

## **Highlights of the Community Visioning Sessions and Public Forums**

**March 24, 2009 – Community Visioning Session**

**May 6, 2009 – Business Community Session**

**June 3, 2009 – Economic Development Session**

**September 17, 2009 – Transportation, Infrastructure, Services and Facilities**

**October 7, 2009 – Cultural and Natural Resources, Open Space and Recreation**

The Chelmsford Master Plan Committee, the Chelmsford Planning Board and Northern Middlesex Council of Governments (NMCOG) sponsored a series of public meetings for the Chelmsford Master Plan: Vision Quest 2020 update. Community Visioning Session #1 was held on the evening of March 24, 2009, at the Chelmsford Senior Center. The Business Visioning Session was conducted on the evening of May 6, 2009, at the Chelmsford Police Station. A Public Forum was held on June 3, 2009, at the Chelmsford Senior Center. The last two Public Forums were held on September 17, 2009 and October 7, 2009 at the Chelmsford Senior Center. They were publicized in the local newspaper, posted at Town Hall and announced at various town and board meetings.

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## **Visioning Session #1**

**Chelmsford Senior Center**

**March 24, 2009**

**7:00 – 9:00PM**

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The Chelmsford Vision Quest 2020 session held on March 24, 2009 at the Chelmsford Senior Center provided an opportunity for the public to learn more about the activities of the Chelmsford Master Plan Committee, and to provide input into “grass-roots” planning process for the Updated Chelmsford Master Plan. The Northern Middlesex Council of Governments (NMCOG) was pleased to lead the Strengths, Weaknesses, Opportunities and Threats (SWOT) Analysis portion of the program. The SWOT Analysis provided a forum for the approximately seventy (70) attendees to voice their opinions on the strengths, weaknesses, opportunities and threats associated with the Town of Chelmsford, as well as to have this information shared with the general public through the local cable channel.

The opinions expressed by the participants at the Visioning Session are summarized below. Summarized below are the ideas that were submitted by the participants. Participants assigned a point value to each idea based upon the number and color of the dots attached to each idea. As outlined during the session, participants were asked to prioritize the ideas as follows: red (first), green (second), blue (third) and yellow (fourth) and points were assigned to each color – red (4), green (3), blue (2) and yellow (1). Based upon the point totals for each category, the top ten priorities, as outlined by those participating in this session, were as follows:

### **Chelmsford’s Strengths:**

- ◆ High educational level of residents
- ◆ Chelmsford Conservation Commission partnering with local groups
- ◆ Education system
- ◆ Open space and cultural resources
- ◆ Excellent library program
- ◆ Value town tradition and events
- ◆ Neighborhood focus
- ◆ Rail line (accommodate transportation infrastructure)
- ◆ Respect for town history
- ◆ Historic charm (due to presence of older homes)

**Chelmsford's Weaknesses:**

- ◆ Divided state representation
- ◆ Need more support for bicycles on roads
- ◆ Three water districts affect aquifer and water resource protection
- ◆ Lack of bike routes
- ◆ Inadequate Chapter 70 funding for schools
- ◆ No long term strategic vision for town-owned properties
- ◆ Disconnect between North and South Chelmsford
- ◆ State Representation redistricting
- ◆ Traffic congestion at Drum Hill and in the town center
- ◆ Funding cuts in music and arts programs in the schools

**Chelmsford's Opportunities:**

- ◆ Train station in North Chelmsford
- ◆ Embrace alternative energy – solar is cost-effective
- ◆ Redistricting opportunities through 2010 Census
- ◆ Redevelopment opportunities- UMass West campus, etc.
- ◆ UMass Lowell nanotech – potential to partner with UML
- ◆ Intermodal transportation through the LRTA
- ◆ Mixed-use development
- ◆ Open space and green space with trail connections
- ◆ Great community, but not promoted
- ◆ Establish regional haz-mat facility to pay for fire station

**Chelmsford's Threats:**

- ◆ Inadequate economic development planning
- ◆ Chapter 40B – uncontrolled growth
- ◆ Neighborhoods threatened (40B, commercial and zoning changes)
- ◆ Asphalt plant – truck traffic
- ◆ Tax by fee
- ◆ Overdevelopment a threat to open space
- ◆ Lack of funding for transportation improvements
- ◆ Eliminating commuter rail
- ◆ Tolls on Rte 3
- ◆ Losing talented people to other communities (40B excludes many)

In addition to the input from the visioning session, we received the material from the Master Plan Committee regarding their priorities by specific groups – Cultural, Historical & Natural Resources (CH & NR), Housing (H), Land Use & Zoning (LU & Z), Transportation (T), Economic Development (ED), Infrastructure & Facilities (I & F), and Open Space and Recreation (OS & R). The Master Plan Committee ranked their priorities according to a first, second or third priority and these priorities differed somewhat from the priorities established through the visioning session.

Below is the list of the strengths, weaknesses, opportunities and threats identified by the Master Plan Committee. The abbreviation for the relevant work group follows the specific item. It is

interesting to note that in some cases, more than one group identified the same priority, such as the identification of sewer capacity as a threat by the Housing, Economic Development and Infrastructure and Facilities work groups. The focus of the Master Plan Committee on the specific work groups was designed to assist in developing specific goals and objectives that would support the overall vision of the Master Plan.

### **Committee Strengths:**

#### ***Priority 1***

- ◆ Performing Arts Center at the High School (CH & NR)
- ◆ Defined Historical Districts (CH & NR)
- ◆ History of Chelmsford (CH & NR)
- ◆ Educational and Historical groups (CH & NR)
- ◆ Primarily a residential and neighborhood community (H)
- ◆ Chelmsford Housing Authority (H)
- ◆ Zoning guidelines (LU & Z)
- ◆ Good administrative boards (LU & Z)
- ◆ Office parks and retail centers (LU & Z)
- ◆ Location of highways (T and ED)
- ◆ Traffic improvements (T)
- ◆ Single tax rate (ED)
- ◆ Locally-owned businesses (ED)
- ◆ UMass Lowell (ED)
- ◆ Drum Hill Master Plan (I & F)
- ◆ Permanent Building Committee (I & F)
- ◆ Chelmsford Land Stewards (OS & R)
- ◆ Variety of Conservation land and open space (OS & R)
- ◆ Community Preservation Committee (OS & R)

#### ***Priority 1-2***

- ◆ Diversity of uses (LU & Z)

#### ***Priority 2***

- ◆ Monuments and memorials (CH & NR)
- ◆ Senior housing (H)
- ◆ Zoning (H)
- ◆ Open space (LU & Z)
- ◆ Recreational facilities (LU & Z)
- ◆ Protection of residential neighborhoods (LU & Z)
- ◆ Senior Transportation (T)
- ◆ Proximity to Railroad (T)
- ◆ Workforce availability (ED)
- ◆ Diversity of businesses (ED)
- ◆ Chelmsford Business Association (ED)
- ◆ Road maintenance (I & F)
- ◆ Playgrounds (OS & R)

**Priority 2-3**

- ◆ Lowell Regional Transit Authority (T)
- ◆ Special Educational Transportation (T)

**Priority 3**

- ◆ Large development opportunities (LU & Z)
- ◆ School capital program (I & F)
- ◆ New police station (I & F)
- ◆ Waterways (OS & R)
- ◆ Boy Scouts (OS & R)

**Committee's Weaknesses:****Priority 1**

- ◆ Maintenance and use of town facilities (CH & NR)
- ◆ Lack of water resources (CH & NR)
- ◆ Zoning incentives for preservation (CH & NR)
- ◆ Lack of Chelmsford Housing Authority housing (H)
- ◆ Real estate taxes (H)
- ◆ Full range of housing stock (H)
- ◆ Design guidelines (LU & Z)
- ◆ Lack of redevelopment bylaw (LU & Z)
- ◆ Zoning flexibility (outdated zoning) (LU & Z)
- ◆ Route 495 off ramps at 110 and North Road (T)
- ◆ Speeding (T)
- ◆ Vacancy rate (ED)
- ◆ Marketing of the town (ED)
- ◆ Need for larger commercial tax base (ED)
- ◆ Sewer capacity (ED and I & F)
- ◆ Business amenities – zoning (ED)
- ◆ Center fire station and DPW (I & F)
- ◆ North Chelmsford water quality (I & F)
- ◆ Parking for Central and Vinal Squares (I & F)

**Priority 1-2**

- ◆ Traffic congestion (T)

**Priority 2**

- ◆ Use of Merrimack River (CH & NR)
- ◆ 40B housing development (H)
- ◆ Lack of affordable housing zoning (LU & Z)
- ◆ Non-motorized transportation (T)
- ◆ Lowell Regional Transit Authority (T)
- ◆ Commercial traffic (T)
- ◆ Back road commuter traffic (ED)
- ◆ Aging building stock (ED)

- ◆ Building height restrictions (ED)
- ◆ State roads, bridges and dams (I & F)

**Priority 3**

- ◆ Unused town halls (I & F)
- ◆ Lack of adult recreation (OS & R)
- ◆ Too little use of school facilities (OS & R)

**Committee's Opportunities:****Priority 1**

- ◆ Offer more cultural and historical activities (CH & NR)
- ◆ Utilization of Performing Arts Center (CH & NR)
- ◆ Create and develop preservation plans (CH & NR)
- ◆ Better use of Community Preservation Committee funds (CH & NR)
- ◆ Promote cultural diversity (CH & NR)
- ◆ Mixed-use in overlay districts (H)
- ◆ Redevelopment and mixed-use of Central Square and Vinal Square (H)
- ◆ Overlay districts for design guidelines and mixed-use zoning (LU & Z)
- ◆ Expedited permitting (LU & Z)
- ◆ New uses for existing parcels (LU & Z)
- ◆ Chelmsford train station (T)
- ◆ Alternate transportation (T)
- ◆ Traffic calming (T)
- ◆ Fast permitting (ED)
- ◆ UMass Lowell – West campus (ED)
- ◆ Redevelopment zoning (ED)
- ◆ Grow commercial base (ED)
- ◆ Mixed-use zoning (ED)
- ◆ Railroad stop – North Chelmsford (ED)
- ◆ Two town halls (I & F)
- ◆ Utilities underground (I & F)
- ◆ Community Preservation Committee funding (OS & R)
- ◆ Education and better use of Open Space (OS & R)
- ◆ Freeman Bicycle Trail (OS & R)

**Priority 1-2**

- ◆ Low impact development (LU & Z)
- ◆ Drum Hill Master Plan (I & F)

**Priority 2**

- ◆ Re-zoning where appropriate (H)
- ◆ Use of Community Preservation Committee funds (H)
- ◆ Bylaw review committee (LU & Z)
- ◆ Bike and walking trails (LU & Z)
- ◆ Energy building standards (LEED) (LU & Z)
- ◆ TIF usage (ED)

- ◆ Alternative energy (I & F)
- ◆ Regionalization (I & F)
- ◆ Use of Chelmsford Land Stewards (OS & R)
- ◆ Lewis Farm (OS & R)
- ◆ Improved zoning (OS & R)

### **Committee's Threats:**

#### ***Priority 1***

- ◆ Lose our sense of history and culture (CH & NR)
- ◆ Lack of water (CH & NR)
- ◆ Commercial and residential development (CH & NR)
- ◆ 40B housing development (H)
- ◆ Future affordability of housing (H)
- ◆ Sewer capacity (H, ED and I & F)
- ◆ Zoning enforcement and neglect of properties (H)
- ◆ Overuse of existing land (40B) (LU & Z)
- ◆ Loss of agricultural land (LU & Z)
- ◆ Traffic congestion (T)
- ◆ Lack of funding for traffic law enforcement (T)
- ◆ Competition for the same businesses (ED)
- ◆ Lack of funding for infrastructure and facilities (I & F)
- ◆ Lack of local and state funding for open space and recreation (OS & R)
- ◆ Disbanding of Chelmsford Land Stewards (OS & R)

#### ***Priority 2***

- ◆ Lack of state and federal housing funding (H)
- ◆ Lack of town services (H)
- ◆ Overdevelopment (LU & Z)
- ◆ Zoning creep (LU & Z)
- ◆ Abandoned buildings (ED)
- ◆ Multiple water districts (I & F)
- ◆ Commercial and residential development (OS & R)
- ◆ Sale of town-owned assets (OS & R)

#### ***Priority 3***

- ◆ Availability of water (H)
- ◆ Strip malls (LU & Z)

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**Visioning Session #2**  
**Chelmsford Police Station**  
**May 6, 2009**  
**7:30 – 9:30PM**

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On May 6, 2009, the Northern Middlesex Council of Governments (NMCOG) conducted the Chelmsford Business Visioning Session at the Chelmsford Police Station in order to assure that the Chelmsford's business establishments had opportunities to participate in the Master Plan process. NMCOG sent a mailing to the business community and worked with the Chelmsford Business Association, the Greater Lowell Chamber of Commerce and the Master Plan Committee members to inform businesses of the Business Vision session. The input provided by the business community offered a unique perspective from one segment of the population in terms of how the community is viewed. The Vision session was structured to provide an overview of the Chelmsford Master Plan process, describe the economic development section of the plan, and illustrate how it ties in with NMCOG's regional economic development planning process under the Comprehensive Economic Development Strategy (CEDS). Through the participation of the 30-35 business representatives in the Strengths, Weaknesses, Opportunities and Threats (SWOT) Analysis portion of the program, we were able to collect their ideas, concerns, suggestions and recommendations on doing business in Chelmsford.

The opinions expressed by the business community at the Visioning Session are summarized below. While the opinions expressed by the business community do not vary that much from those expressed by the participants at the March 24th Visioning Session or the Master Plan Committee members, they appeared to be more focused on what helped them to maintain and expand their business. For instance, under the Strengths, the business community focused upon the town's location, workforce, infrastructure and working relationship with the town. The number of state representatives was identified as a Strength, a Weakness and a Threat. Under the Weaknesses, the business community identified permitting issues before the Planning Board and Zoning Board of Appeals, transportation issues (public transit, parking, traffic, etc.), redevelopment issues, enforcement standards, taxes (vis-a-vis New Hampshire) and housing. The business community identified many Opportunities for the Town of Chelmsford, including funding, internet/WiFi services, the commuter rail station in Vinal Square, redevelopment of various properties in the Center Village and Vinal Square, one-stop permitting opportunities, landscape improvements and networking opportunities through the Chelmsford Business Association and Greater Lowell Chamber of Commerce. The major Threats identified by the business community were local and state taxes, the cost of health insurance, traffic congestion, limitations on the use of land, limited funding and lack of definition by the town as to the types of industries it wants to attract. In conclusion, the business community felt that the Master Plan could create some stability, as well as promoting partnerships with the State.

