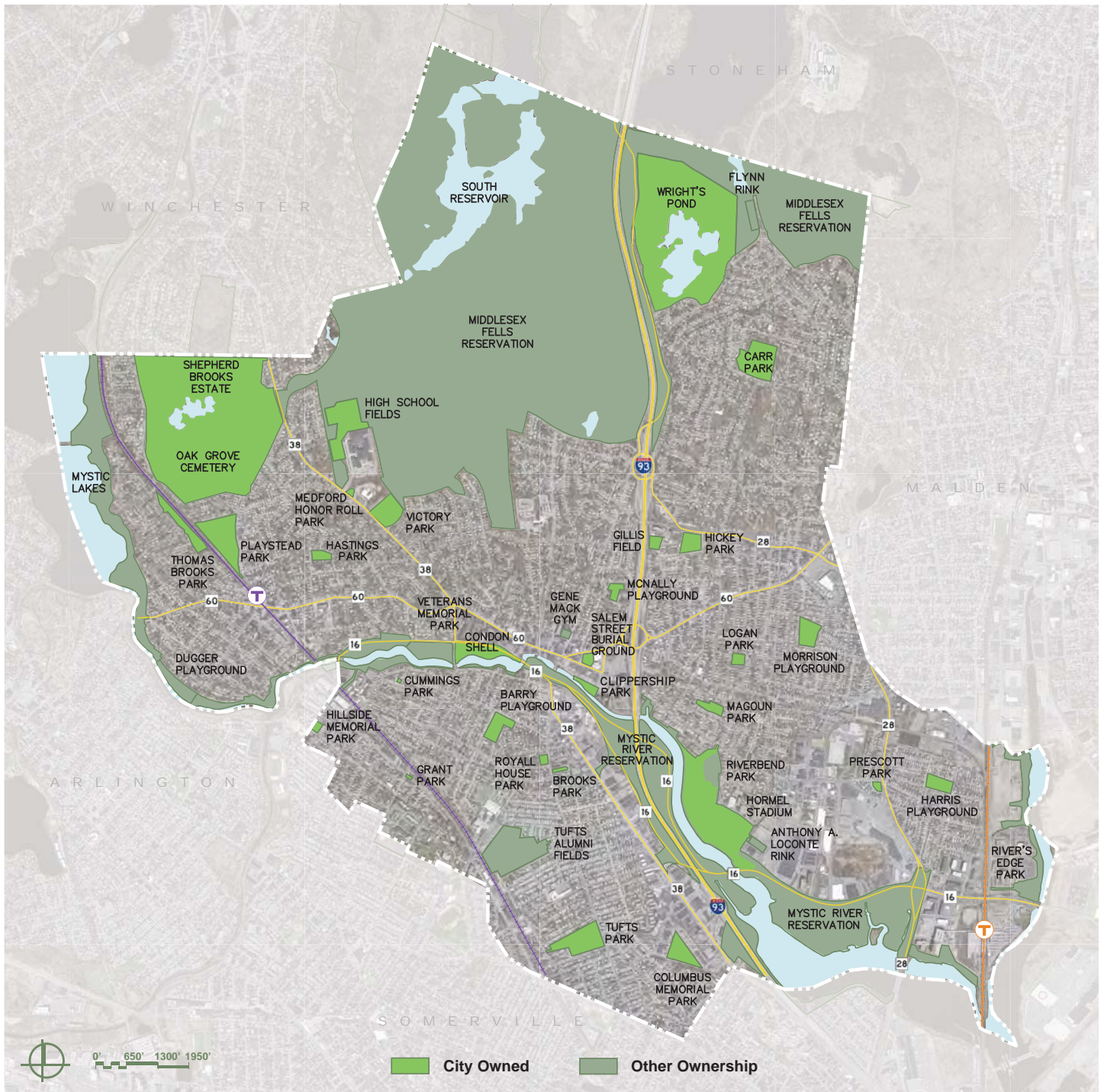
| | |
|--|--------------|
| MAP C | |
| CITY OF MEDFORD, MASSACHUSETTS OPEN SPACE AND RECREATION PLAN | |
| CURRENT LAND USE | |
| MAY, 2011 | SCALE: NOTED |
| Weston&Sampson® | |







CITY OF MEDFORD
OPEN SPACE OWNERSHIP
Supplementary Map 1



CITY OF MEDFORD

OPEN SPACE TYPES & DISTRIBUTION

Supplementary Map 2



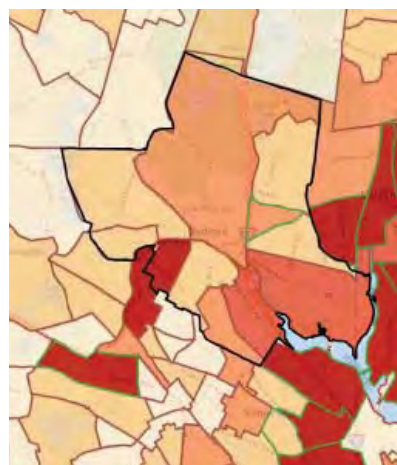
CITY OF MEDFORD INCOME DISTRIBUTION MAPS

Supplementary Map 3



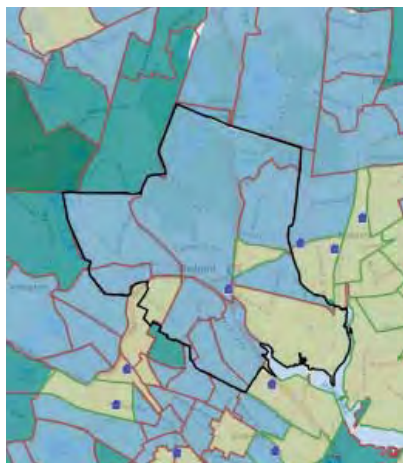
Census Tract

Medford Census Tracts



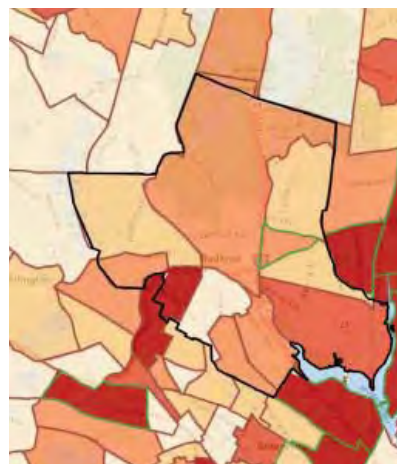
0-30%
30-40%
40-45%
45-50%
Over 50%
Census Tract
Low-Moderate
Census Tract

Percent Moderate Income
(80% of median)



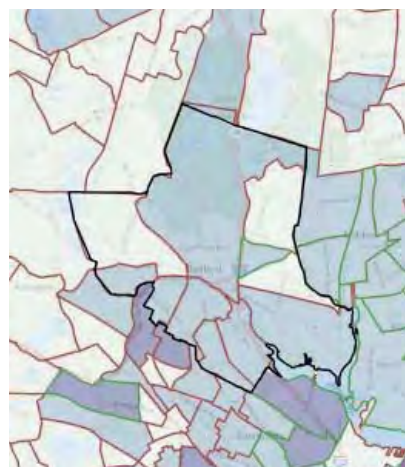
<\$37,719
\$37,719-\$60,398
\$60,398-\$91,449
\$91,449 - \$151,632
>\$151,632
Census Tract
Low-Moderate
Census Tract
Public Housing
Development

Median Household Income



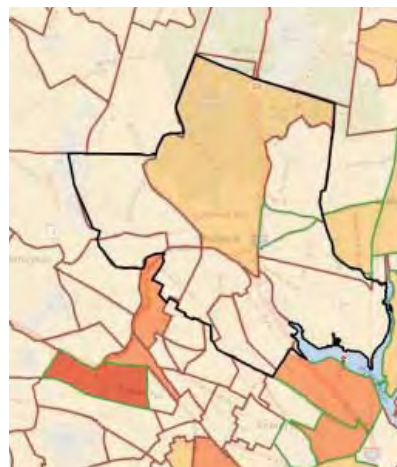
<20%
20-25%
25-30%
30-35%
>35%
Census Tract
Low-Moderate
Census Tract

Percent Low Income
(50% of median)



<7.09% Poverty
7.09-19.33% Poverty
19.33-36.5% Poverty
36.5-65.38% Poverty
>65.38% Poverty
Census Tract
Low-Moderate
Census Tract