The following is a summary of all the comments received during the business session.

**Strengths**

- ◆ Proximity to I-495 and Route 3 and availability of sewer
- ◆ Chelmsford Business Association
- ◆ Location in region and state
- ◆ Professional planning staff at town hall
- ◆ Improved communication between the Town and business community
- ◆ Variety/depth/types of businesses: diversity of industry types
- ◆ Educated labor force
- ◆ Responsive Building Department for permitting and approvals
- ◆ Proximity to UMass Lowell
- ◆ Single tax rate
- ◆ History of high quality of life/livability
- ◆ Representative Town Meeting form of government
- ◆ Number of state representatives
- ◆ Access to commuter rail service

**Weaknesses**

- ◆ Lack of predictability/uniformity from Planning Board
- ◆ Excessive parking requirements for businesses over 10,000 square feet
- ◆ Use variances, shifted from ZBA to Town Meeting, can take one year
- ◆ Being represented by four state representatives
- ◆ Length of permitting approval process and timing of board commission meetings
- ◆ Lack of enforcement of sign bylaw
- ◆ Ad hoc signs on utility poles are not removed in a timely manner
- ◆ Existing buildings may not meet current needs of businesses; mismatch between what is available for redevelopment and market demand
- ◆ Lack of definition of "center of excellence"; strength and character of the community is not well-defined
- ◆ Lack of public transit service to the commuter rail station
- ◆ Lack of parking in the Town Center
- ◆ Lack of an overlay district along Route 110 and Town Center to support redevelopment; need to address what is allowed by special permit vs. variance
- ◆ Need to create overlay district with design standards similar to what is in place in Wilmington
- ◆ Lack of undeveloped land zoned for industrial use
- ◆ Mixed use is not allowed in Town Center
- ◆ Need infill housing
- ◆ Lack of foot traffic in business areas
- ◆ Disadvantage from a tax perspective due to proximity to New Hampshire
- ◆ Town does not hold itself to the same standards as the business community

**Opportunities**

- ◆ UMass Lowell spinoffs and incubator model could be tapped for redeveloping existing buildings
- ◆ Verizon FIGS service
- ◆ Free WiFi in Town Center

- ◆ UMass Lowell Center for Sustainability could assist with efforts to redevelop North Chelmsford
- ◆ Grant money under the Green Communities Act
- ◆ Grants/monies available through the American Recovery and Reinvestment Act (aka the Stimulus Bill)
- ◆ Grant person at Town Hall to identify the various funding sources available
- ◆ Commuter rail station in North Chelmsford/opportunity for redevelopment of Vinal Square
- ◆ Better pedestrian accommodations in Vinal Square
- ◆ Apply Village Center concept to additional areas of town
- ◆ Engage interns from colleges and universities with training in planning and public administration
- ◆ Redevelop mills in North Chelmsford and redevelop portions of the Town Center
- ◆ Redevelop UMass Lowell West Campus
- ◆ Sites selected for redevelopment need additional trees and landscape improvements
- ◆ Additional landscaping and plantings are needed in the Town Center
- ◆ Need to define uses for vacant properties and buildings
- ◆ A market study should be considered as part of the Master Plan
- ◆ Availability of data lacking, particularly information regarding home occupations/self employed
- ◆ Permitting requirements for home businesses should be clarified
- ◆ Need one-stop shopping for permitting
- ◆ Town-owned property on Wilson Street should be redeveloped under a land lease agreement
- ◆ Create a small business center
- ◆ Businesses should better utilize networking opportunities through the Chelmsford Business Association and the Greater Lowell Chamber of Commerce

### Threats

- ◆ Traffic congestion in the town center
- ◆ Local property taxes
- ◆ Limitations of uses of land, unreasonable landscaping requirements, and limits on density of development
- ◆ Chelmsford does not receive its fair share of local, particularly monies received through the state school aid funding formula (Chapter 70)
- ◆ Having four state representatives
- ◆ State taxes
- ◆ Cost of health insurance (for the Town); municipalities should have the same rights as the State to insure their employees through GIC
- ◆ Lack of definition of industries desired by the town contributes to conflicts in permitting and zoning
- ◆ Health insurance costs for businesses due to a lack of state regulation of the insurance industry in terms of allowed rate increases; perhaps businesses can be allowed to join the GIC

**What can the Master Plan do to address your concerns?**

- ◆ Create stability by focusing on what exists presently, preventing additional urbanization, density and traffic
- ◆ Promote partnerships with the State, such as providing additional tax incentives for job creation and seeking state funding to grow local businesses

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## Visioning Session #3

### Chelmsford Senior Center

June 3, 2009

7:00 – 9:00PM

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The Public Forum on Land Use/Zoning, Economic Development and Housing, held on June 3, 2009, at the Chelmsford Senior Center provided an opportunity for town residents, officials and the business community to identify their specific concerns regarding these three elements of the Master Plan, as well as to make recommendations on the policies to be considered as part of the Master Plan process. This Public Forum attracted more than sixty (60) participants and resulted in a lively discussion on policy differences related to each element.

The opinions expressed at the Public Forum are outlined below. These opinions and recommendations have been organized according to program element even though some of the opinions or recommendations may have been made out of sequence with the program agenda. For instance, many of the housing issues were raised throughout the course of the evening's discussion. The breakout of these statements by program element will be especially useful to our staff working on each element, as well as for your individual subcommittees.

Many constructive recommendations were made at the Public Forum and will be addressed in the draft Master Plan sections being developed. It is expected that the draft Economic Development section will be available for discussion at the July 23<sup>rd</sup> Master Plan Committee meeting, while the draft Land Use/Zoning (August 27<sup>th</sup>) and Housing (September 24<sup>th</sup>) sections could be discussed at the identified meeting dates. We will be sending the draft documents to the Master Plan Committee members a week before the scheduled Master Plan Committee meeting and will arrange to meet with the specific subcommittee prior to that meeting. These draft sections will have a list of questions at the end that will help us develop the specific policies for each element. Your assistance in identifying contact people and relevant documents ahead of time, as well as your responses to the specific questions will be helpful to our overall process. We will work with the respective subcommittees to make the overall presentation to the full Master Plan Committee.

#### **Draft Vision Statement:**

- ◆ The Master Plan should be used as a brand asset management tool for the Town of Chelmsford. Chelmsford can refer to it during the decision-making process.

#### **Land Use and Zoning:**

- ◆ Conflicts? Chelmsford has approved Hillside Gardens Chapter 40B development ten feet from heavy industrial business (crane business and asphalt plant). The businesses have been a safety buffer zone and the new residential development creates a liability.
- ◆ Reissue density regulations? The regulations are not in conflict, open space + housing = a fallacy, density should not be revised.
- ◆ Happy about the work of the implementation committee.
- ◆ Should include policies of existing Master Plan into the new Master Plan:

- Larger more dense developments do not create a higher quality of life
- Cautious of growth
- Protect town character
- Carefully plan for current undeveloped land to preserve open space.
- Nothing in the current Master Plan about achieving 10% subsidized housing goal.
- Responsible development that is fair and equitable to all residents is needed.
- ◆ Upgraded elements:
  - "Optimum and maximum" number of units -those numbers are still the same from the 1996 Master Plan.
  - Chelmsford residents are not happy with growth and land use patterns over the last decade.
  - Need more open space; retain rural characteristics.
  - New construction has not solved any of the Towns problems, it only costs taxpayers more
  - Master Plan Committee must differentiate between types of growth.
  - Chelmsford does not have a strong tax base.
  - Residential development costs the town -\$1.30; Commercial/Industrial \$.75; Redevelopment -\$.50.
- ◆ If the town rezones town-owned parcels to multi-family, can it address the 10% goal and not be controlled by developers?
- ◆ Town can be proactive rather than reactive, regain control over 40B developers.
- ◆ Slow vs. No growth -refute idea that you should not live here if you cannot afford it.
- ◆ Re-examine standards on existing zoning map. Ex: 1 acre single family lot regulations.
- ◆ Implement 2 acre zoning to raise property values.
- ◆ Examine zoning districts and zoning requirements, particularly in the Westlands and North Chelmsford, and revise to be consistent with current neighborhood character and conditions.
- ◆ Apply special permit standards rather than requiring variance
- ◆ Re-delegate use variances to ZBA, not town meeting (delays changes of use and is antithetical to goals of committee).
- ◆ Current standards for redevelopment of sites:
  - Unnecessary and very expensive
  - Makes redevelopment very hard (renovating vs. tear down).
  - Took three extra months for one resident to construct a drainage system.
- ◆ Create standards for redevelopment of sites that is less onerous and more progressive; for example, the requirement to handle drainage on site should not apply.
- ◆ Affordable housing:
  - Develop an "optional inclusionary" bylaw via Special Permit, in exchange for affordability (perhaps 50% affordable); include developer incentives.
  - Create a redevelopment zoning district (examples include Andover and Lexington)
  - Odd Fellows Building might be a good redevelopment project.
- ◆ Renovation and rehab are preferable to demolition and new construction.
- ◆ Zoning is a balancing act (reflective standards vs. no change).
- ◆ Diversity of housing (what about larger more expansive homes?).

- ◆ Example of Seaside, Florida (81 acres): completely walk able community. Cottage communities with 1,000 square foot units, at a density of six units per acre, should be constructed as infill development! as a way to increase affordable housing.
  - Key to concept of development: high density in center with farms on the perimeter.
  - Reduce traffic, promote village concept Ex: development in Westford
  - Much more attractive than 40B
  - Overlay district
- ◆ Walk able communities/new urbanism design should be encouraged.
- ◆ The Supreme Judicial Court of Massachusetts ruled that communities can prevent development of "McMansions." McMansions were the beginning of the end for moderate-income people. These should be prohibited.
- ◆ Mixed-use zoning should be implanted in the Center and Vinal Square to encourage pedestrian and bicycle use.
- ◆ Pedestrian, bike and commuter rail station will contribute to economic revitalization of North Chelmsford and Vinal Square
- ◆ Mixed-use development should include interconnected green space.
- ◆ Mixed-use/urban village concepts should be promoted with higher density residential/commercial/office uses with pedestrian paths.
- ◆ Mixed-use, especially in town center.
- ◆ Bike paths and sidewalks should be required.
- ◆ Redevelopment should occur along Route 110, in Vinal Square, and on town-owned land
- ◆ Development on Chelmsford Street should not be encouraged due to impacts on Steadman Street/110 intersection (highest number of crashes).
- ◆ Regaining control of building projects, legally very hard to implement own standards and will be subverted by developers.
- ◆ Committee should talk to towns that have achieved 10% (40B) to see if they actually are able to stave off additional 40B developers.
- ◆ Chelmsford is a town and not a city.
- ◆ DHCD 10% requirement is arbitrary and 40B developments will still be built.

### **Economic Development:**

- ◆ Town should promote commercial development, but in line with character of town.
- ◆ Would like to see more industrial and commercial growth.
- ◆ Lack of industrial land, industry is critical to increasing tax base.
- ◆ Limited sewer capacity limits growth especially residential development and hinders the town's ability to attract businesses. This should be addressed.
- ◆ Responsible commercial and residential development, fair and equitable.
- ◆ Policies should promote redevelopment and rehabilitation.
  - Wilson Street Fire Dept site?
  - Rte 3 and 1-495 down to Chelmsford Center has many vacancies and commercial development opportunities.
  - Ball fields -relocate to develop 100 year leases for properties.
- ◆ Do not develop ball fields.
- ◆ Vinal Square has many prime redevelopment districts.

- ◆ Inadequate space for children to play.
- ◆ Address traffic congestion.
- ◆ Reoccupation of vacant buildings on Route 129 should be addressed.
- ◆ Redevelop mills and row houses in North Chelmsford.
- ◆ Revise zoning regulations if businesses agree to be an anchor tenant.
- ◆ Need to analyze demographics to better understand local and regional market.
- ◆ Distribution companies should be encouraged to take advantage of location at the junction of Route 3 and 1-495.
- ◆ Actively engage landlords and property owners rather than through generic mailings.
- ◆ PILOT program for nonprofit organizations in town.
- ◆ Town needs a grant specialist for economic development initiatives -no money for that position at this time.
- ◆ Mixed-use zoning on Route 129 should be allowed to improve traffic in the town center.
- ◆ Warehouse space on Brick Kiln Road could be used for distribution business (Best Buy)
- ◆ Don't turn Rte 129 into Rte 110.
- ◆ Why not preserve ball fields as open space?
- ◆ Concentrate on occupancy, not new development, especially on Route 129.
- ◆ Promote new technologies and revamp town partnerships; boost economic development commitment.
- ◆ Encourage more family-friendly businesses and entertainment, e.g. birthday party center, bowling, etc.
- ◆ Work with property owners to support start-up companies through incubator space.
- ◆ Need to brand Chelmsford
  
- ◆ Rte 129 corridor:
  - Good access and hotel, but a disjointed area
  - Find a high tech anchor business for that area in hopes that it will attract other high tech businesses.
  - Need to attract green technology companies.
  - Green Community: try to site solar facilities on building rooftops to help with the Governor's plan and promote Chelmsford as a renewable community.
  - Increase height limits allowed.
- ◆ Eliminate mixed-use restriction on Rte 129. Need services for employees in that area.
  - New strip mall on the other side of Rte 3 in Billerica provides services for Chelmsford businesses. Need to rectify the disjointed look of the corridor.

### Housing:

- ◆ Need to create additional affordable housing and address income distribution
- ◆ 1,400 families, 146 elders, 77 disabled individuals and 43 vets are on the waiting list for affordable housing in Chelmsford.
- ◆ Chelmsford Housing Authority recently built 37 additional units for mixed-income residents near the Senior Center.
- ◆ Need more rental units and 3-bedroom units.
- ◆ Need to serve those at 50% of median (1 out of 4 people in Chelmsford are in this income group).

- ◆ Accessory units can be counted toward 10% target, but must have a fair way to assign them to those on the waiting list.
- ◆ Row housing in Vinal Square could be redeveloped into affordable housing.
- ◆ How many names on affordable housing waiting list are people from Chelmsford? 73,000 total 14,000 from town.
- ◆ All new residential development should be accomplished through redevelopment in Vinal Square and buy downs.
- ◆ Beyond a certain number, residential development is not cost-effective, it becomes a cost burden.
- ◆ Residential development should focus on redevelopment.
- ◆ North Chelmsford buy downs, apartments above businesses, not new construction.
- ◆ Zero listings are affordable to people making 50% of the average median income.
- ◆ Waiting list for affordable housing has grown four fold since the 1996 Master Plan.
- ◆ All planning will be in vain if people can't afford to live there.
- ◆ Review 2005 Affordable Housing Plan and presentation by the Chelmsford Housing Authority.
- ◆ Preserving character = NIMBYism, exclusionary zoning = income discrimination.
- ◆ Need more rental housing: Chelmsford was just awarded 88 rental vouchers, but there are limited housing units to place the people that receive the vouchers?
- ◆ Need rental units with more bedrooms, hard to find 3 bedroom + rental units.
- ◆ 1 in 4 residents in Chelmsford are at the 50% AMI mark, the town needs to focus on these people.
- ◆ The Town first promoted commercial growth, then residential growth, now 40B.
- ◆ Most multi-family development has occurred on commercial/ industrial land.
- ◆ Town must balance demand for housing with the demand for commercial and industrial growth.
- ◆ It's harder to go back and amend zoning tensions than to plan carefully and avoid conflicts in the future.
- ◆ 40 acres in North Chelmsford along Route 3 and Ledge Road should be residentially developed.
- ◆ Wanted clarification of the purpose of the Master Plan committee? Should the policies be reflective of the desires of citizens? Then, no new construction.
- ◆ Home values: Higher density actually makes housing less affordable for everyone.
- ◆ Foreclosure: No options for these folks, single parents with children and divorced families who would like to remain in town.
- ◆ Support Housing Authority goals to promote affordable housing in town.
- ◆ Demographic changes -Accessory uses in bylaws to encourage the utilization of extra space and support families.
- ◆ In some places, accessory apartments can count but must figure out a way to manage a fair waiting list.
- ◆ By law review committee needs to be involved.

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## **Public Forum: Transportation, Infrastructure, Municipal Services and Facilities**

**Chelmsford Senior Center**

**September 17, 2009**

**7:00 – 9:00PM**

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The Public Forum on Transportation, Infrastructure, Municipal Services and Facilities was held on September 17, 2009 at the Chelmsford Senior Center. This Public Forum provided an opportunity for town residents, officials and the business community to identify their specific concerns regarding transportation, infrastructure, municipal services and facilities, as well as to make recommendations on the policies to be considered as part of the Master Plan process. Within the Master Plan, NMCOG will address the transportation and infrastructure issues, while the Town of Chelmsford will deal with the municipal services and facilities issues. Approximately (25) participants attended the Public Forum and there was limited discussion on policy differences related to each element.

The Forum summary is outlined below and expresses the opinions according to each program element. It was surprising that more concerns were not raised about transportation and traffic issues in the community. The comments made related to sewer infrastructure reflected satisfaction with this component, although concerns were raised about the community's future sewer capacity (5-10 years). Recommendations were made on consolidating the three water districts and possibly placing them under the town's supervision, In addition, there was concern raised about the need for more cable/internet/phone service providers in order to reduce monthly fees and provide better customer service. The quality of cell phone service in the community was said to be acceptable. Issues related to municipal facilities and services focused principally upon the need for a new fire station and DPW facility, as well as a stronger capital planning process to address the facility needs of the community in the future. The facility needs of the school system and library were discussed briefly as well. There was not a great deal of discussion related to municipal services.

Many constructive recommendations were made at the Public Forum, which are addressed in this Master Plan.

### **Transportation**

- ◆ Need more sidewalks; more students are walking to school due to school bus fees
- ◆ Need train station in North Chelmsford
- ◆ Phase 2 and 3 of the Bruce Freeman bike path need to be completed
- ◆ Need to create bike lanes (3-4 ft.) and add bicycle accommodations along major routes, such as Route 27. Need wider shoulders.

- ◆ Need additional parking for the Bruce Freeman Rail Trail -1,400 – 1,600 people use it on the weekend.
- ◆ Need to address congestion on Drum Hill Road; re-route traffic destined for Lowell; examine Technology Drive as an alternative route.
- ◆ Light on Route 110 at 129 in Center does not function well for vehicles turning left (signal has a leading green phase, according to Jim Pearson)
- ◆ Route 3 improvements have not alleviated traffic on Route 4; cut-through traffic destined for I-495 is still a problem
- ◆ Unposted speed limits on local roadways are too fast; needs to be 20-25 mph
- ◆ Traffic calming techniques should be employed more extensively
- ◆ Traffic congestion around the High School is a problem (Old Westford Rd./Davis Rd.) due to buses, cars, pedestrians, etc.

### **Infrastructure**

- ◆ Final sewer contract will be issued in October. Once this contract is completed, the entire town will have sewer (Jim Pearson)
- ◆ There will be a sewer capacity problem 5-10 years from now; once the tie-ins are complete only 50-100,000/gallons per day (gpd) of capacity will remain. (Lowell contract expires in 2015 or 2016) Lowell has its own capacity issues as well.
- ◆ The three water districts should be consolidated and possibly placed under municipal control, which would provide additional benefits to the community
- ◆ A third provider of cable/internet/phone service is needed to create competition. Currently served by Verizon and Comcast, but a third company would help to lower prices and provide better customer service.
- ◆ Cell phone service is adequate; there are no known dead spots in town.

### **Services and Facilities**

- ◆ A capital planning process is needed that looks ahead 5-20 years and factors in inflationary factors, opposed to the \$2.5 million that has been budgeted for years for maintenance and related capital costs
- ◆ Fire station and DPW facility needs should be the next improvements addressed by the Town
- ◆ The schools have many unmet needs which the town must tackle
- ◆ The “old house” next to the library needs work—uses for the building should be identified
- ◆ The town should never allow the library to lose its accreditation

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**Public Forum: Cultural and Natural Resources, Open Space and Recreation**  
**Chelmsford Senior Center**  
**October 7, 2009**  
**7:00 – 9:00PM**

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The Public Forum on Cultural and Natural Resources, Open Space and Recreation was held on October 7, 2009 at the Chelmsford Senior Center. This Public Forum provided an opportunity for town residents, officials and the business community to identify their specific concerns regarding cultural and natural resources, open space and recreation of the Master Plan, as well as to make recommendations on the policies to be considered as part of the Master Plan process. This Public Forum attracted approximately (20) participants and resulted in a lively discussion on policy differences related to each element.

Many constructive recommendations were made at the Public Forum, which are addressed in this Master Plan.

### **Cultural and Historic**

- ◆ An initiative is under way to establish a Center for the Arts at the Old Town Hall (in the Center), which will include an art gallery and offices to be rented as studio space for artists, based on a lottery system. The Center for the Arts will be used by the Chelmsford Arts Society, Illumination Opera, Community Jazz Band and others.
- ◆ The arts should be supported and encouraged as a means to grow the local economy in conjunction with the Creative Economy activities in the region.
- ◆ If a large space were to become available, such as a mill, an Arts District might be possible. This could be similar to Western Avenue in Lowell.
- ◆ An “honorific” historic district should be established in North Chelmsford that doesn’t have the restrictions of a traditional historic district.
- ◆ The schools have an outstanding environmental program; a park was created next to the McCarthy School where UML labeled the trees by species. The schools also maintain the award-winning parks within and around the Parker and McCarthy school area.
- ◆ The Library is an important part of the Cultural Community and is the center of cultural life within Chelmsford. There is a strong collaboration with the school system and there is an opportunity for residents to volunteer through [www.chelmsfordvolunteers.org](http://www.chelmsfordvolunteers.org) . The North Chelmsford Library has fairly limited hours of operation.
- ◆ The Gazebo in Vinal Square could be used for concerts.
- ◆ The McKay Library has been a concert venue since 1995—concerts are offered on Wednesday evenings during the summer months.
- ◆ Art Shows are held at the Library where there is space for two artists to exhibit their work each month. The arts shows are sponsored by the Friends of the Library.
- ◆ Speakers and lectures are also given at the Library.
- ◆ More than 200 volunteers offer their services within the community.

- ◆ The Library holds conversation circles in Spanish, French and Chinese to assist the immigrant community.
- ◆ Community service volunteers work at the library through the high school and the court system.
- ◆ There is strong collaboration between the Library and the School Department.
- ◆ More communication is needed between the Library and the residents in order to better understand community needs; a DVD is available outlining the services offered by the library.
- ◆ The Historical Society works to tell the early history of the town.
- ◆ The Garrison House and the Fourth of July celebration assist in educating folks about the town history and bring people together to celebrate this history in a way that promotes civic pride and patriotism.
- ◆ The hours at the McKay Library need to be expanded to better serve young families.
- ◆ Chelmsford Memorial Veterans Park is underutilized. The park was designed to be a place of reflection and nature, and was located near the school in hopes of bringing students to the area in order to appreciate the sacrifices made.
  - Plans are in place to construct a stage within the park.
  - Events take place in the park during the “Flag” holidays.
- ◆ The Historical Commission has been inventorying the town’s monuments.
- ◆ The monuments need to be maintained—one entity should be given this responsibility.
- ◆ The Monument at the Triangle in North Chelmsford will be moved to another location.
- ◆ Flags flown in Iraq and Afghanistan could be used at the memorials.
- ◆ A walking tour of the monuments should be developed.
- ◆ There is a need for additional meeting space in town for nonprofits and community groups.
  - Meeting space is now available in the Old Town Hall
- ◆ Old Community Newsletter is missed since the size of the publication was reduced.
- ◆ Need to focus on intergenerational issues within the community.
- ◆ Local cable TV is an asset and should be maintained.
- ◆ [www.chelmsfordvolunteers.org](http://www.chelmsfordvolunteers.org) provides information relative to town-wide volunteer opportunities; a volunteer coordinator is needed for the town
- ◆ The Town-wide History Project focuses on preserving historic documents and invites all interested parties to collect and inventory pictures, documents and artifacts; see [www.chelmsfordhistory.org](http://www.chelmsfordhistory.org).
- ◆ The Cultural Council consists of volunteers who help fund local art/cultural projects. Applications are accepted through 10/15/09 for a total of \$8,000 that will be distributed.
- ◆ Information should be distributed through the mail as well as online—not everyone has access to a computer.
- ◆ Designating a formal historic district in North Chelmsford would impose restrictions on businesses operating within the district, which is a concern for local business owners.
- ◆ The reuse of the North Town Hall is key to improving North Chelmsford
  - The Town Meeting approved plan calls for the North Town Hall to be used as a Community Center with a mini-museum and historical exhibits. Approval for the construction of the plan will be sought at Spring town meeting.
  - A digital audio history will be prepared.

- ◆ Historic properties that are at risk include 35 Boston Road and the Odd Fellows Building (The Housing Authority could use the Odd Fellows Building for affordable housing.)
- ◆ The demolition bylaw has been in place for five years but the town has never had to invoke the 12-month delay. The existence of the bylaw has encouraged property owners to cooperate.
- ◆ Moore's Canal-sections of the Canal have been filled to create a bridge. Interpretive signage should be constructed at the Freeman Lake end and at the park by the mill (at Bainbridge's).
- ◆ The creation of an "honorific" historic district in North Chelmsford would be a draw for tourists. North Chelmsford has the largest collection of mill era buildings in the Commonwealth (250 buildings).
- ◆ If the Barrett-Byam House, Little Red School House, the Garrison House and other historic resources were promoted, there would be economic benefits to the community.
  - An information booth should be established at the Old Town Hall or in the Toll House on the Common (the Toll House was used as an information center in 1955 and 1976).
- ◆ The 1802 School House was last renovated in 1976 and needs some structural repairs.

### Open Space and Recreation

- ◆ The field house at Varney Park is being reconstructed. There should be a connection to the Senior Center and pond.
- ◆ Maintenance of open space and recreation facilities is an issue that needs to be addressed.
- ◆ The stewardship program has been highly successful (12 properties are now covered by the program) but more resources are needed. The town spends 25 cents per acre on maintenance.
- ◆ The CBA, the Garden Clubs and CPC provide some resources for maintenance.
- ◆ Labor and maintenance equipment is borrowed and there is no funding available for properties that are under the care and custody of the selectmen.
- ◆ The Chelmsford Land Trust, the Conservation Commission, the Police Department, the Fire Department and the Lowell Sportsmen's Club assist with maintenance.
- ◆ The Lowell Sportsmen's Club allows camping on the tree farm that they own in North Chelmsford.
- ◆ The town should give consideration to how a property will be used and maintained before it is purchased.
- ◆ An ADA accessible community garden is being developed.
- ◆ Need year-round town-wide recreation facility—should look at the Milford, NH model where the town established a partnership with the business community. Such a facility could be constructed at the High School or somewhere along Route 3.
- ◆ The town should acquire and improve the parcel of land between Freeman Lake and the dam (former Boston Ice Company land).
- ◆ More facilities are needed for girls sports.
- ◆ Better maintenance of athletic fields is needed.
- ◆ Need more shared-use bike paths similar to the Bruce Freeman Bike Path.
- ◆ Multi-family housing should be constructed with useful and accessible open space that includes trails and walking paths.
- ◆ The town should increase its open space by working with residents and developers.