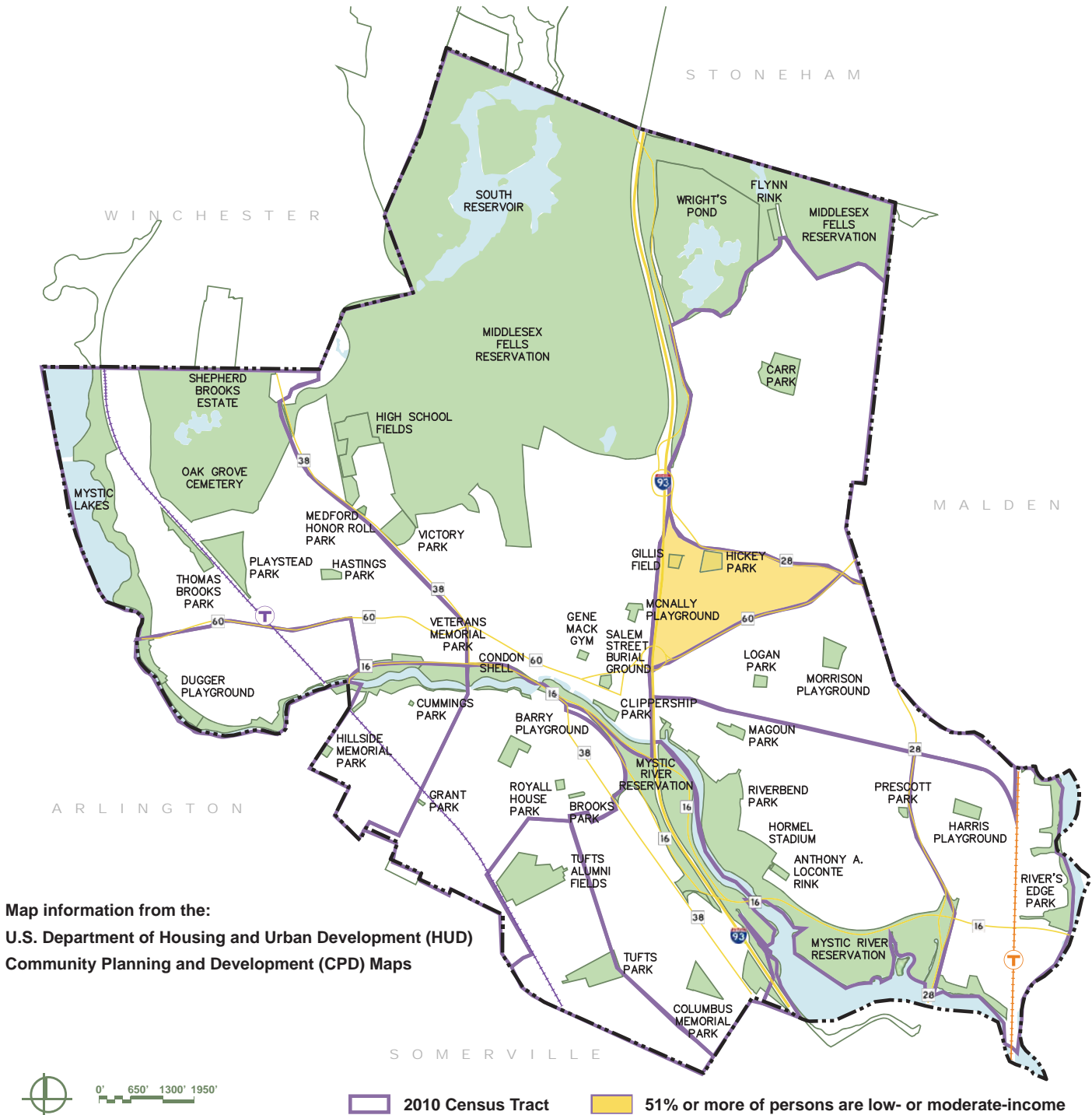
Poverty Rate



<20%
20-25%
25-30%
30-35%
>35%
Census Tract
Low-Moderate
Census Tract

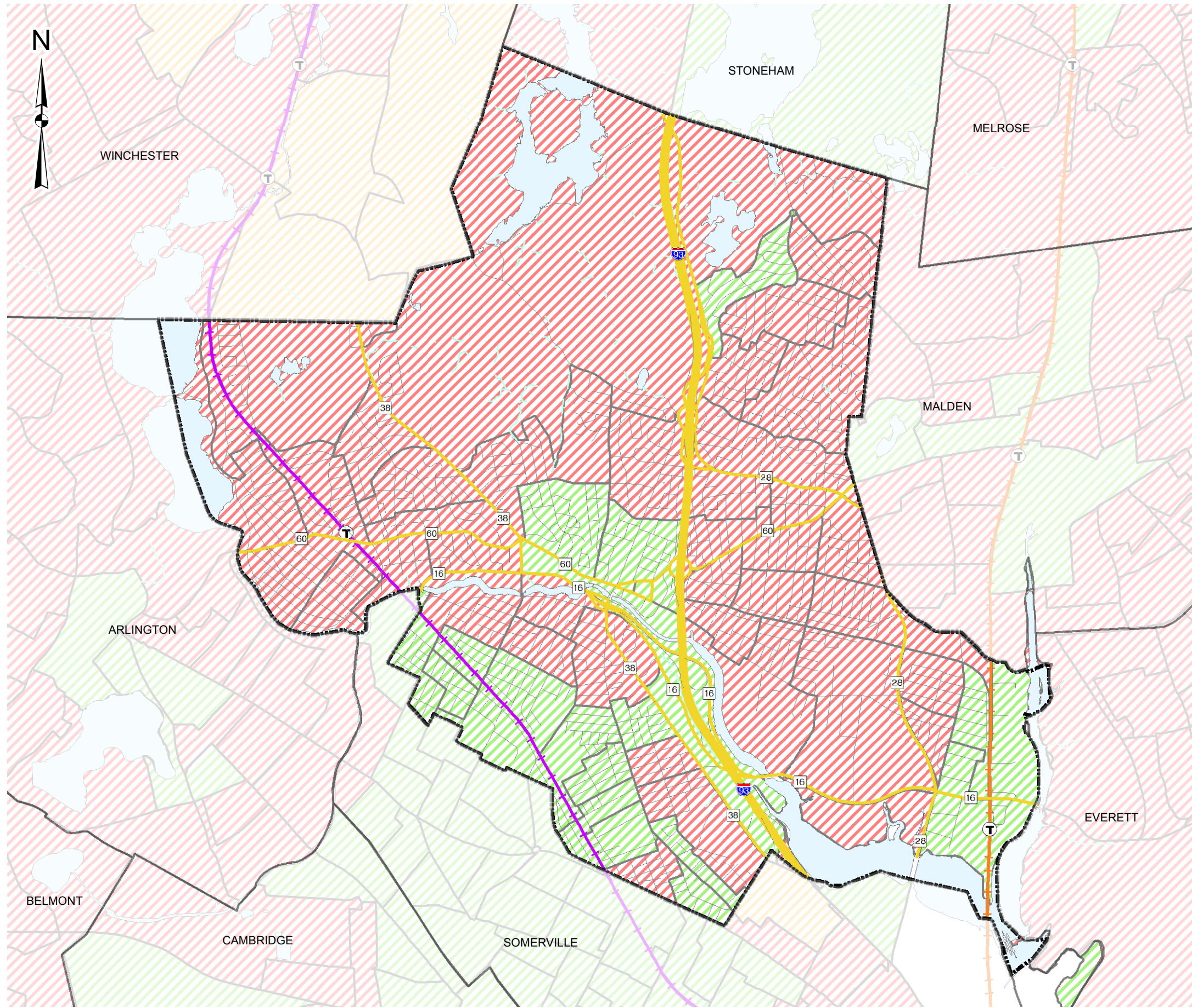
Percent Extremely Low Income
(30% of median)

CITY OF MEDFORD
HUD Low-Moderate Income Census Tracts
Supplementary Map 4



** HUD CPD Maps are currently based on data from the American Community Survey 2005-2009. A low-income person is defined as an individual or a member of a family whose income is no more than 50% of the area median income (AMI); a moderate-income person is defined as an individual or a member of a family whose income is between 50-80% of AMI).*

** From the HUD CPD Maps Glossary: "CPD Maps is not intended to be used to calculate whether the service area of a specific activity meets CDBG program requirements regarding the low- and moderate-income benefit national objective. Grantees should continue to follow the guidance provided by the CPD Office of Block Grant Assistance at <http://www.hud.gov/offices/cpd/systems/census/lowmod/>."*



Legend

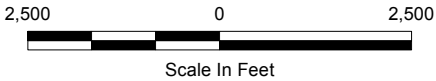
- Abutting Boundary
- Medford Boundary
- Interstate
- State Route
- Non-Numbered Route
- Haverhill Lines
- Lowell Lines
- River, Streams
- Water

% of population under age 18(Census 2010) DRAFT DATA

- 0 - 15%
- 15.01 - 30%
- 30.01 - 40%

Total % of city population under age 18= 16.8%

Data: Office of Geographic Information (MassGIS),
Commonwealth of Massachusetts Information Technology Division