- ◆ Covered dugouts and bathroom facilities should be provided at the playing fields.
- ◆ The beach at Varney Park should be open to only town residents—there are gang problems there now. There is a need for a ramp from the parking lot to the playground and the beach could use a platform.
- ◆ Parcels that have been identified as priority habitat should be protected in order to reduce flooding and improve water quality. These properties should be acquired in fee or a conservation restriction should be imposed. Regulatory boards should restrict development in these areas.
- ◆ Wildlife habitat should be preserved to reduce problems with coyotes, deer and other creatures—conflicts with domestic pets are becoming more frequent as habitat is reduced.
- ◆ Access to the Ledge Road property should be sought and use for the land should be identified.
- ◆ The apple orchard on Westford Road should be acquired and protected.
- ◆ The town needs to clarify whether public access exists along Canal Street from Riverneck Road.
- ◆ Attention should be paid to aquifer issues in order to protect wells.
- ◆ A public swimming pool should be constructed in town, perhaps at the Forum or the High School
- ◆ A neighborhood park should be constructed at the Pond Street Beach
- ◆ Parking is needed for the bike path and at Deep Brook where only one space is available
- ◆ Low interest loans should be provided to sustain farms and protect agricultural land
- ◆ The Glenview Sand and Gravel site needs to be addressed in order to protect Black Brook.
- ◆ Clinton Avenue at the end of Steadman Street is flooded—closing the sluice on Steadman Street has impaired water quality.
- ◆ Land along Route 3 should be reclaimed as a hay field.
- ◆ Precinct 6 has a lot of new wetland areas due possibly to increased beaver activity.
- ◆ Turtles have disappeared from the area near Smith Street and Black Brook.
- ◆ Historic Area Scavenger hunts would generate enthusiasm and educate participants.
- ◆ A map of the bike path should be created and made available to residents and visitors.

### Other Issues

- ◆ Traffic entering and exiting the High School is a problem.
- ◆ Safety problems exist at the intersection of Steadman Street and Chelmsford Street—speeding and running red lights.
- ◆ No more building should be allowed on Chelmsford Street due to the traffic congestion and air quality issues.
- ◆ A leaf drop-off/composting center should be available for residents.

# APPENDIX B

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## Methodology 2010 Commercial/Industrial Build Out



**Chelmsford Community Development Department  
Town Offices  
50 Billerica Road  
Chelmsford, MA 01824  
Phone: 978-250-5231 Fax: 978-250-5232**

**TO:** Master Plan Committee  
**FROM:** Evan Belansky, Community Development Director  
**RE:** Supplemental Data – Commercial / Industrial Parcel Based Build Out - Methodology  
**DATE:** April 2, 2010

In support of Section ??, Land Use and Zoning, specifically sub-section ??, Build Out Analysis, of the 2010 Master Plan, this memo outlines the methodology utilized by the Community Development Department for purposes of conducting the commercial / industrial parcel based build out.

***Methodology***

1. Based upon 2009 Chelmsford's Assessor's database.
  2. Sorted all commercial / industrial parcel based upon assessors' land use code classification as follows:
    - a. Commercial
    - b. Auto related – dependent
    - c. Industrial / Manufacturing
- \*\* It is important to note that this method of sorting by land use type, includes parcels that are currently being used for commercial / industrial purposes but are not zoned for commercial / industrial uses.
3. The following were removed:
    - a. existing single family and multi-family
    - b. Exempt uses such as town owned parcels, State owned, religious
    - c. Vacant commercial / industrial
  4. For each parcel within each land use type, identified existing Gross area (floor) based upon assessor's database.
  5. For each parcel within each land use type, identified existing land area based upon assessor's database.
    - a. Converted original land area from acreage to square feet
  6. For each parcel within each land use type, determined individual site Floor Area ratio (FAR) by dividing existing gross floor area by existing land area.
  7. For each land use type, determined total gross floor area by summing all parcels.
  8. For each land use type, determined total land area by summing all parcels.
  9. For each land use type, determined an Effective FAR by dividing # 7 by # 8.
  10. For each land use type, determined an AVERAGE FAR by summing individual parcel FAR's, per # 6, and dividing by the total number of parcels.
  11. For each parcel within each land use type, determined individual parcel's capacity for additional gross square footage based upon #10.
  12. For each land use type, determined total capacity for additional square footage.

## ***SUMMARY OF RESULTS***

Per # 2 of the methodology, the following was included in the land use code classifications:

- 107 of the parcels are occupied by commercial type uses
- 31 of the parcels are occupied by auto related / dependent uses.
- 49 of the parcels are occupied by office type uses
- 88 of the parcels are occupied by industrial / manufacturing type uses

Per # 4 of the methodology, the existing Gross Floor Area for each parcel within each land use type are on file with the Community Development Department.

Per # 5 of the methodology, the existing land areas (sq. ft.) for each parcel within each land use type are on file with the Community Development Department.

Per # 6 of the methodology, the individual site Floor Area Ratio (FAR) for each parcel within each land use type are on file with the Community Development Department.

Per # 7, of the methodology, the following total gross floor area was identified for each land use type:

- 1.7 million sq. ft of commercial type uses
- 140,000 sq. ft. of auto related / dependent uses
- 1.2 million sq. ft. of office type uses
- 5.1 million sq. ft. of light industrial / manufacturing

Per # 8 of the methodology, the following total land area were identified for each land use type:

- 10,715,760 sq. ft. (246 acres) of commercial type uses
- 1,045,440 sq. ft. (24 acres) of auto related / dependent uses
- 5,009,400 sq. ft. (115 acres) of office type uses
- 19,166,400 sq. ft. (440 acres) of light industrial / manufacturing

Per # 9 of the methodology, the following Effective FAR's were identified for each land use type:

- .18 for commercial type uses
- .13 for auto related / dependent uses
- .24 for office type uses
- .26 for light industrial / manufacturing

Per # 10 of the methodology, the following AVERAGE FAR's were identified for each land use type:

- .36 for commercial type uses
- .18 for auto related / dependent uses
- .34 for office type uses
- .29 for light industrial / manufacturing

\*\* The AVERAGE FAR, although higher than the Effective FAR, is a more accurate representative of "on the ground conditions" based upon factors such as actual site characteristics (lot size, environmental constraints), zoning standards, local decisions on discretionary zoning permits and general market forces.

Per # 11 of the methodology, the capacity for additional gross square footage for each parcel within each land use type are on file with the Community Development Department.

Per # 12 of the methodology, the following Capacity for additional square feet were identified within each land use type:

| Land Use type | Capacity for Additional Square footage |
|---------------|--|
| Commercial    | 1,360,000 – 1,719,658                  |
| Auto related  | 38,858 – 48,573                        |
| Office        | 381,201 – 476,502                      |
| Ind / Manu    | 325,955 – 407,444                      |
| Totals        | 2,106,014 – 2,652,177                  |

\*\* The additional square footages is presented as a range from a low to a high. The high range represents the totals based upon #11 of the methodology. The low range represents a 20% reduction based upon a variety of “unknown factors” such as site specific characteristics (wetlands), local decisions on discretionary zoning permits and general market forces.

***EXAMPLE OF METHODOLOGY***

The below table outlines the methodology for auto related / dependent uses. The column and / or cell related to each # of the methodology per labeled.

| Map /<br>Block/ Lot | LUC  | Street # | Street Name   | # 2<br>Land Use type | #4<br>Existing<br>Gross<br>Floor<br>Area | #5<br>Gross Land<br>Area | # 6<br>site FAR | .18 FAR | # 11<br>capacity<br>to .18<br>FAR |        |
|---------------------|------|----------|---------------|----------------------|--|--------------------------|-----------------|---------|-----------------------------------|--------|
| 15-19-3             | 3300 | 176      | MIDDLESEX ST  | Office Bldg          | 768                                      | 0.365794310              | CB              | 0.05    | 2,868                             | 2,100  |
| 9-10-1              | 330I | 52       | TYNGSBORO RD  | Auto Sales Rpr       | 7824                                     | 0.938934800              | CB              | 0.19    | 7,362                             | -462   |
| 8-12-8              | 331  | 65       | TYNGSBORO RD  | Commercial           | 1841                                     | 1.060009180              | CB              | 0.04    | 8,311                             | 6,470  |
| 4-3-4               | 3310 | 170      | TYNGSBORO RD  | Auto Sales Rpr       | 11118                                    | 0.688705230              | CB              | 0.37    | 5,400                             | -5,718 |
| 8-10-11             | 3320 | 112      | TYNGSBORO RD  | Service Shop         | 3469                                     | 0.378236910              | CB              | 0.21    | 2,966                             | -503   |
| 14-19-26            | 3320 | 164      | MIDDLESEX ST  | Service Shop         | 2520                                     | 0.487534440              | CB              | 0.12    | 3,823                             | 1,303  |
| 14-19-28            | 3320 | 154      | MIDDLESEX ST  | Service Shop         | 7220                                     | 1.900000000              | CB              | 0.09    | 14,898                            | 7,678  |
| 14-19-29            | 3320 | 160      | MIDDLESEX ST  | Service Shop         | 2820                                     | 0.313429750              | CB              | 0.21    | 2,458                             | -362   |
| 14-19-31            | 3320 | 170      | MIDDLESEX ST  | Service Shop         | 2112                                     | 0.319100090              | CB              | 0.15    | 2,502                             | 390    |
| 19-59-6             | 3320 | 117      | PRINCETON ST  | Service Shop         | 3120                                     | 0.839325070              | CB              | 0.09    | 6,581                             | 3,461  |
| 19-59-8             | 3320 | 123      | PRINCETON ST  | Service Shop         | 3708                                     | 0.701193760              | CB              | 0.12    | 5,498                             | 1,790  |
| 100-378-4           | 3320 | 7        | OAK ST        | Service Shop         | 13440                                    | 1.000000000              | CB              | 0.31    | 7,841                             | -5,599 |
| 32-113-2            | 3320 | 10       | WESLEY ST     | Serv Sta 2-bay       | 2900                                     | 0.273393020              | CC              | 0.24    | 2,144                             | -756   |
| 63-234-1            | 3320 | 15       | KATRINA RD    | Service Shop         | 13012                                    | 2.210009180              | IA              | 0.14    | 17,328                            | 4,316  |
| 100-403-6           | 3320 | 293      | LITTLETON RD  | Service Shop         | 2998                                     | 0.919651060              | IA              | 0.07    | 7,211                             | 4,213  |
| 100-403-7           | 3320 | 295      | LITTLETON RD  | Service Shop         | 6400                                     | 0.965679520              | IA              | 0.15    | 7,572                             | 1,172  |
| 100-403-8           | 3320 | 297      | LITTLETON RD  | Service Shop         | 12834                                    | 0.918273650              | IA              | 0.32    | 7,200                             | -5,634 |
| 8-12-5              | 3340 | 81       | TYNGSBORO RD  | Gas Mart             | 3040                                     | 2.260009180              | CB              | 0.03    | 17,720                            | 14,680 |
| 27-101-3            | 3340 | 5        | DRUM HILL RD  | Gas Mart             | 1200                                     | 0.290702480              | CB              | 0.09    | 2,279                             | 1,079  |
| 27-101-9            | 3340 | 71       | DRUM HILL RD  | Gas Mart             | 3896                                     | 0.919995410              | CB              | 0.10    | 7,214                             | 3,318  |
| 73-295-18           | 3340 | 76       | CHELMSFORD ST | Gas Mart             | 1836                                     | 0.862465560              | CD              | 0.05    | 6,762                             | 4,926  |
| 73-322-4            | 3340 | 30       | CHELMSFORD ST | Service Shop         | 12614                                    | 0.252295680              | CD              | 1.15    | 1,978                             | 10,636 |
| 112-426-1           | 334S | 206      | BOSTON RD     | Serv Sta 2-bay       | 1680                                     | 0.853994490              | CA              | 0.05    | 6,696                             | 5,016  |
| 124-461-4           | 334S | 371      | ACTON RD      | Serv Sta 2-bay       | 2205                                     | 0.918273650              | CB              | 0.06    | 7,200                             | 4,995  |
| 32-113-1            | 334S | 100      | DRUM HILL RD  | Gas Mart             | 2948                                     | 0.656336090              | CC              | 0.10    | 5,146                             | 2,198  |
| 53-203-1            | 334S | 293      | CHELMSFORD ST | Serv Sta 2-bay       | 1746                                     | 0.222474750              | CC              | 0.18    | 1,744                             | -2     |
| 73-295-4            | 334S | 100      | CHELMSFORD ST | Serv Sta 2-bay       | 2405                                     | 0.229017450              | CD              | 0.24    | 1,796                             | -609   |
| 73-301-2            | 334S | 95       | CHELMSFORD ST | Gas Mart             | 912                                      | 0.234550050              | CD              | 0.09    | 1,839                             | 927    |
| 84-337-1            | 334S | 8        | LITTLETON RD  | Serv Sta 2-bay       | 1581                                     | 0.402617080              | CD              | 0.09    | 3,157                             | 1,576  |
| 84-340-1            | 334S | 30       | CENTRAL SQ    | Serv Sta 2-bay       | 1629                                     | 0.180303030              | CD              | 0.21    | 1,414                             | -215   |
| 8-11-2              | 3350 | 115      | TYNGSBORO RD  | Car Wash             | 1872                                     | 0.410399450              | CB              | 0.10    | 3,218                             | 1,346  |
| 32-110-12           | 3350 | 59       | PARKHURST RD  | Car Wash             | 2430                                     | 1.089990820              | CB              | 0.05    | 8,546                             | 6,116  |
|                     |      |          |               |                      | 140,098                                  |                          |                 |         |                                   |        |
|                     |      |          |               |                      | (# 7)                                    | 1,048,171 (# 8)          | 0.18 (# 10)     | 188,671 | 48,573                            | (# 12) |
| EFFECTIVE           |      |          |               |                      |  |                          |                 |         |                                   |        |
| FAR                 |      |          |               |                      | 0.13 (# 9)                               | 136,262                  |                 |         |                                   |        |
| AVERAGE FAR         |      |          |               |                      | 0.18                                     | 188,671                  |                 |         |                                   |        |

# APPENDIX C

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## Technical Memorandum

**April 1, 2010**



MEMORANDUM

To: Evan Belansky, AICP, Community Development Director  
From: Karen M. Cullen, AICP, Principal Planner  
Date: April 1, 2010  
RE: Report on Zoning Analysis for Redevelopment

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Executive Summary

Concord Square has completed an analysis of the Chelmsford Zoning Bylaw as well as parcel and assessor data to provide the Town with recommendations for zoning amendments and ideas for creating new overlay districts to encourage redevelopment of vacant and underutilized commercial and industrial properties throughout the town. We have found there are numerous parcels which would benefit from reduced site design standards, and modifying current permitting requirements would increase the chances that developers seeking redevelopment opportunities in the region would seriously contemplate locating in Chelmsford. There appear to be two primary categories in which parcels can be classified: existing commercial and industrial sites of any size and in any zoning district and small or undersized commercial parcels that cannot meet the stringent site design standards of the zoning bylaw.

Concord Square recommends that two overlay districts be created, one for each of the above mentioned conditions. Within these overlay districts, some or all of the current site design standards could be reduced or eliminated, and uses not currently permitted in the underlying zoning district could be permitted if certain conditions are met (which could include increased buffering, etc.). In addition, we recommend that some of the current site design standards be revised within the current zoning, thus applicable to all development in all districts.

This report addresses each of these issues and offers recommendations on how Chelmsford can deal with them to encourage economic growth and revitalization.

Introduction

Concord Square has prepared this memo in accordance with our contract for services to review the Town of Chelmsford Zoning By-law pursuant to Mass. Gen. Laws Ch. 43D Expedited Permitting. The scope of our review and a summary of our project approach for this work are outlined as follows:

- Section 1** Redevelopment policy objectives & benefits of redevelopment
- Section 2** Analysis of existing zoning provisions and processes as they apply to redevelopment
- Section 3** Case studies to examine the potential result of current zoning on redevelopment projects
- Section 4** Recommended amendments to existing zoning that would advance the Town's redevelopment objectives
- Section 5** Framework for implementation

Our work scope did not include the preparation of specific zoning language, and it is understood that the Town is in the process of preparing a Master Plan that will lead to recommendations for zoning amendments. It is anticipated that our work will be considered within future discussions of zoning and land use policy reforms to implement the Town's economic development priorities, and this memo was prepared with the intent to support such consideration.

## Section 1 – Redevelopment Objectives

### **Redevelopment Policy Objectives**

Chelmsford’s planning documents indicate that the Town is interested in facilitating redevelopment of underutilized commercial properties in a manner that enhances the municipal tax base while ensuring that redevelopment meets the Town’s standards for design and construction. One of the prioritized actions in the January 2009 *Chelmsford Economic Development Plan* (EDP) is to “encourage the development of underutilized commercial and industrial buildings.” Two other goals of importance in the EDP are to “encourage the growth of small businesses in Chelmsford” and to “grow and enhance the village business districts.”

The EDP indicates that the Chelmsford commercial tax base has been stable over the past twenty-five years, and has contributed a predictable and substantial portion to the community’s local revenue stream. The Chelmsford commercial share of property valuation is the second highest in the Lowell area, next only to Billerica. Commercial growth has continued in recent years, but at a slower rate.

Our intent in this analysis was to determine the extent to which existing permitting processes and requirements may be a disincentive to redevelopment of certain parcels, and to recommend modifications to facilitate such redevelopment consistent with Town planning objectives.

### **Benefits of Redevelopment**

- ◆ Increased property values.
- ◆ Increased compliance with zoning standards – many sites pre-date current zoning standards such as landscaping, parking, lighting, etc.
- ◆ Environmental improvements – many sites have limited or no stormwater management controls or systems, and redevelopment would ensure compliance with DEP stormwater regs to the maximum extent feasible.
- ◆ Aesthetic improvements – where none currently exists, the addition of landscaping along public ways.
- ◆ Architectural improvements – redevelopment may result in buildings with higher quality architecture that reflects a more appropriate community character.

## Section 2 – Analysis

The intent of our analysis was to determine whether the existing zoning provisions and permitting process are appropriate to encourage redevelopment of commercial and industrial properties.

### **Dimensional and Site Design Standards**

There are many sites that could be redeveloped, however, the zoning provisions are such that redevelopment of many of these sites is impractical, if not impossible. Currently, redeveloping a commercial site can be challenging and usually requires several special permits. Our examination of the zoning by-law and the permitting history of prior commercial developments indicates that most of the required special permits for commercial redevelopment pertain to parking and landscaping. These special permit requirements apply even when the proposed use is allowed in a zoning district as-of-right.

One of the stated policy objectives in Chelmsford's planning is to channel new investment toward developed sites and to encourage redevelopment of underutilized sites. However, the existing commercial zoning applies uniformly (in a one size fits all approach) to new development as well as redevelopment, and, because of the issues raised above does not provide positive reinforcement of this policy intent. These standards include lot sizes, parking ratios, and landscaping. Conversely, the Center Village (CV) district seems to have been strategically crafted based upon the unique characteristics of the district and the desired redevelopment objectives. This type of specialized zoning could serve as a model for redevelopment of commercial or industrial properties throughout the town.

Current zoning requirements include specific prescriptive site design standards, and any reductions require a special permit. Often, a domino effect occurs where multiple special permits are needed for a development that does not meet the minimum requirements of one item. Section 4 of this report, Recommended Amendments, will provide details on this. The requirements for parking and loading (Sections 195-16 through 21) and landscaping (Sections 195-41 through 46), while written with good intentions to protect adjacent residential uses, lack flexibility (without a special permit) and inadvertently encourage project designers to design for zoning compliance rather than what makes the most sense for the particular site and its situation. Furthermore, it is likely that for redevelopment projects, one or more special permits to gain approval of a plan that cannot physically meet all of these parking and landscaping requirements is the rule rather than the exception. This results in there being no predictable outcomes since each special permit decision is based on site specific circumstances and the Special Permit Granting Authority (SPGA) has the discretion to grant approval or not. If everyone must seek special permits to reduce the requirements in one fashion or another, then the zoning requirements themselves are too strict, at least for redevelopment projects on smaller parcels.

Some common challenges for redevelopment proposals include:

- ◆ For some parcels, when all the required setbacks and buffers are complied with, the maximum amount of space left for building on is significantly smaller than the FAR standard.
- ◆ For sites abutting a residential use or property, an additional 20' side and rear yard is required.
- ◆ Site design is often limited to locating the building in the middle of the lot due to the setback and landscaping requirements.
- ◆ Requirement for 150' separation between curb cuts is not achievable in many cases.
- ◆ Parking lot design can be limited by the restriction that dead-end parking aisles cannot exceed five parking spaces.
- ◆ Parking ratios are higher than common standards.

## Analysis of Permitting Process

First, a brief discussion of how special permits influence redevelopment is in order. Commercial developers favor by-right permitting (approval by site plan only, without special permits) because of the improved predictability and shorter process that it offers. Not only does this matter for the actual permitting process, it also plays a significant role in a commercial developer's decision whether to pursue permitting in the first place. A developer's initial investment in site acquisition, due diligence and project design is all at risk up until a project is constructed and occupied, and that risk is perceived as substantially greater when one or more special permits are required. The allowance for more by-right development in Chelmsford can be expected to affect the development decisions of commercial entities looking to locate or expand in the region.

Current zoning requirements result in a situation where, for most commercial redevelopment sites, there is no by-right zoning, since virtually all sites will need at least one special permit. This is further complicated by the fact that both the Planning Board and Zoning Board of Appeals act as Special Permit Granting Authorities (SPGA), and sometimes an applicant must submit applications to both for a single project. In addition to special permits for some uses (twelve commercial uses require a special permit from either the ZBA or, less commonly, the Planning Board), special permits are needed to gain some level of variation from standards for design issues. The Planning Board is the SPGA for more than a dozen special permits for things such as nonconforming uses or structures, parking, landscaping, major business complexes (anything over 20,000 square feet GFA in commercial or industrial use), dimensional standards in the Center Village district, and two in the Aquifer Protection district (certain uses and lot coverage). The Zoning Board of Appeals is the SPGA for boundary issues of the Aquifer Protection district, uses or structures in the Floodplain district, and parking garages.

Furthermore, the ZBA serves as SPGA for many by-right uses that exceed a specified sq. ft. threshold per the Use Regulation Schedule footnote #5 which states "A special permit from the ZBA shall be required if more than 10,000 sq. ft. gross floor area is devoted to business use on the premises." This provision is applicable in CB, CC, CD and CV zoning districts for uses such as retail, restaurant and banks.

This results in a review and approval process that is not consolidated, one stop, or streamlined, and furthermore it is confusing to the applicant due to the appearance of overlapping jurisdiction and for some, the need to gain approval from two boards. While it could be argued that this approach allows more Town input to the proposal, it does not necessarily result in a better project – in fact it could weaken the Town's negotiating position since the applicant has the opportunity to present selected information to either Board in order to gain approval. It also creates the potential for the Boards to grant incompatible or conflicting approvals, which requires additional visits to each board to sort it out.

Concord Square's conclusion of this is that the current zoning does not support Chelmsford's redevelopment policy objectives. It also results in too high of a permitting risk, and too low of predictability, for many developers to propose redevelopment projects. This, in turn, results in low numbers of redevelopment projects in town, which either means a low rate of economic growth or a higher rate of development of previously undeveloped sites. To facilitate redevelopment of smaller, underutilized sites, Concord Square recommends providing an option for the Planning Board to grant waivers instead of special permits for some situations, as will be detailed in Section 4 of this report.

We found the Center Village (CV) district to have well written regulations that address the unique characteristics of the district and the Town's development and redevelopment objectives. This type of specialized zoning could serve as a model for regulations governing redevelopment of commercial or industrial properties elsewhere in town.

## Section 3 – Case Studies

In order to gauge how existing regulations either advance or impede the Town’s redevelopment objectives, we looked at two case studies and evaluated redevelopment options based on the current zoning. For this analysis, we assumed the uses would be retail, so only used one story buildings for our site plans. The zoning dimensional requirements for these case studies are summarized in the table to the right.

For each case study, we evaluated site development options given full compliance with zoning, and in some cases prepared alternate development scenarios that do not comply in all respects with current zoning requirements in order to illustrate theoretical development potential while maintaining reasonable site design standards. This was intended to identify potential opportunities for economic development that would not be permitted by existing zoning without significant zoning relief in the form of special permits and in some cases variances.

| Zoning Requirements                                    |           |            |
|--|-----------|------------|
| Case Study:  | 1         | 2          |
| Zoning District:                                       | CD        | CC         |
| Min. Lot Area:   | 10,000 sf | 100,000 sf |
| Min. Lot Width:  | 50'       | 200'       |
| Min. Lot Depth:  | 0'        | 200'       |
| Min. Frontage:   | 50'       | 200'       |
| Min. Front Yard:                                       | 20'       | 60'        |
| Min. Side Yard:  | 10' *     | 30' *      |
| Min. Rear Yard:  | 10' *     | 30' *      |
| Max. Bldg Coverage:                                    | 40%       | 30%        |
| Max. Stories:  | 4         | 3          |
| Max. Height:   | 45'       | 35'        |
| Max. FAR:  | 0.45      | 0.35       |
| <i>* Plus 20' if abutting residential use or zone.</i> |           |            |

### Case Study 1: 29 Chelmsford Street – Papa Gino’s

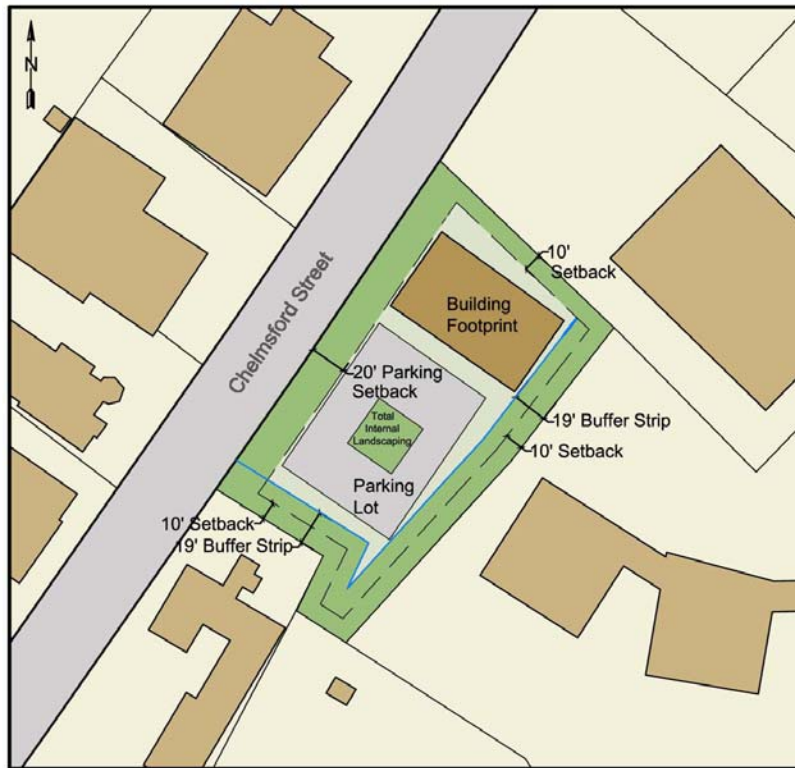
29 Chelmsford Street is zoned CD, General Commercial. The existing developed site is almost completely impervious and the parking extends to the street. It is an existing Papa Gino’s restaurant located in the Center Village/Chelmsford Street area, a commercial corridor that is envisioned within the EDP as a lively, mixed-use village with increased retail and commercial activity.



We created a schematic site plan for this site to evaluate the potential for commercial redevelopment in compliance with the current Zoning By-law (see Figure 1 on next page). The results show a site layout which is fairly inflexible. The zoning requires a 20’ parking setback in the front and 19’ parking buffer strip in the back and along the southwest property line, because the site abuts a residential use and zone. Because of these restrictions, it would not be possible to place the parking behind the building, which in other cases may be favored to reinforce a village design character. However, if these zoning requirements were loosened, it would provide more flexibility in site design and would allow some of the parking to be placed behind the building.

The maximum allowed building coverage for the site is 40%. However, the combined effect of the parking and setback requirements constrains site development to the point that our site design was only able to achieve 16% coverage of the site.