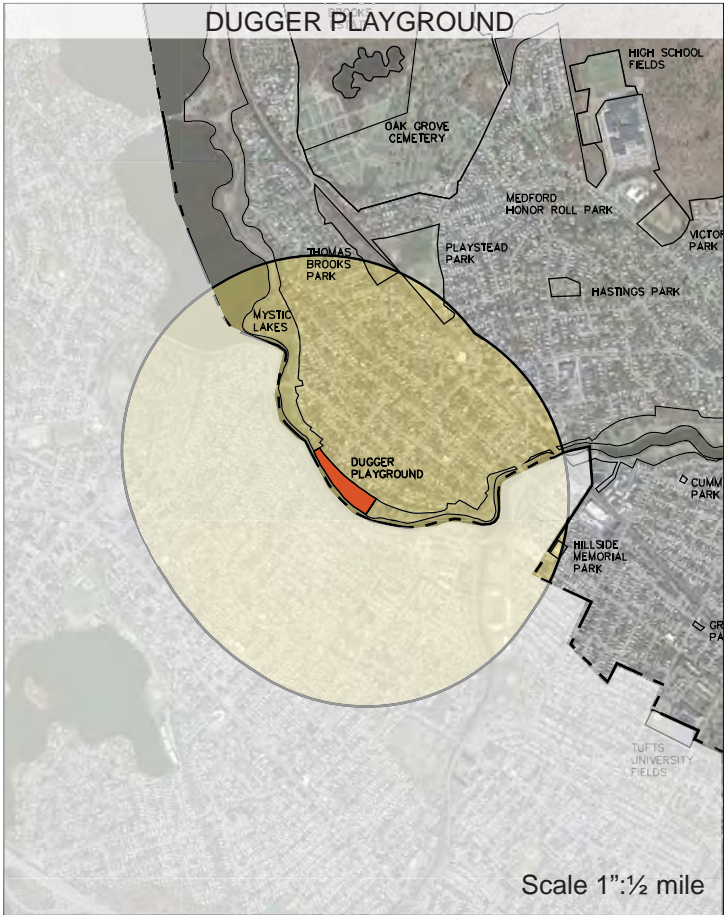
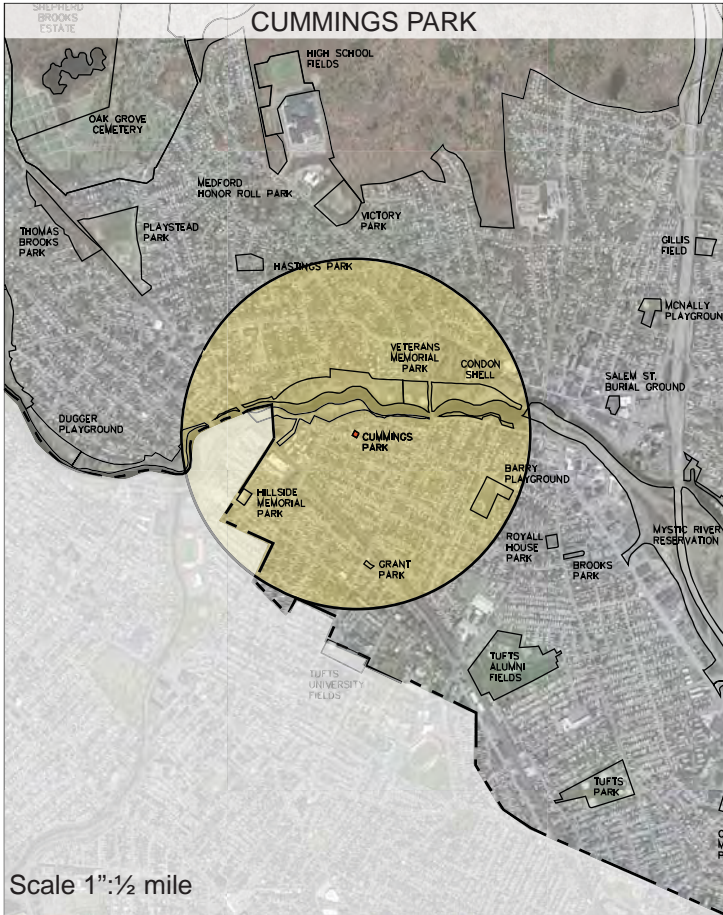
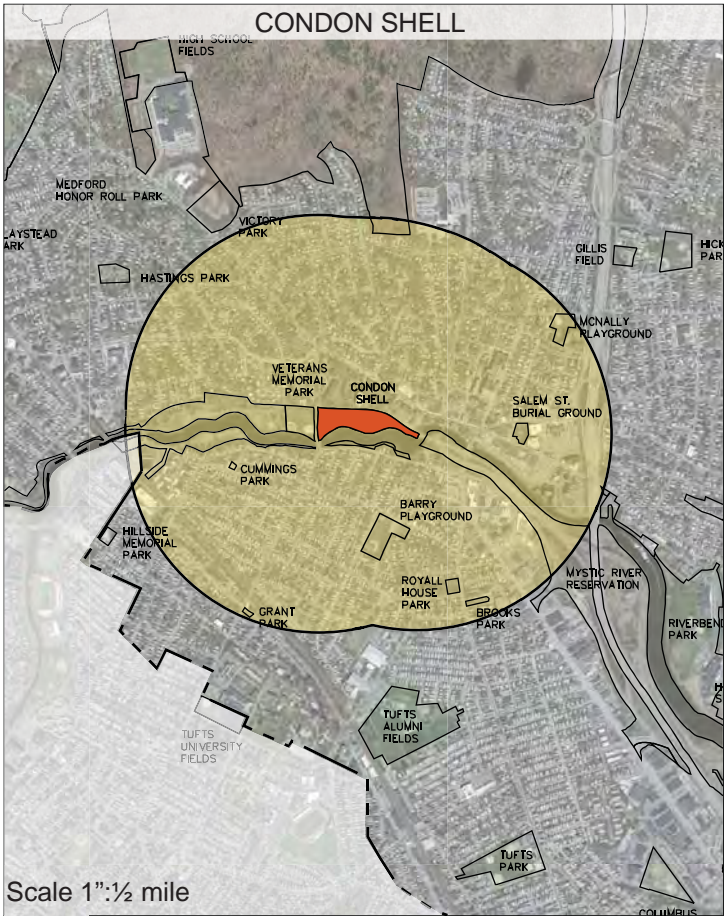


| | |
|---|--------------|
| SUPPLEMENTAL MAP 5 | |
| CITY OF MEDFORD, MASSACHUSETTS OPEN SPACE AND RECREATION PLAN | |
| PERCENTAGE OF POPULATION UNDER AGE 18 (2010 CENSUS DRAFT DATA) | |
| FEBRUARY, 2012 | SCALE: NOTED |
| Weston&Sampson® | |

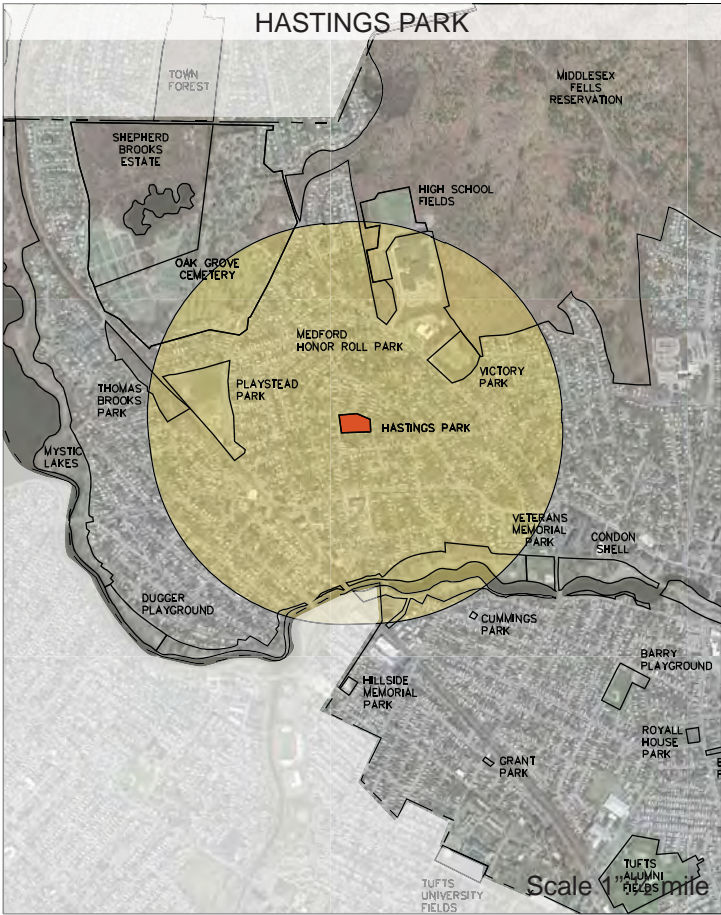
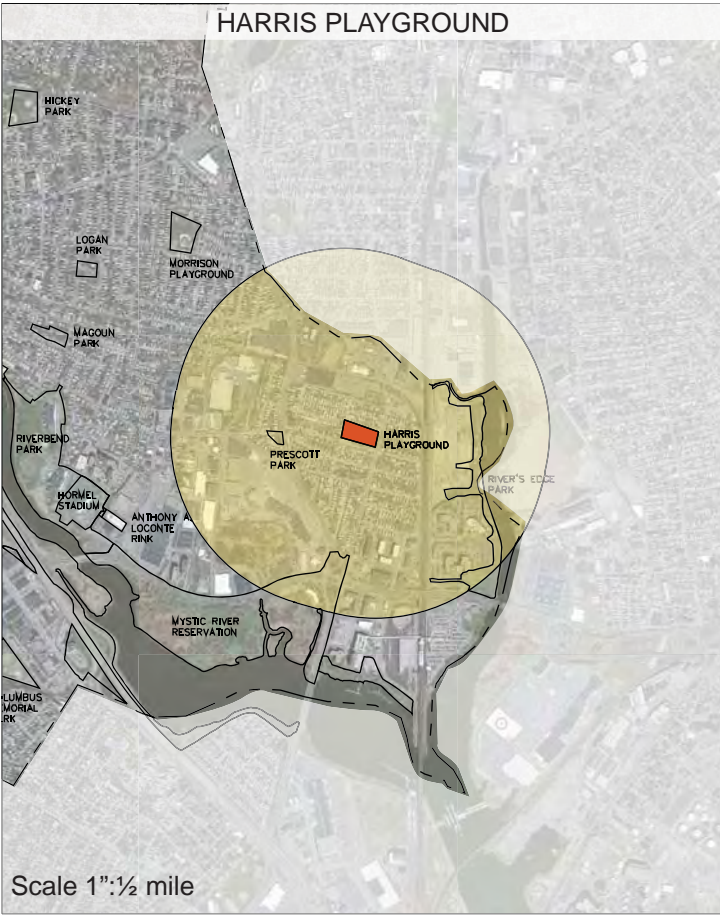
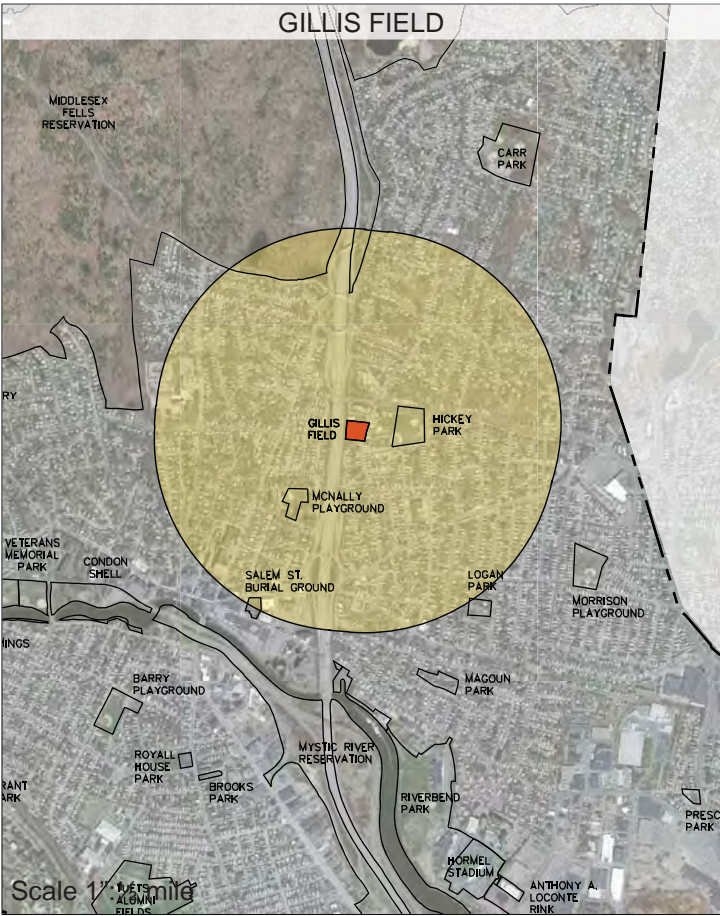
HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE



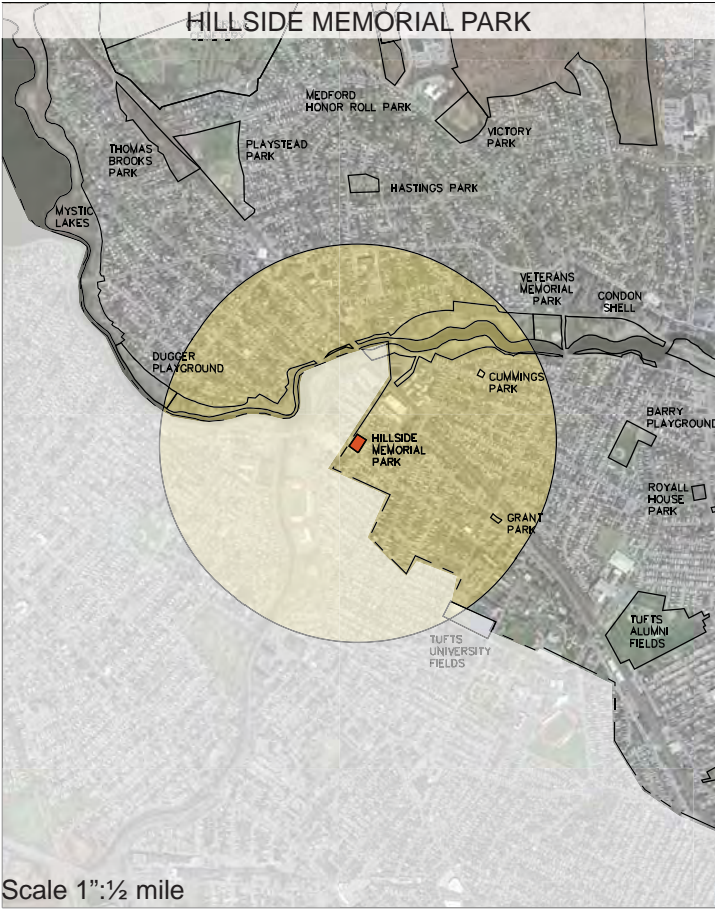
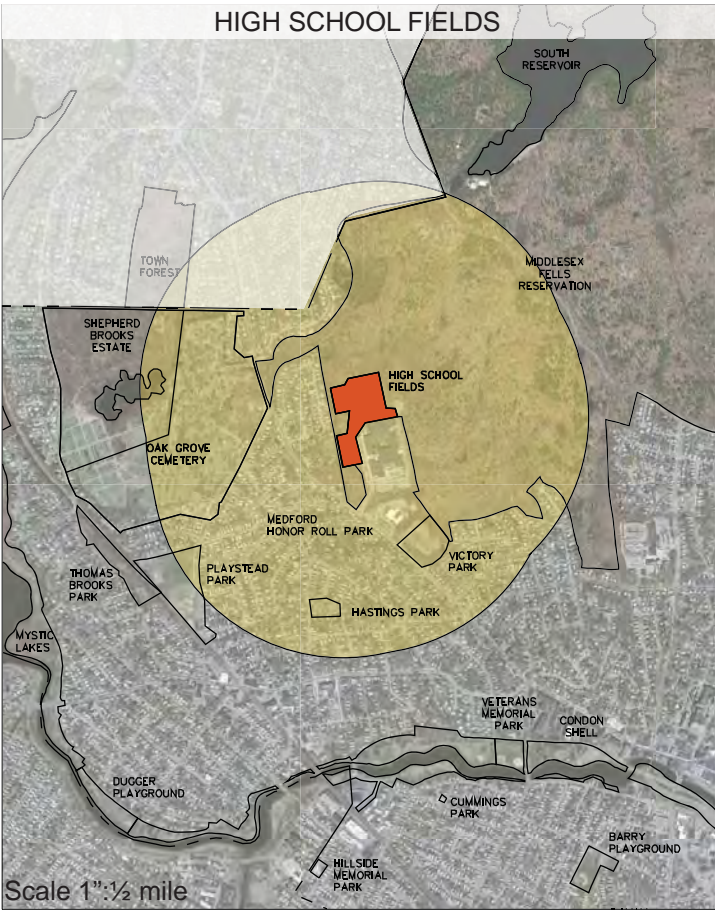
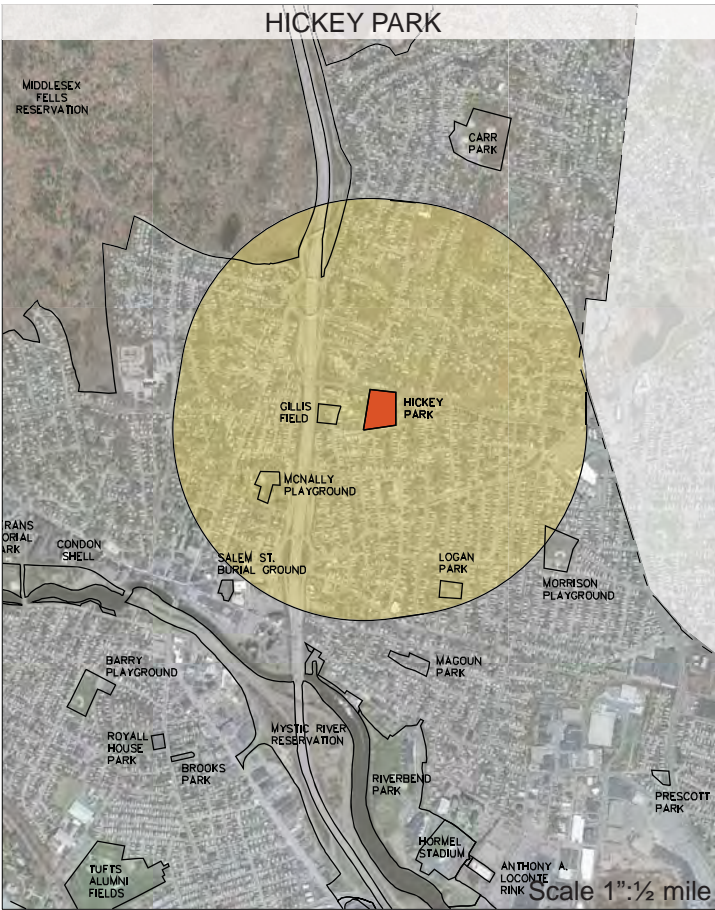
HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE



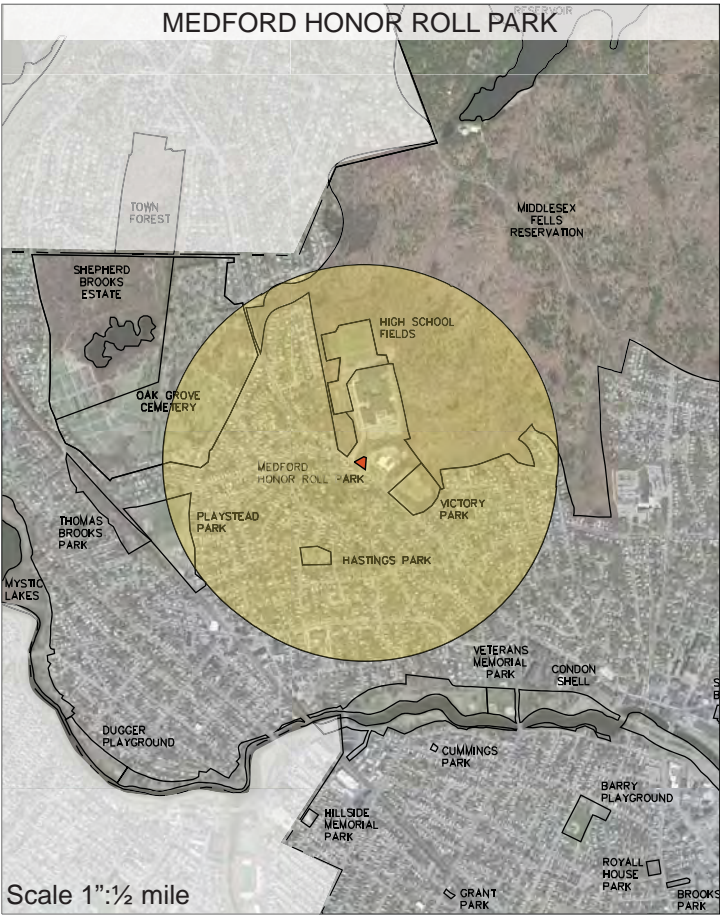
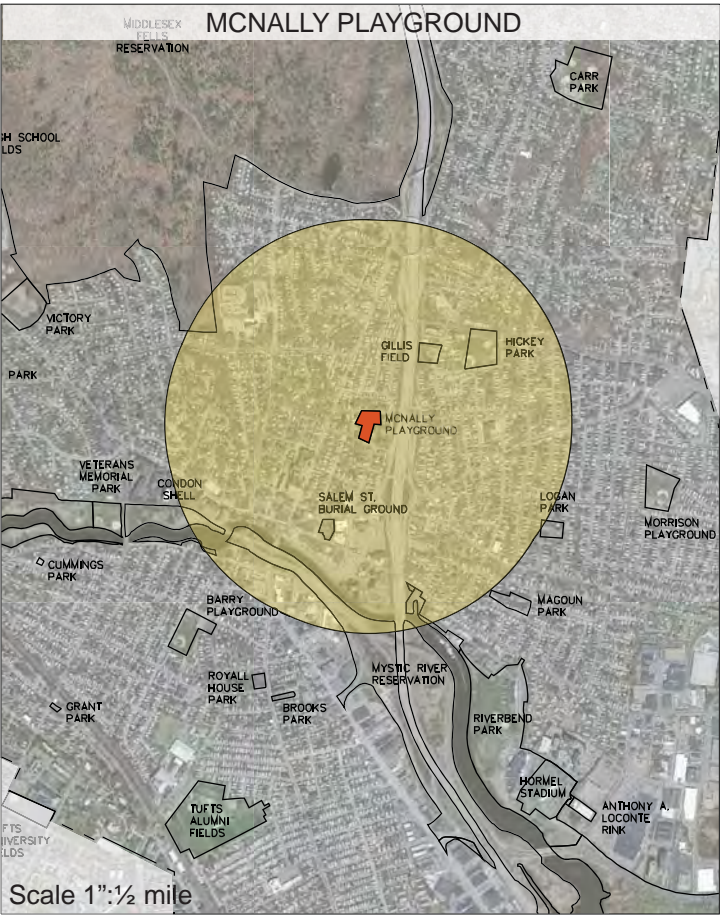
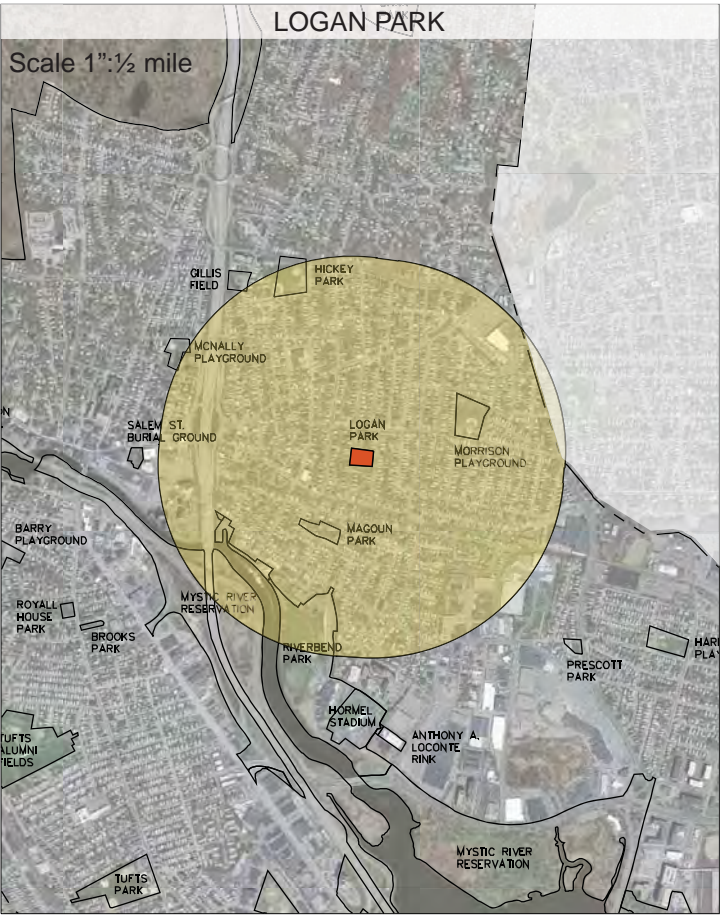
HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE



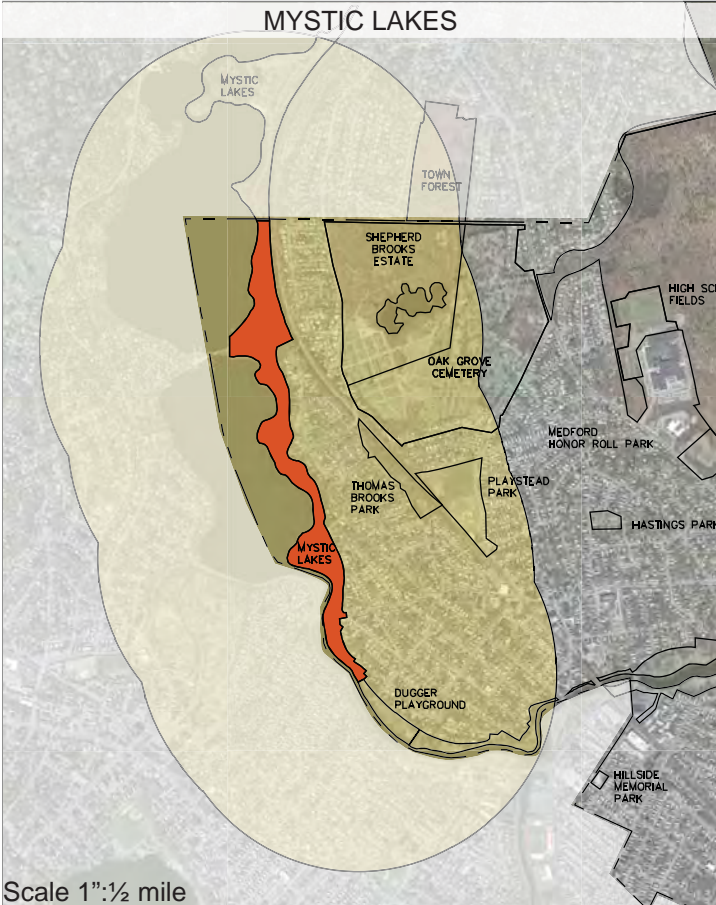
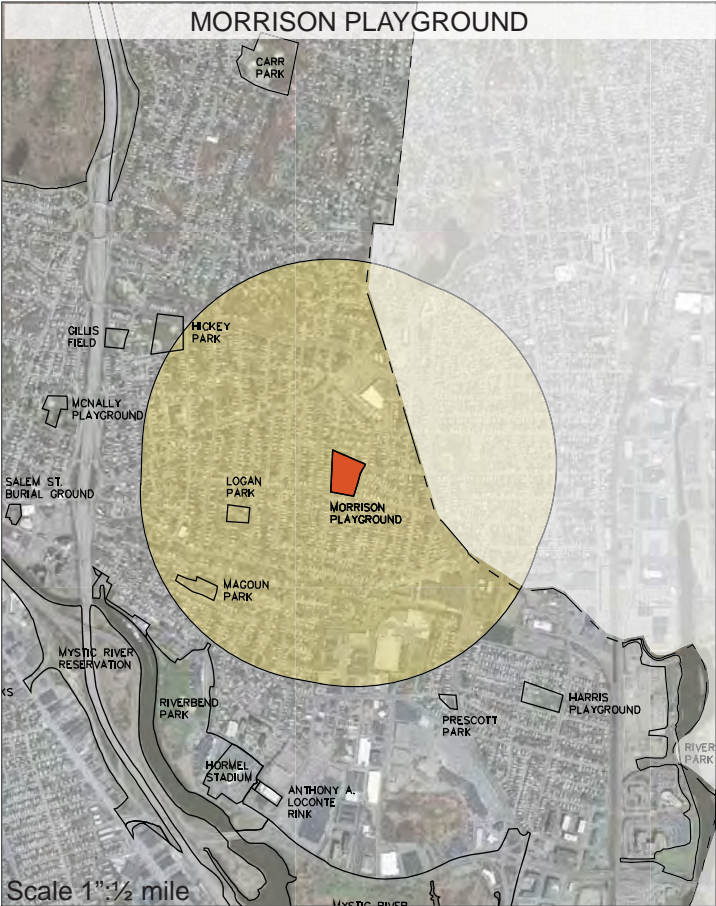
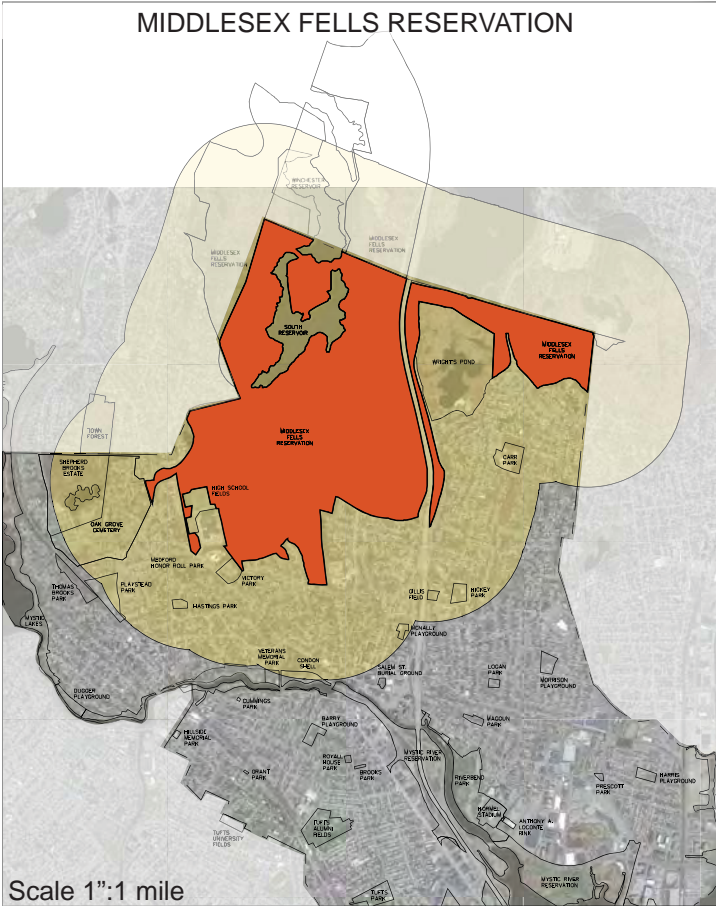
HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE



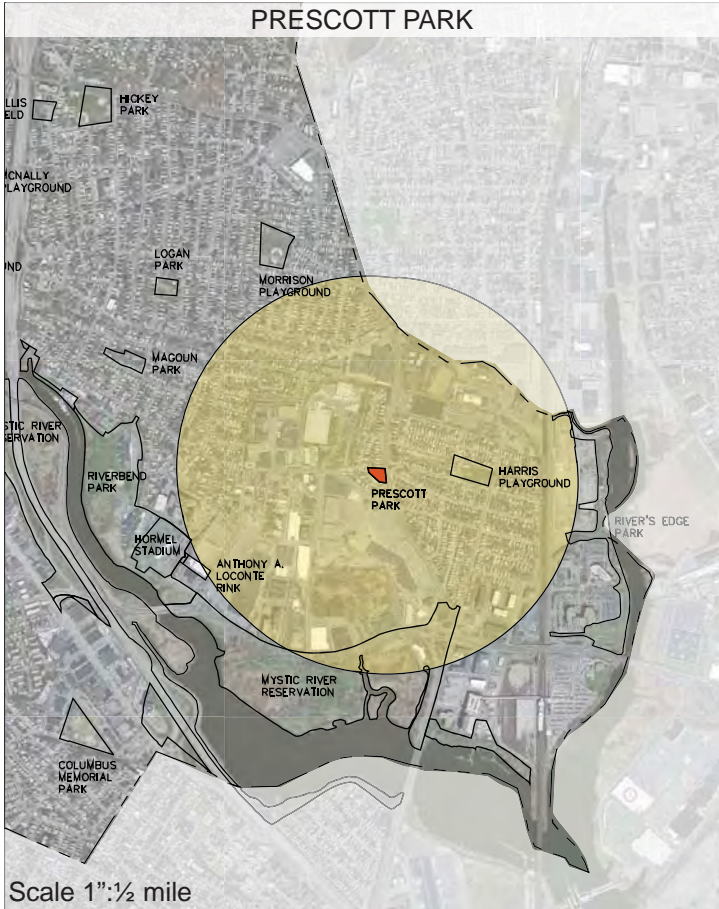
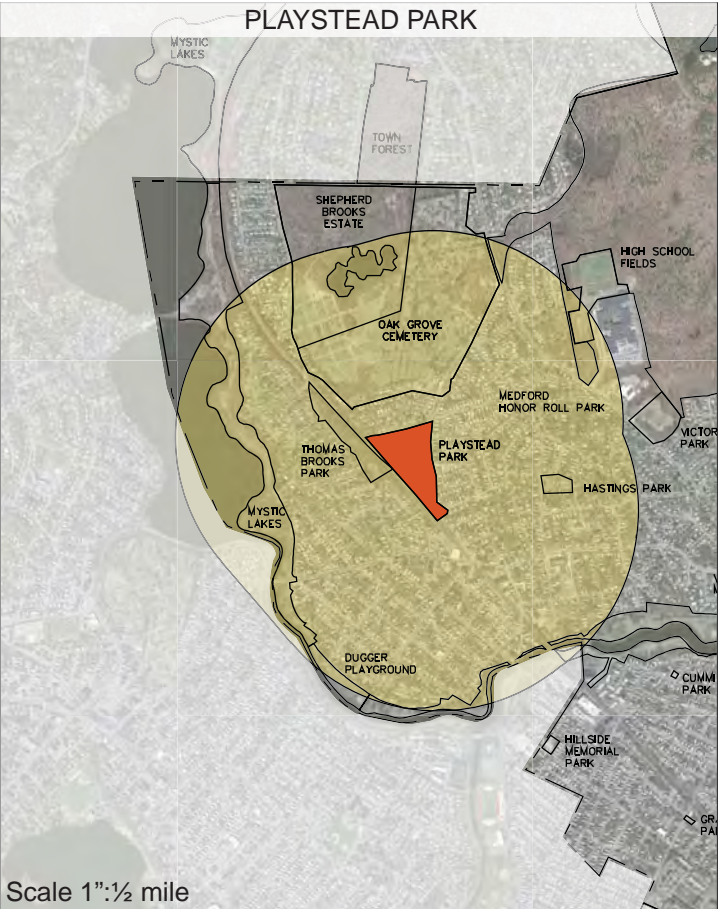
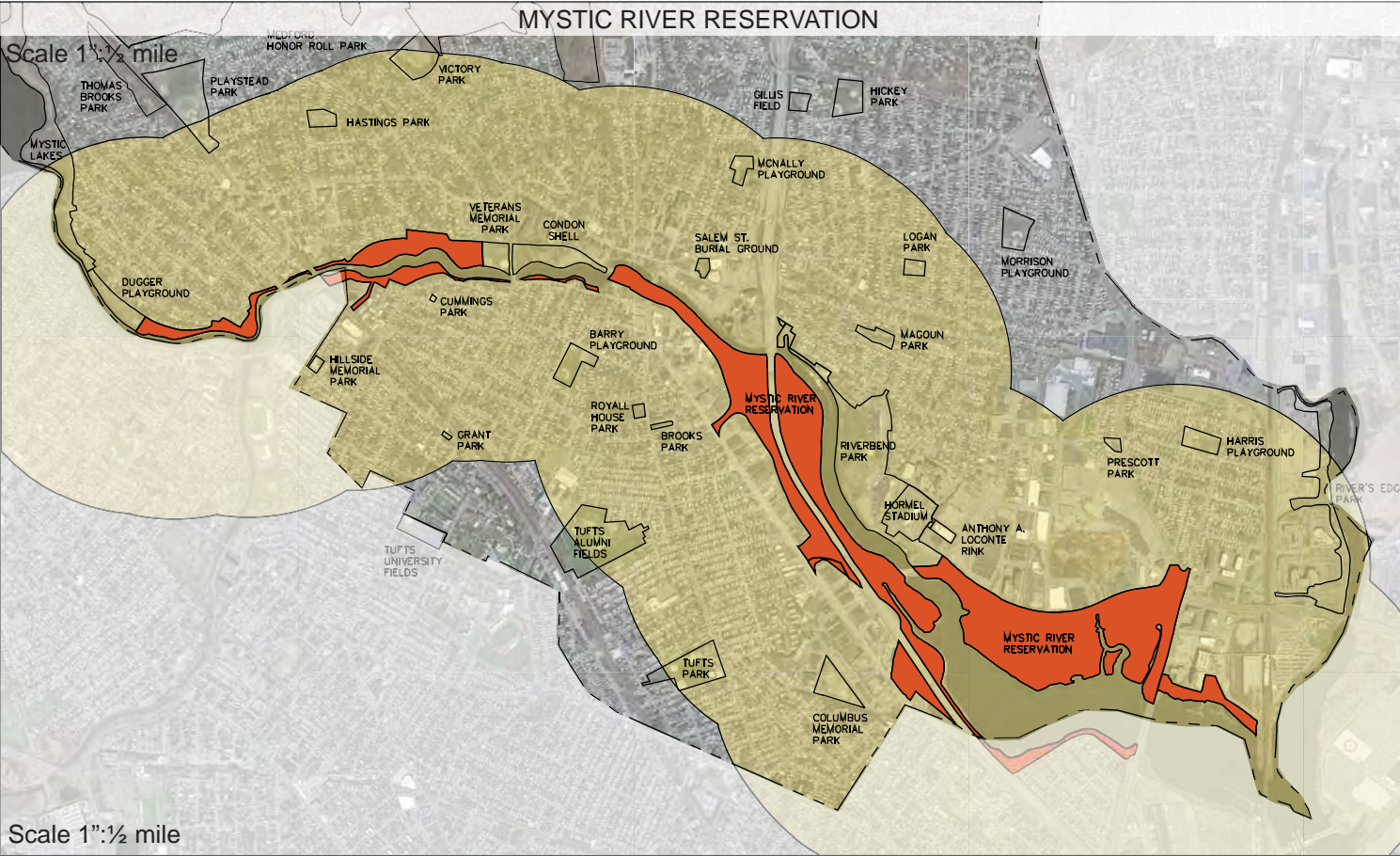
HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE



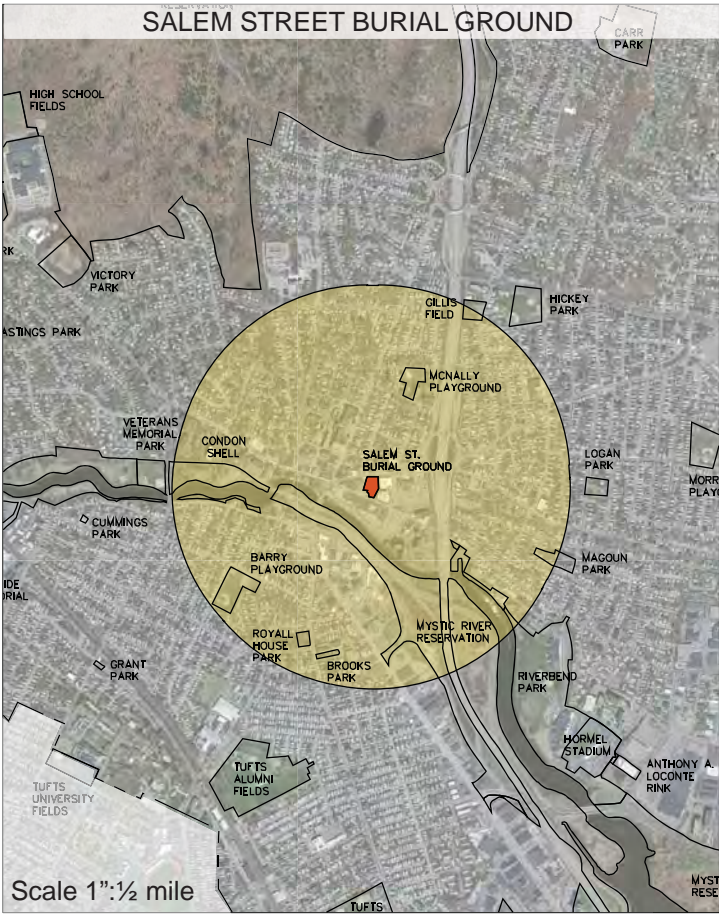
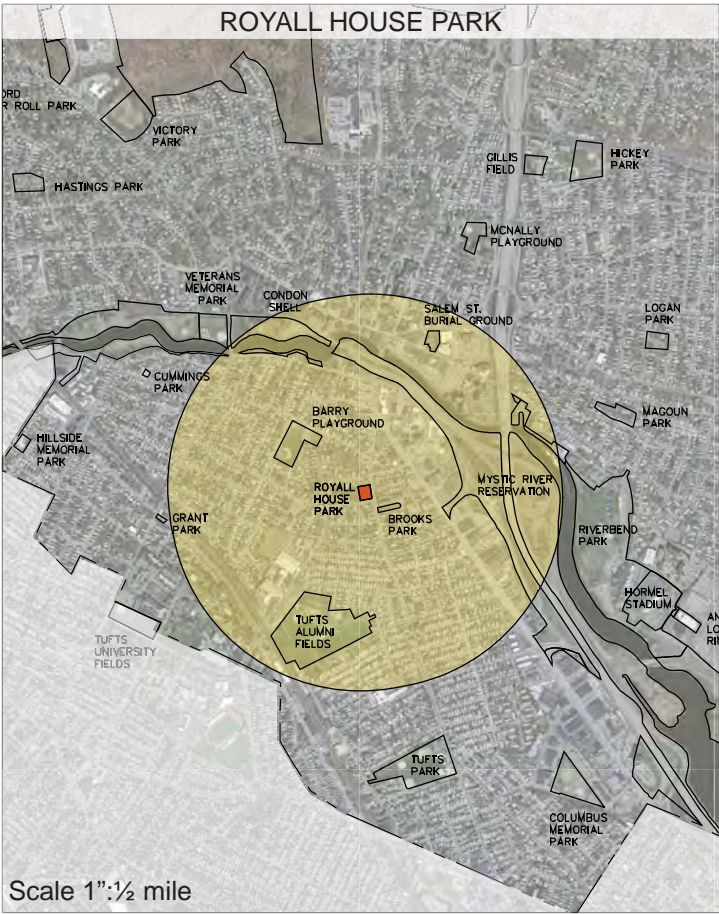
HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE



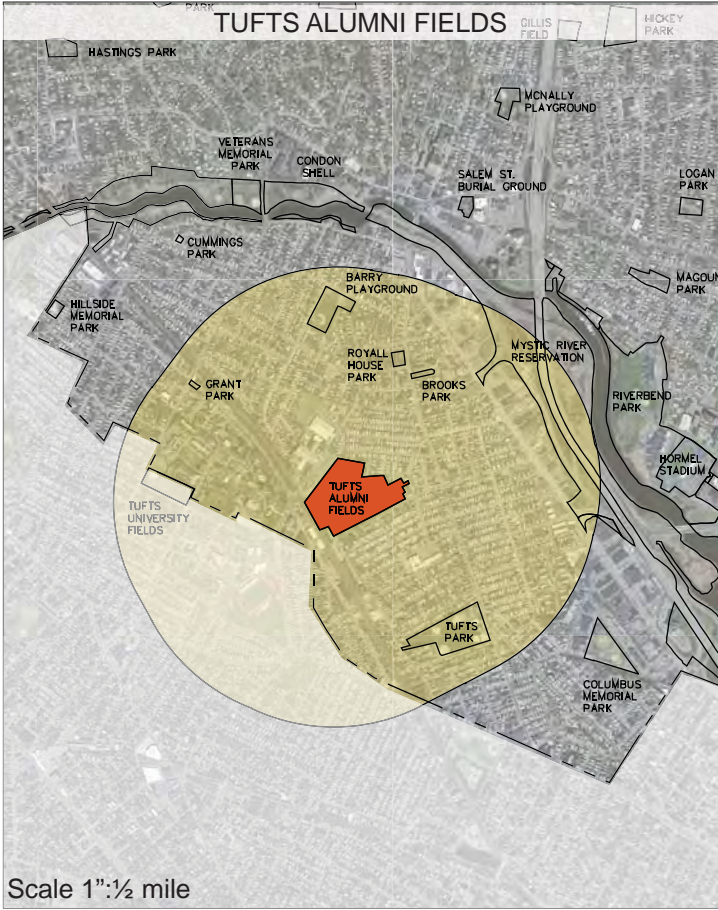
HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE



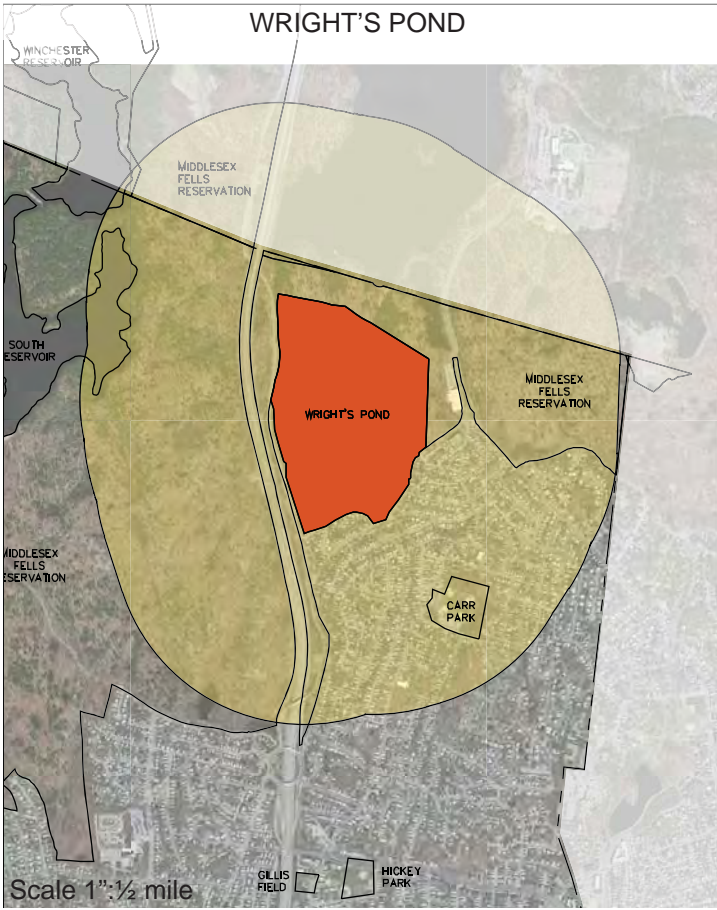
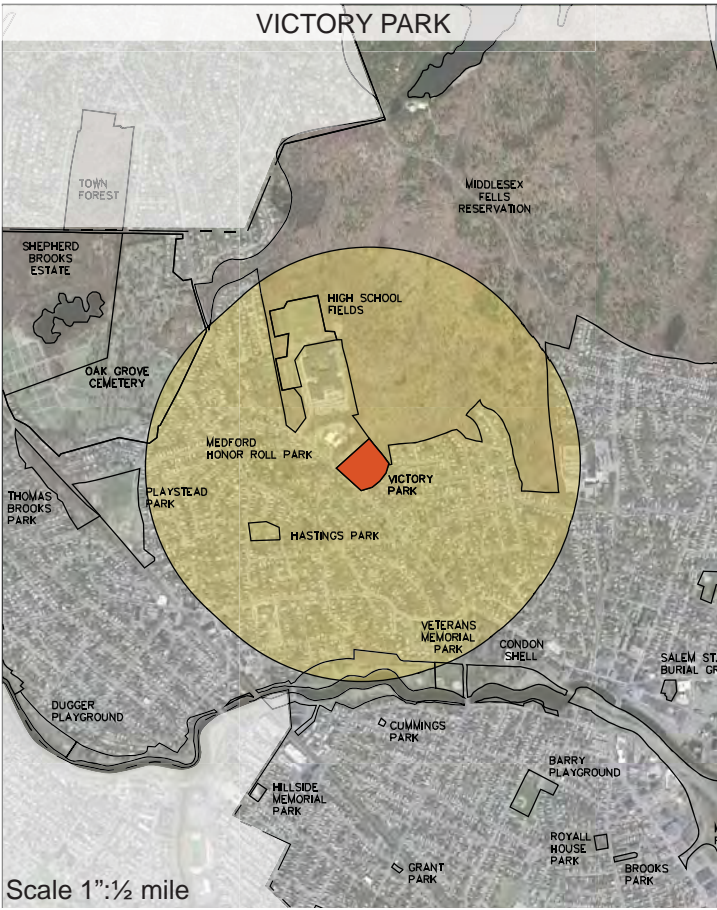
HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE

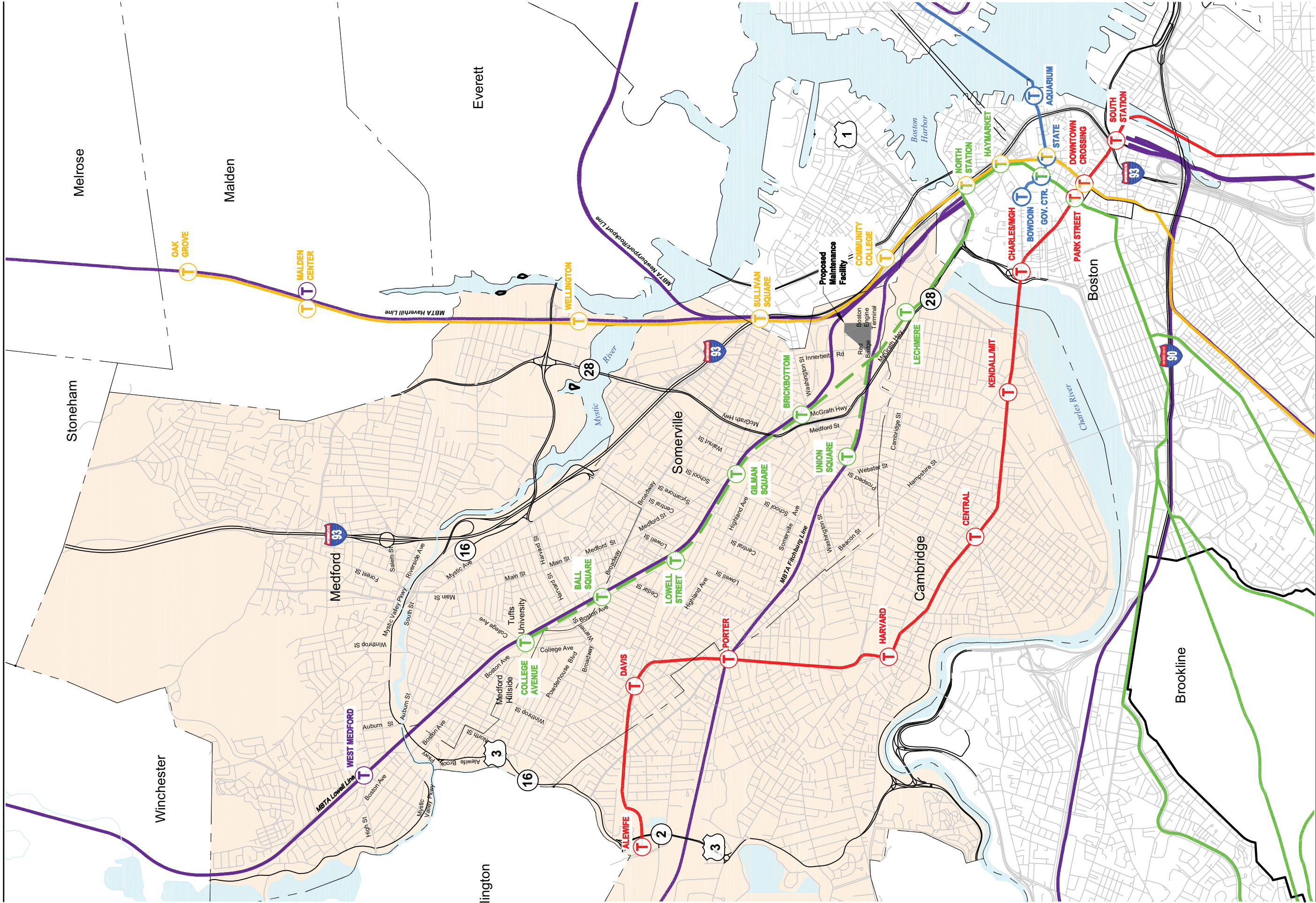


HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE



HALF-MILE RADIUS MAPS OF MEDFORD PARKS & OPEN SPACE

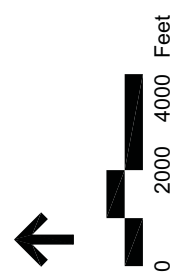


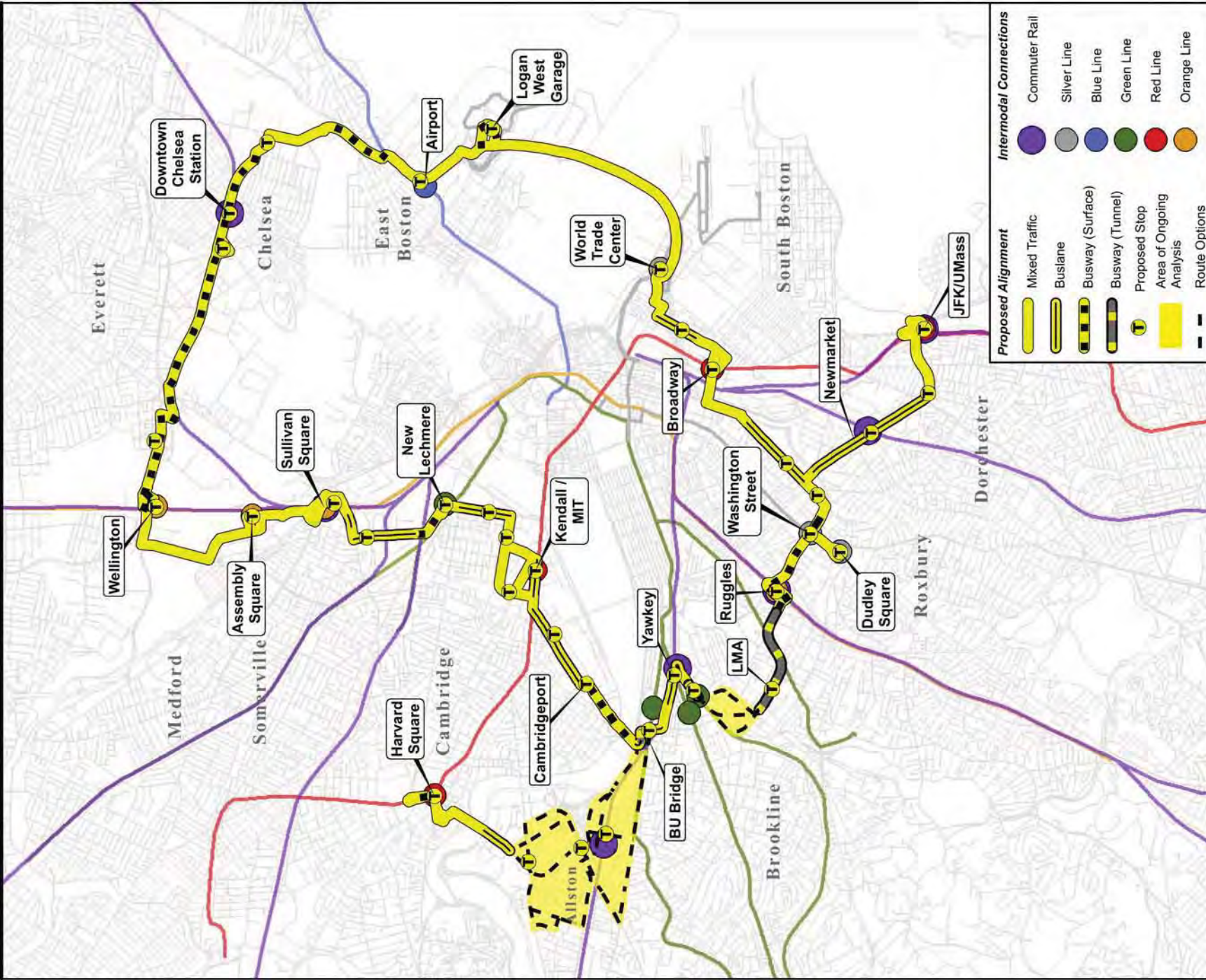


Green Line Extension Project
Figure 1-1

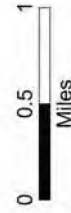
Proposed Project

- Legend**
- MBTA Green Line
 - MBTA Orange Line
 - MBTA Red Line
 - MBTA Blue Line
 - MBTA Silver Line
 - MBTA Commuter Rail Line
 - Green Line Proposed Project
 - Proposed Station
 - Proposed Maintenance Facility





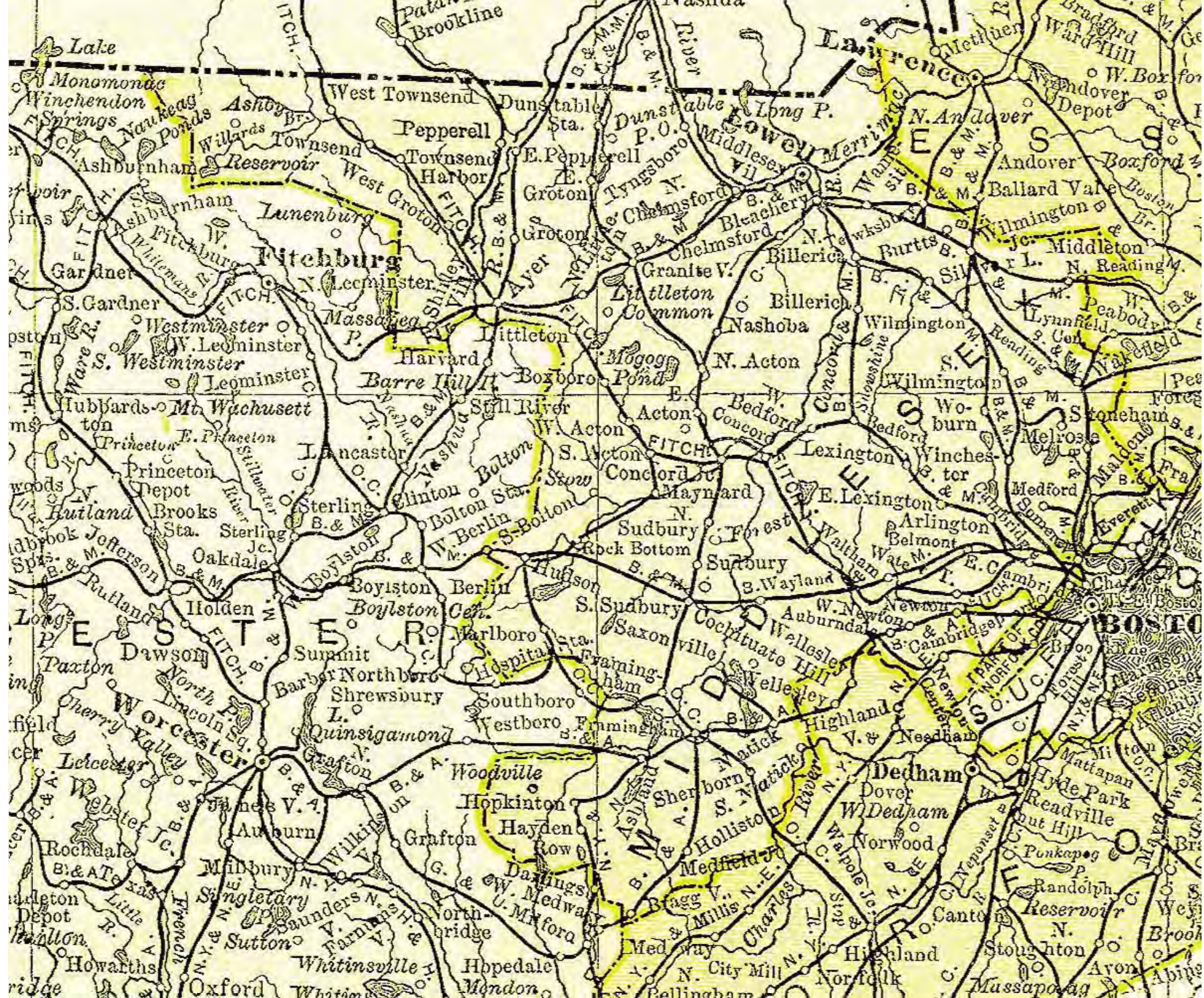
Base map data provided by MassGIS.



Urban Ring Phase 2 RDEIR/DEIS

Locally Preferred Alternative







G. H. BAILEY & CO. PUB. BOSTON.

C. H. BRAINARD, AGENT.

- A. TOWN HALL
- B. PUBLIC LIBRARY
- C. MUSIC HALL
- D. HIGH SCHOOL
- E. FLETCHER SCHOOL
- F. CRADDOCK SCHOOL
- G. CHURCH SCHOOL
- H. OSGOOD SCHOOL
- I. SWAN GRAMMAR SCHOOL
- J. UNITARIAN CHURCH

M E D F O R D

MASSACHUSETTS.
1880

- L. GRACE EPISCOPAL CHURCH
- M. MYSTIC CHURCH
- N. METHODIST CHURCH
- O. BAPTIST CHURCH
- P. UNIVERSALIST CHURCH
- Q. ST. MARK'S CATHOLIC CHURCH
- R. ST. JOSEPH'S
- S. B. & M. R. R. STATION
- T. ENGINE HOUSES
- U. POST OFFICE
- V. CUMMINGS SCHOOL

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