To design this site with a more creative layout, the applicant would need to receive several special permits under the current zoning including § 195-21 Parking and loading area design and location and § 195-44 A & C Parking areas.

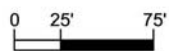


**Figure 1**

**29 Chelmsford Street**

Zoning: CD  
 Lot Size: 24,100 s.f.  
 Building Footprint: 3,900 s.f.  
 Required Parking: 19 spaces  
 Parking Area: 5,700 s.f.  
 Total Impervious: 9,600 s.f.  
 Internal Landscaping: 855 s.f.  
 Buffer Area: 11,150 s.f.  
 Max Building Coverage: 40%  
 Site Building Coverage: 16%  
 Loading Berth: N/A (<5,000s.f.)

November 10, 2009



Note: Location and configuration of internal landscaping is conceptual and intended only to illustrate total landscaped area.

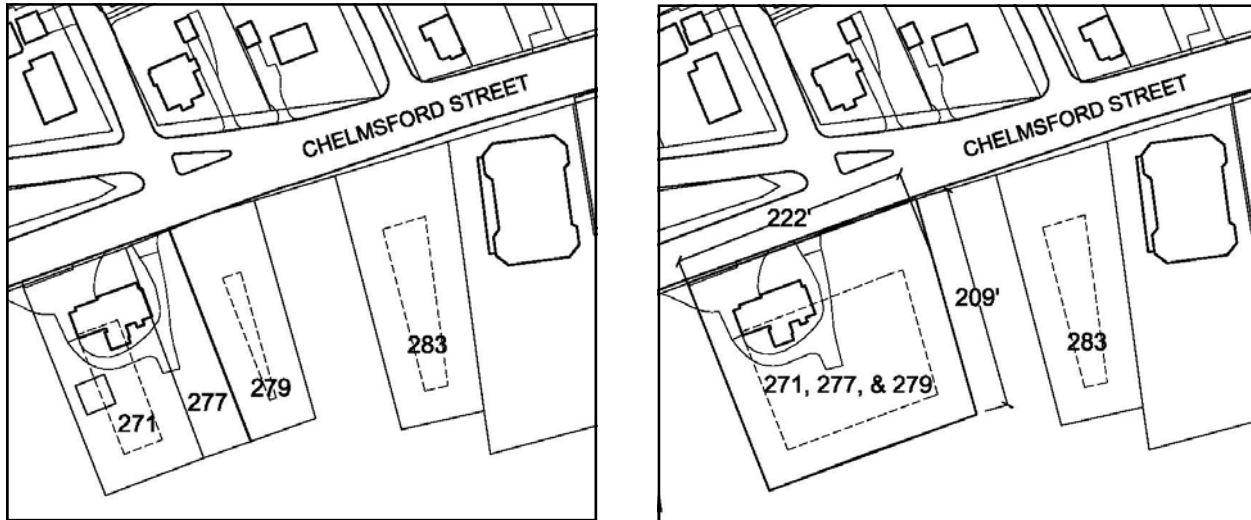


**Case Study 2: 271, 277, 279, and 283 Chelmsford Street – Shopping Center Out-Parcels**

These four parcels are zoned CC, Shopping Center District. They are in the Chelmsford Street/North area, which the EDP envisions as a location for premier local retail. Three of these sites are currently vacant, the fourth is occupied with a small retail store. All four of these sites are non-conforming with current zoning standards (do not meet the minimum lot size of 100,000 square feet or the minimum frontage requirement of 200 feet), which renders them undevelopable under current zoning unless variances are granted from the ZBA.



For the purpose of our analysis, we reviewed how the CC setback requirements would affect the study parcels leaving aside for the moment the issues of nonconforming lot area and frontage. The diagrams below illustrate the applicable setback requirements, looking at each parcel individually; and then in the hypothetical instance that the three abutting parcels were to be combined as a single parcel. The dashed lines in these diagrams outline the building envelope area.



The diagrams illustrate that, because these parcels are so narrow, the side yard setbacks and buffer requirements for parking lots would render these sites undevelopable under current zoning.

In our evaluation of an alternative development scenario, we reviewed the effect that a zero lot line for side yards would have on site redevelopment. We felt that this allowance would be reasonable considering the fact that adjacent land uses are commercial, and provided that the Town would retain authority within the permitting process to ensure that lots were designed with consideration of existing or potential future development of adjacent sites. In addition, we believe a reduction in the required front yard setback would give more flexibility in redeveloping the site while creating a strong street edge (see figures below).



## Section 4 - Recommendations for Amendments

This section identifies provisions of the Zoning By-law that pertain to commercial and industrial development and provides recommendations on how these sections could be modified, within the context of the proposed overlay districts, to allow for redevelopment without compromising public planning objectives. Zoning amendments should create incentives for redevelopment of previously developed sites as part of Chelmsford's economic development strategy. Concord Square believes that revisions to certain requirements to allow for more flexibility may encourage more creative, attractive site design while advancing the opportunity for private investment and resulting benefits of redevelopment.

The following sections provide an excerpt from the current zoning by-law, and explanation of the issues in regard to redevelopment, and Concord Square's recommendations for addressing the issues.

### ***1. Off-Street Parking***

#### ***1a. § 195-16 Off-street parking to be provided; common parking areas.***

C.(2) "A contract, agreement or suitable legal instrument acceptable to Chelmsford's Town Council shall be filed with the application for a building permit, occupancy permit or special permit for exception which shall specify the location of all spaces to be jointly used, the number of such spaces, the hours during the day that such parking shall be available and the duration or limit, if any, on such parking."

**Explanation of issue:** This language allows but does not encourage shared parking. However, the use of shared parking could offer several public benefits including minimized impervious area, consolidation of curb cuts, and enhancement of the pedestrian environment. The requirement for a legally binding contract is onerous and cost prohibitive for a small development, and in practice would be difficult to enforce.

**Recommendations:** One way to provide flexibility without creating potential abutter problems would be to allow owners of sites where a limited number of parking spaces to be shared – perhaps up to 10 spaces – to obtain a written agreement with the other owner without it being a formal legal document. The second point here is that if the parking ratio standards were reduced, the number of projects that would need shared parking should decline.

#### ***1b. § 195-16 Off-street parking to be provided; common parking areas.***

C.(3) "Any reduction in area required for parking because of these joint use provisions shall be reserved in landscaped open space. Such area shall be computed at the rate of 400 square feet per parking space."

**Explanation:** Per the current zoning, if an owner shares 4 parking spaces with an adjacent owner, each owner will need to provide 1,600 sq. ft. of landscaped open space. It is unlikely that someone will be able to provide this open space if they are having problems meeting the parking requirement in the first place and are looking to share parking spaces with an adjacent owner.

**Recommendation:** We recommend disregarding this regulation for all parcels in certain areas where parcels are small and commercial development is close together, such as a village or neighborhood center, and instead consider having an open space requirement as a percent of total land area (see Open Space below).

**1c. Open Space**

Because we are recommending flexibility on landscaping and buffers throughout the zoning by-law, the amount of required open space may end up being reduced. To prevent open space from being eliminated completely, we are recommending adding an open space requirement of 10 or 15 percent of the total parcel area. This will allow more flexibility in design, while still requiring open space areas. This could also decrease the amount of impervious surface of many parcels in Chelmsford (redevelopment of parcels that currently have very little if any open space).

**1d. § 195-17 Minimum parking requirements.**

| Use                               | Number of Spaces   |
|-----------------------------------|--|
| Stores, retail business and       | 1 space per 200 square feet of net floor area or a minimum of                              |
| Business and professional offices | 1 space per 200 sq. ft. net floor area   |
| Fast-food establishments          | 1 space per 50 square feet of net floor area   |
| Banks, libraries and post offices | 1 space per 100 square feet of floor area devoted to public use, plus 1 space per employee |

**Explanation:** The required number of parking spaces for commercial uses are higher than “normal” suburban standards. Many communities nationwide are trying to reduce the amount of impervious surfaces in their developments and are realizing that most of the year many of the parking lots are sitting half empty. In such cases, a reduction in the required parking can provide a benefit by decreasing stormwater runoff from parking lots which leads to non-point source pollution, decrease the micro-climate effects of expanses of pavement, and increase pedestrian safety by minimizing distances from parked vehicles to destinations. For redevelopment, a reduction in the number of required spaces will likely eliminate the need for a special permit, thus increasing the chances that redevelopment will occur.

**Recommendation:** Concord Square recommends reducing required parking for many of these uses to be more consistent with commercial parking ratios in other suburban communities. Reducing retail parking from 1 space per 200 sq. ft. to 1 space per 250 or 275 sq. ft. would be a reasonable reduction. Likewise, reducing office parking from 1 per 200 sq. ft. to 1 per 350 or 400 sq. ft. would be consistent with national standards. Parking requirements for fast food establishments could be significantly reduced from 1 per 50 sq. ft to 1 per 100 sq. ft. Finally, while banks and such typically have many customers over the course of the day, with modern banking there is no need to require so many spaces, the ratio could be reduced to 1 space per 250 sq. ft. It would be wise to perform a detailed search of parking ratios that Chelmsford is comfortable with, but these figures provide a starting point.

**1e. § 195-20 Off-street loading.**

“All buildings requiring the delivery of goods, supplies or materials or shipments of the same shall have bays and suitable maneuvering space for off-street loading of vehicles in accordance with the following:

A. Retail stores and services. For each establishment with a net floor area from 5,000 to 8,000 square feet, at least one berth shall be provided. Additional space is required at the rate of one

berth per 8,000 square feet or nearest multiple thereof. Where two or more such establishments are connected by a common wall, such as in a shopping center, common berths may be permitted for the use of all establishments at the rate of one berth space per 8,000 square feet in the entire shopping center.

**Explanation:** There are 260 parcels that are zoned commercial and are within the EDPA which have buildings on them; the mean building size is 10,247 square feet. 27 of these parcels have buildings between 8,000 and 12,000 square feet. Given the need for parking and landscaping, as well as the questionable need for more than one loading berth for retail businesses smaller than 12,000 (presumably multiple delivery trucks would not be at the site at the same time), it is believed the public good would be better served by allowing retail businesses up to 12,000 square feet to have only one loading berth.

**Recommendation:** Concord Square recommends an increase in square footage needed before a second loading bay is required, from 8,000 square feet to 12,000 square feet. This amendment should apply to all retail uses regardless of location (don't limit this benefit to any overlay district).

**1f. § 195-21 Parking and loading area design and location.**

A. "No off-street parking area shall be located within 10 feet of a property line or within 20 feet of a street right-of-way."

**Explanation:** A 20' setback from the right-of-way can make parking layout options on small parcels challenging.

**Recommendation:** For parcels in the overlay district we recommend reducing setback requirements for parking to 10' from the street right-of-way, provided the reduced setback is planted with appropriate buffering vegetation.

**1g. § 195-21 Parking and loading area design and location.**

D. "All required parking areas except those serving single family residences shall be paved, unless exempted on special permit from the Planning Board for such cases as seasonal or periodic use where unpaved surfaces will not cause dust, erosion, hazard, or unsightly conditions."

**Explanation:** This requirement limits the ability of a property owner to use low impact development types of pavement such as grass pavers, stabilized pavers, or even (arguably) pervious pavement.

**Recommendation:** We recommend revising the language of this provision to allow pervious pavement in all areas and paver type products in areas or larger parking lots where heavy traffic is unlikely to occur (i.e. the spaces less likely to be occupied on a regular basis). This amendment should apply to all properties, not just those in an overlay district.

**1h. § 195-21 Parking and loading area design and location.**

G. "No dead-end aisle shall exceed five parking spaces in width."

**Explanation:** This requirement limits parking options on small or oddly shaped sites and for some, it makes meeting required parking infeasible.

**Recommendation:** We recommend disregarding this requirement in the overlay districts or changing the requirement to allow for more spaces, say 15, in a dead-end aisle.

***1i. § 195-21 Parking and loading area design and location.***

J. Parking areas with 20 or more spaces. The following shall apply to entrances or exits to all parking areas with 20 or more spaces:

(1) Entrance or exit center lines shall not fall within 50 feet of an intersection of street side lines or within 150 feet of the center line of any other parking area entrance or exit on the same side of the street, whether on the same parcel or not, if serving 20 or more spaces. Uses shall arrange for shared egress if necessary to meet these requirements.”

**Explanation:** 150’ between curb cuts for parking entrances/exits would not be achievable in many places, in fact many existing sites do not conform to this requirement. In addition, many property owners do not want to allow shared access with abutting properties due to liability issues as well as the fear that their parking will be used by the abutting uses.

**Recommendation:** We recommend relief for owners of pre-existing sites with curb cuts less than 150’. Concord Square suggests a better approach would be to allow the Planning Board to waive the requirement during site plan review rather than require a special permit. This should apply to all sites in town since it is an issue that is not unique to any overlay district.

***2. Landscaping and Buffers***

***2a. § 195-43 Property lines – Screening.***

“Property lines with residential uses or districts shall be screened from nonresidential uses by means of plantings or maintenance of trees of a species common to the area and appropriate for screening, spaced to minimize visual intrusion, and providing an opaque year-round visual buffer between uses. Such plantings shall be provided and maintained by the owner of the property used for nonresidential purposes. The buffer area may contain walks, sewerage and wells, but no part of any building, structure or paved space intended for or used as a parking area may be located within the buffer area. Planted buffer areas along property lines with residential districts or uses shall be of the following minimum depth in each district:” [Table lists 10 feet for the CA and CD districts and 30 feet for the CB and CC districts.]

**Explanation:** In the CB and CC district, a 30’ rear or side buffer can make redeveloping smaller lots very difficult. In addition, the zoning requires screening in the form of trees which provide “an opaque year-round visual buffer” which means they should be evergreen trees planted in the following manner, as described in the Planted Areas section of the zoning ordinance:

**§ 195-46. E.** “Evergreens shall be a minimum of eight feet in height at the time of planting and shall be spaced five feet on center when planted in a single row. When planted in a double row, each row of evergreens shall be spaced 10 feet on center.”

**Recommendation:** We recommend reducing the screened buffer between nonresidential and residential in the overlay district to 15’, which is suitable for a row of evergreens. Additionally, there could be an allowance for a reduction in the buffer in exchange for a quality wood fence with landscaping on both sides (to be maintained by the commercial property owner).

**2b. § 195-44 Parking areas – Landscaping.**

A. “Parking areas with more than 10 spaces shall contain 150 square feet of planted area for every 1,000 square feet of pavement related to parking spaces and aisles. Such planted areas shall be appropriately situated within the parking area and contain an appropriate mix of shade trees and other plants.”

**Explanation:** This means that a planted area of 15% of the total parking area is required.

**Recommendation:** We recommend a more flexible regulation for landscaping in parking areas in the overlay districts, with the addition of a provision to allow the Planning Board to reduce or waive the requirement for sites that demonstrate it cannot be met (without requiring a special permit).

**2c. § 195-44 Parking areas – Buffers.**

C. Buffer strips between parking lots and rear or side lot lines shall meet the following specifications:

- Up to 10 spaces in parking lot, provide a 10 foot buffer
- Between 11 and 24 spaces, provide a buffer of 10 feet plus 1 foot per space over 10
- 25 or more spaces, provide a 25 foot buffer.

**Explanation:** A 10'-25' buffer strip in the side yard between two commercial uses is unnecessary, and in areas where the town is trying to encourage a pedestrian environment, it is counter-productive since it forces buildings and uses to be physically separated by too great a distance to establish a “human scale” environment.

**Recommendation:** For sites in the overlay districts we recommend that if the adjacent uses are commercial, side yard buffer strips should be eliminated. We recommend keeping a 10' buffer in the rear yard. As discussed in item 2a, when a residential use or district abuts a property line, there should be a 15' buffer.

**2d. § 195-45 Street frontage of nonresidential uses.**

“With the exception of the CA, CD and P Districts, a landscaped buffer area, except for approved accessways, at least 20 feet in width as measured from the layout of the roadway providing frontage shall be established. In the CA, CD and P Districts the required landscaped buffer area shall be 10 feet. The buffer area shall be planted with grass, medium-height shrubs and shade trees. Shade trees shall be planted at least every 35 feet along the road frontage.”

**Explanation:** A 20' landscape buffer fronting the roadway may hinder site design and will keep buildings set far back from the road, creating a repetitive streetscape and diminishing visibility of the commercial use.

**Recommendation:** We recommend eliminating this requirement in the overlay districts. If an open space requirement is added (see item 1c) it would allow for flexibility in site design while still requiring green space. We recommend keeping the requirement that shade trees be planted at least every 35' along the road frontage, when it is feasible to do so.

**2e. § 195-46 Planted Areas.**

“Planted areas shall contain an appropriate mix of the following types of plants. Plant species shall be appropriate to proposed use, siting, soils and other environmental conditions. Where the Planning Board determines that the planting of trees is impractical, the permit applicant may substitute shrubbery for trees.

D. Deciduous trees shall be at least two inches in caliper as measured six inches above the root ball at time of planting. Deciduous trees shall be expected to reach a height of 20 feet within 10 years after planting.

E. Evergreens shall be a minimum of eight feet in height at the time of planting and shall be spaced five feet on center when planted in a single row. When planted in a double row, each row of evergreens shall be spaced 10 feet on center. These minimum standards may be reduced by the Planning Board, subject to the recommendation of an arborist, landscape architect, or other competent individual. Areas planted in conformance with this subsection shall, at the time of planting, be deemed to comply with the opacity requirement of § 195-43.”

**Explanation:** These requirements are quite prescriptive and could result in monotonous landscaping.

**Recommendation:** Concord Square recommends that for paragraph D, replace “reach a height of 20 feet within 10 years” with “reach mature height or a height of 20 feet within 10 years”, and for paragraph E, change “eight feet in height” to “six feet in height”.

**3. Setbacks**

**3a. § 195 Attachment 2: Table of Dimensional Requirements.**

| Dimensional Requirements         | Districts       |                 |                 |                 |
|----------------------------------|-----------------|-----------------|-----------------|-----------------|
|                                  | CA              | CB              | CC              | CD              |
| <b>Minimum Lot Requirements</b>  |                 |                 |                 |                 |
| Area (x 1,000 square feet)       | 20              | 40              | 100             | 10              |
| Width (feet)                     | 125             | 150             | 200             | 50              |
| Depth (feet)                     | 125             | 0               | 200             | 0               |
| Frontage (feet)                  | 125             | 150             | 200             | 50              |
| <b>Minimum Yard Requirements</b> |                 |                 |                 |                 |
| Front (feet) <sup>3</sup>        | 20              | 60              | 60              | 20              |
| Side (feet)                      | 10 <sup>6</sup> | 30 <sup>6</sup> | 30 <sup>6</sup> | 10 <sup>6</sup> |
| Rear (feet)                      | 10 <sup>6</sup> | 20 <sup>6</sup> | 30 <sup>6</sup> | 10 <sup>6</sup> |
| <b>Maximum Building</b>          |                 |                 |                 |                 |
| Coverage                         | 15%             | 30%             | 30%             | 40%             |
| Stories                          | 3               | 4               | 3               | 4               |
| Height (feet)                    | 35              | 45              | 35              | 45              |
| Floor area ratio                 | .45             | .45             | .45             | .45             |

Footnote 6: Increase by 20 feet where abutting a residentially used or zoned property.

*Excerpt of Table of Dimensional Requirements*

**Explanation:** The setback requirements for commercial districts are quite strict and allow for very limited flexibility in site design. The additional side and rear setback of 20’ for lots abutting a residentially used or zoned property make site design extremely challenging. In addition, the maximum building coverage of 15% for the CA district seems low, and should likely be increased.

**Recommendation:** We recommend reducing the front yard building setback to 15', and the side and rear yard building setback to 10', except when abutting residential used or zoned property, when it should be at least 15' (to be consistent with buffers).

## Section 5 - Framework for Implementation

The goal of Concord Square’s analysis was to recommend zoning amendments that would improve the opportunity for economic development in Chelmsford without compromising the public interest in ensuring reasonable development design. The previous sections discussed the issues that are most likely to create roadblocks to redevelopment and recommendations for zoning amendments to address them. This section will discuss why and how Chelmsford should adopt an overlay district to specifically address redevelopment opportunities.

### **Why Adopt Redevelopment Zoning?**

Based on Sections 1 through 4, Concord Square recommends that one or more “redevelopment” overlay districts could be created to serve the following purposes:

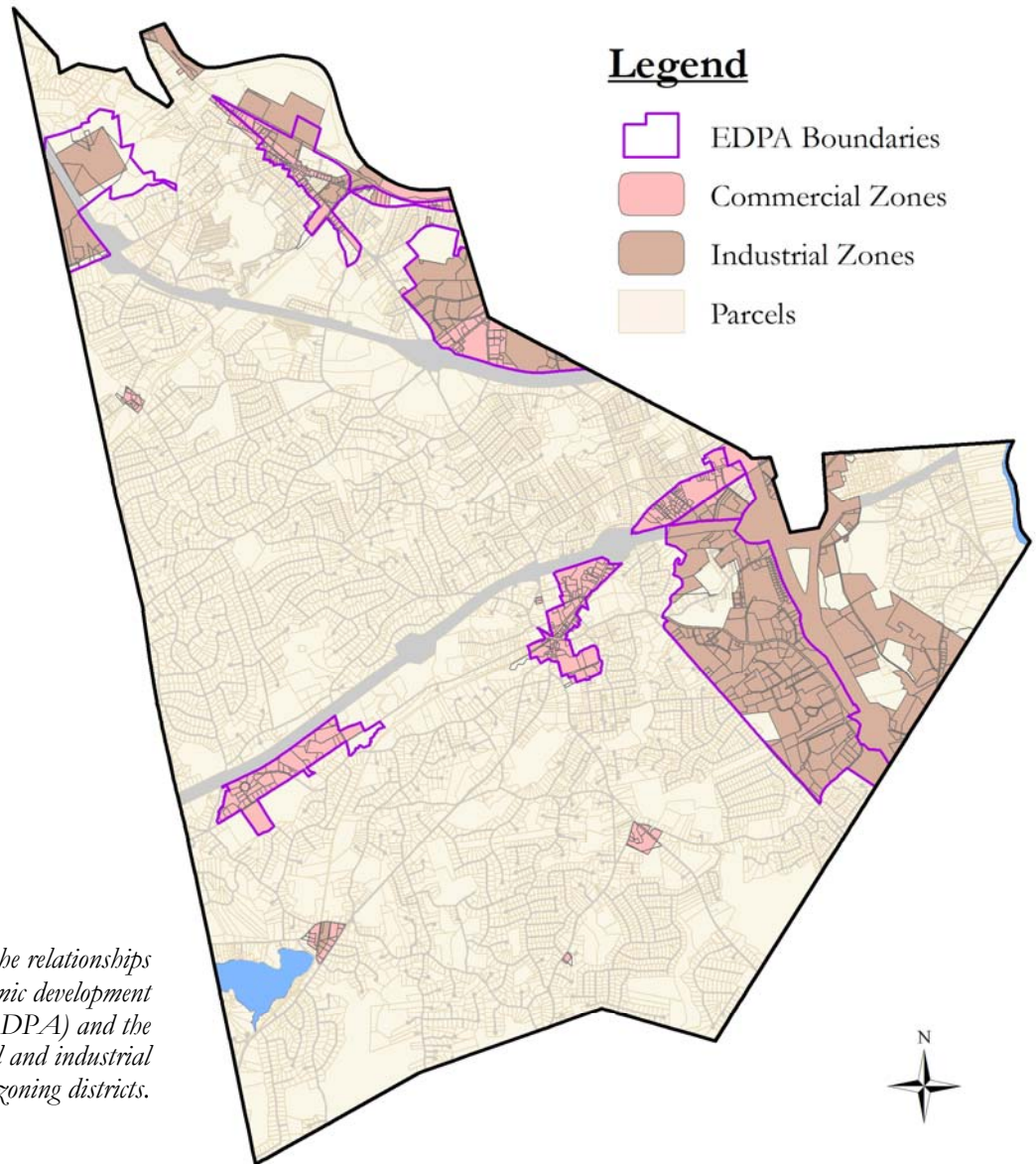
- ◆ Achieve benefits of redevelopment
  - ◆ Increased property values.
  - ◆ Increased compliance with zoning standards—many sites predate current zoning standards such as landscaping, parking, lighting, etc.
  - ◆ Environmental improvements – many sites have limited or no stormwater management controls or systems, and redevelopment would ensure compliance with DEP stormwater regs to the maximum extent feasible.
  - ◆ Aesthetic improvements – where none currently exists, the addition of landscaping along public ways.
  - ◆ Architectural improvements – redevelopment may result in buildings with higher quality architecture that reflects a more appropriate community character.
- ◆ Prioritize and incentivize redevelopment of underutilized, abandoned, obsolete, vacant, and nonconforming properties.
- ◆ Provide for expedited and/or streamlined permitting.
- ◆ Provide for reduced and/or flexible site design standards.
- ◆ Provide for by-right uses.

### **What Types of Parcels Should be Targeted?**

Based upon our analysis of the zoning bylaw, case studies and a review of the assessors database, we view commercial and industrial redevelopment opportunities within one of two primary categories:

1. commercial and industrial parcels of any size and in any zoning district and;
2. small or undersized parcels in any commercial zoning district.

A quick GIS analysis shows there are 778 parcels with a total of 1,744 acres in the seven Economic Development Priority Areas (EDPA) from the 2009 Economic Development Plan. A query of the assessor’s database finds there are 459 parcels with a use classification of either commercial or industrial, although some of these are multiple parcels in the same ownership and with a single building and parking occupying both parcels. In addition, there are 388 parcels zoned commercial and 330 zoned industrial; 128 of those parcels fall outside the EDPA: 49 are commercial and 79 are industrial. Many of these parcels outside the EDPA are located within the village centers of south Chelmsford. Based on discussions with Chelmsford’s Community Development Director, it is understood there are also 28 commercial and industrial parcels that are NOT located in a commercial or industrial zoning districts. The figure on the following page shows the EDPA and the commercial and industrial zoning.



*This map shows the relationships of the economic development priority areas (EDPA) and the commercial and industrial zoning districts.*

An analysis was done of the parcel sizes to determine what percentage of commercially zoned parcels meet the minimum lot size requirements in the zoning by-law. The results show that on average, 55% of the commercially zoned parcels meet the minimum lot size, or conversely, 45% are undersized and classified as non-conforming and therefore would require significant zoning relief for development or redevelopment. The breakdown by district is:

- ◆ CA = 64 parcels, 28 meet 20,000 sf minimum (44%)
- ◆ CB = 127 parcels, 69 meet 40,000 sf minimum (54%)
- ◆ CC = 44 parcels, 11 meet 100,000 sf minimum (25%)
- ◆ CD = 118 parcels, 87 meet 10,000 sf minimum (74%)

Based on this analysis and an analysis of the current zoning, it appears the most significant problems in regard to redevelopment of smaller parcels are the setback, buffer, landscaping, and parking requirements. While somewhat arbitrary, it is believed that parcels less than 30,000 square feet are the most severely impacted by the current standards.

### **What Types of Projects Should be Applicable?**

Based upon the case studies, a review of the assessors database and input from the Community Development Director, Concord Square recommends that the term “redevelopment” be applicable to the following types of projects:

- ◆ Proposed modifications or change to an existing commercial or industrial non-conforming use or structure.
- ◆ Proposed demolition and re-construction of 50% or more of an existing building.
- ◆ Reuse of an existing or former commercial or industrial use, now 50% or more vacant.
- ◆ Proposed re-construction of an existing parking lot/area.

### **What are the Keys for a Successful Redevelopment Bylaw?**

In order to prioritize redevelopment and economically incentivize it as the preferred option, the new overlay districts should provide for expedited and/or streamlined permitting, reduced and/or flexible dimensional and site design standards, and for by-right uses. In addition to the recommendations contained in Section 4, the following specific recommendations are provided for consideration:

- ◆ Consolidate permitting process into one Board, the Planning Board, for all zoning approvals for commercial and industrial projects.
- ◆ Reduce regulatory threshold from special permits to waivers and/or findings for site design standards such as landscaping and parking.
- ◆ Permit zero side lot line setbacks for commercial and industrial parcels, for both structures and parking, that do NOT abut residential uses or districts.
- ◆ Enhance flexibility for site design standards for commercial and industrial parcels that do NOT abut residential uses or districts.
- ◆ Eliminate existing special permits such as Major Business Complex or certain retail over 10,000 sq. ft.
- ◆ Allow by-right uses where current zoning requires special permits.

### **What are the Next Steps?**

Concord Square recommends the Town do further analysis on whatever criteria are ultimately chosen for the overlay districts to assist with determining what geographic area will be included. This will be needed to help people gain an understanding of the level of applicability—whether it will apply to a few dozen properties or a few hundred. This analysis will be helpful during the adoption process to allow town officials as well as the Town Meeting representatives to have a full understanding of the potential impacts of the proposed zoning amendments. In addition, such an analysis may lead to the conclusion that the suggested amendments should be applied “across the board” to all commercial and possibly industrial zoning districts.

The Town of Chelmsford is in the process of preparing a Master Plan that will lead to recommendations for zoning amendments; it is anticipated that this report will be considered within future discussions of zoning and land use policy reforms to implement the Town’s economic development priorities.

# APPENDIX D

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## Open Space and Recreation Parcel Inventory

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |                  |       |              |              |   |                    |               |        |                     |       |                         |                |                      |             |
|--|------------------|-------|--------------|--------------|---|--------------------|---------------|--------|---------------------|-------|-------------------------|----------------|----------------------|-------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map              | Block | Lot          | Acres        | Name  | Address            | Land Use Code | Zoning | Level of Protection | Owner | Manager                 | Use            | Recreation Potential | Book - Page |
| <b>Permanently Protected Parcels</b>                                   |                  |       |              |              |   |                    |               |        |                     |       |                         |                |                      |             |
| <b>PUBLIC LANDS</b>  |                  |       |              |              |   |                    |               |        |                     |       |                         |                |                      |             |
| <b>State</b>   | 87               | 271   | 1            | 27.64        |   | Billerica Rd       | 9240          | IA     | Permanent           | State | Mass DOT                | Rt3 mitigation | No                   | 11152 / 95  |
|  | 87               | 271   | 6            | 7.91         |   | Middlesex Turnpike | 9240          | IA     | Permanent           | State | Mass DOT                | Rt3 mitigation | No                   | 11152 / 95  |
|  | 133              | 475   | 26           | 20.60        |   | Proctor Rd         | 910           | RB     | Permanent           | State | DCR                     | DEM            | No                   |             |
|  |                  |       |              | 8.82         | Bruce Freeman Trail                                       |                    |               |        | Permanent           | State | Mass DOT                | Recreation     | Yes                  |             |
|  | <b>4 Parcels</b> |       | <b>Total</b> | <b>64.97</b> |   |                    |               |        |                     |       |                         |                |                      |             |
| <b>Town</b>  | 7                | 4     | 11           | 15.67        | Deep Brook Reservation                                    | Dunstable Rd       | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      |             |
|  | 8                | 4     | 10           | 0.40         |   | Swan Drive         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2088 / 27   |
|  | 8                | 4     | 12           | 0.40         | Swain's Pond  | Swan Drive         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2088 / 27   |
|  | 8                | 4     | 13           | 0.40         |   | Swan Drive         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2088 / 27   |
|  | 8                | 4     | 15           | 0.52         |   | Swan Drive         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2088 / 27   |
|  | 8                | 4     | 18           | 0.40         | Swain's Pond  | Swan Drive         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2088 / 27   |
|  | 8                | 4     | 19           | 0.44         |   | Swan Drive         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2088 / 27   |
|  | 8                | 4     | 20           | 0.43         |   | Swan Drive         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2088 / 27   |
|  | 8                | 4     | 21           | 0.52         |   | Swan Drive         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2088 / 27   |
|  | 8                | 4     | 22           | 2.89         | Swain's Pond  | Swain Pond         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | LCD 63453   |
|  | 8                | 10    | 27           | 2.35         | Frank Brox  | Tyngsborough Rd    | 903V          | CB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 11212 / 278 |
|  | 18               | 41    | 23           | 0.52         |   | Willis Dr          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 4876/311    |
|  | 18               | 41    | 25           | 2.52         |   | Willis Dr          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 4876/311    |
|  | 18               | 41    | 28           | 0.24         |   | Willis Dr          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 4876/311    |
|  | 19               | 48    | 30           | 4.00         | Freeman Lake / Tax Taking 1970                            | Shore Dr           | 903V          | RB     | Permanent           | Town  | Conservation Commission | Spillway       |                      | 1942 / 689  |
|  | 19               | 86    | 1            | 0.52         | Freeman Spillway  | Shore Dr,          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Spillway       |                      |             |
|  | 24               | 98    | 13           | 21.00        | Stony Brook   | Meadow Brook Rd    | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      |             |
|  | 36               | 121   | 1            | 37.44        | Margaret Robbins Mills/ Crooked Springs Brook Reservation | Crooked Springs Rd | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 1731 / 349  |
|  | 51               | 131   | 9            | 5.31         | Jensen Ave  | Jensen Ave         | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2328 / 249  |
|  | 64               | 283   | 1            | 14.84        | Riverneck Rd Triangle                                     | Riverneck Rd       | 903V          | IA     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2045 / 187  |
|  | 65               | 271   | 13           | 9.25         | Middlesex Canal   | Riverneck Rd       | 903V          | IA     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2220 / 294  |
|  | 67               | 168   | 9            | 1.60         |   | Gorham St          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2099 / 320  |
|  | 82               | 320   | 1            | 26.23        | Lime Quarry   | Littleton Rd       | 903V          | RB     | Permanent           | Town  | Town                    | Conservation   |                      |             |
|  | 82               | 337   | 4            | 0.68         | Lime Quarry Reservation                                   | Littleton Rd       | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      |             |
|  | 83               | 320   | 1            | 25.10        | Lime Quarry Reservation                                   | Littleton Rd       | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 1797 / 242  |
|  | 83               | 320   | 36           | 6.09         |   | Littleton Rd       | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation   |                      | 2223 / 137  |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |     |       |     |       |                                |                    |               |        |                     |              |                         |              |                      |              |
|--|-----|-------|-----|-------|--------------------------------|--------------------|---------------|--------|---------------------|--------------|-------------------------|--------------|----------------------|--------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map | Block | Lot | Acres | Name                           | Address            | Land Use Code | Zoning | Level of Protection | Owner        | Manager                 | Use          | Recreation Potential | Book - Page  |
| Town (Con't)   | 85  | 324   | 30  | 0.51  | Lot 14                         | Winter St          | 903V          | RC     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2354 / 137   |
|  | 85  | 324   | 35  | 0.78  | Lot 15                         | Winter St          | 903V          | RC     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2354 / 137   |
|  | 85  | 324   | 44  | 0.85  | Lot 16                         | Winter St          | 903V          | RC     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2354 / 137   |
|  | 85  | 324   | 51  | 1.01  | Lot 17                         | Winter St          | 903V          | RC     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2354 / 137   |
|  | 87  | 271   | 12  | 20.47 | Middlesex Canal                | Lowell Tpk         | 903V          | IA     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2219 / 740   |
|  | 92  | 337   | 1   | 6.27  | Lime Quarry Reservation        | Littleton Rd       | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2223 / 140   |
|  | 95  | 368   | 11  | 0.67  |                                | 11 Harold St       | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 6218 / 67    |
|  | 95  | 368   | 12  | 0.58  |                                | 13 Harold St       | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 6218 / 66    |
|  | 95  | 368   | 46  | 2.15  |                                | University Ln      | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 6250 / 135   |
|  | 97  | 271   | 2   | 1.26  | Middlesex Canal                | Billerica Rd       | 903V          | IA     | Permanent           | Town         | Conservation Commission | Conservation |                      | 6761 / 165   |
|  | 102 | 357   | 1   | 8.23  | Robin Hill Reservation         | Acton Rd           | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2380 / 170   |
|  | 102 | 357   | 6   | 11.73 | Robin Hill Reservation         | Summit Ave         | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2329 / 302   |
|  | 102 | 357   | 8   | 2.32  |                                | Summit Ave         | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2329 / 302   |
|  | 102 | 357   | 9   | 8.85  | Robin Hill Reservation         | Acton Rd           | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2329 / 302   |
|  | 102 | 357   | 16  | 1.89  | Robin Hill Reservation         | Locust Rd          | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2329 / 302   |
|  | 102 | 410   | 3   | 30.74 | George B.B. Wright Reservation | Parker Rd          | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 1858 / 648   |
|  | 104 | 387   | 5   | 1.54  |                                | University Ln      | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 6250 / 134   |
|  | 108 | 428   | 13  | 1.05  |                                | Alcorn Rd          | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 04928 / 0144 |
|  | 108 | 428   | 21  | 5.42  | Deed 1989                      | Lori Ln            | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 04928 / 0144 |
|  | 109 | 421   | 32  | 14.00 | Community Gardens              | 168 Robin Hill Rd. | 903V          | RB     | Permanent           | Town         | Selectmen               |              | Yes                  |              |
|  | 109 | 421   | 36  | 8.52  | Community Gardens              | Robin Hill Rd.     | 903V          | RB     | Permanent           | Town         | Selectmen               |              | Yes                  |              |
|  | 110 | 410   | 2   | 1.25  |                                | 10 Dewolf Dr       | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 410   | 4   | 0.97  |                                | 15 Green Valley Dr | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 410   | 5   | 1.15  |                                | 8 Dewolf Dr        | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 5   | 1.11  |                                | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 7   | 9.96  | George B.B. Wright Reservation | Old Stage Rd       | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 9   | 1.22  |                                | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 10  | 2.15  |                                | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 18  | 1.32  | Deed 1973                      | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 21  | 1.61  | Deed 1973                      | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 25  | 0.97  | George B.B. Wright Reservation | 14 Crockett Dr     | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2145 / 431   |
|  | 110 | 415   | 28  | 0.96  | George B.B. Wright Reservation | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 34  | 0.93  | George B.B. Wright Reservation | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 37  | 0.91  | George B.B. Wright Reservation | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 42  | 0.94  | George B.B. Wright Reservation | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |
|  | 110 | 415   | 30  | 0.95  |                                | Green Valley Dr,   | 903V          | RB     | Permanent           | Conservation | Conservation Commission | Conservation |                      |              |
|  | 110 | 415   | 47  | 0.94  | George B.B. Wright Reservation | Green Valley Dr    | 903V          | RB     | Permanent           | Town         | Conservation Commission | Conservation |                      | 2074 / 718   |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |     |       |     |        |  |                          |               |        |                     |       |                         |              |                      |             |
|--|-----|-------|-----|--------|--|--------------------------|---------------|--------|---------------------|-------|-------------------------|--------------|----------------------|-------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map | Block | Lot | Acres  | Name                                       | Address                  | Land Use Code | Zoning | Level of Protection | Owner | Manager                 | Use          | Recreation Potential | Book - Page |
| Town (Con't)   | 110 | 415   | 49  | 0.93   | George B.B. Wright Reservation             | Green Valley Dr          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2074 / 718  |
|  | 110 | 415   | 54  | 0.92   | George B.B. Wright Reservation             | Green Valley Dr          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2074 / 718  |
|  | 110 | 415   | 55  | 1.32   | George B.B. Wright Reservation             | Topeka Dr                | 903V          | RB     | Permanent           | Town  | Undesignated            | Conservation |                      | LCD 66962   |
|  | 110 | 415   | 56  | 0.92   | George B.B. Wright Reservation             | Green Valley Dr          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2074 / 718  |
|  | 110 | 429   | 3   | 1.52   |  | Burning Tree Ln          | 903V          | RB     | Permanent           | Town  | Undesignated / Town     | Power Lines  |                      | 0274 / 718  |
|  | 110 | 433   | 1   | 1.13   | George B.B. Wright Reservation             | 11 Dewolf Dr             | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 20741 / 718 |
|  | 110 | 433   | 2   | 0.91   | George B.B. Wright Reservation             | 9 Dewolf Dr              | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 20741 / 718 |
|  | 110 | 433   | 7   | 6.21   |  | Burning Tree Ln          | 903V          | RB     | Permanent           | Town  | Town                    | Power Lines  |                      | 2074 / 718  |
|  | 110 | 433   | 8   | 1.02   | George B.B. Wright Reservation             | 21 Green Valley Dr       | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2074 / 718  |
|  | 111 | 412   | 34  | 5.60   | George B.B. Wright Reservation             | Old Stage Rd             | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2145 / 431  |
|  | 111 | 412   | 76  | 2.24   |  | Stage Rd                 | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 8919 / 155  |
|  | 115 | 437   | 14  | 3.10   |  | Parkerville Rd           | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2444 / 621  |
|  | 116 | 393   | 14  | 12.56  | Redwing Farm / Deed 2002                   | Maple Rd                 | 903V          | RB     | Permanent           | Town  | Conservation Commission | Redwing Farm |                      | 13881 / 6   |
|  | 118 | 415   | 1   | 0.79   | George B.B. Wright Reservation             | Old Stage Rd & Sierra Dr | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2145 / 431  |
|  | 118 | 415   | 3   | 1.06   | George B.B. Wright Reservation             | Green Valley Dr          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2074 / 718  |
|  | 118 | 415   | 4   | 0.93   | George B.B. Wright Reservation             | Green Valley Dr          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2074 / 718  |
|  | 118 | 415   | 8   | 1.00   | George B.B. Wright Reservation             | Green Valley Dr          | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2074 / 718  |
|  | 118 | 415   | 12  | 0.92   | George B.B. Wright Reservation / Deed 1959 | 9 Sierra Dr              | 9030          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 4992 / 36   |
|  | 118 | 451   | 6   | 0.41   | George B.B. Wright Reservation             | Sierra Dr & Bonanza      | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2145 / 431  |
|  | 118 | 451   | 22  | 0.53   | George B.B. Wright Reservation             | Dakota and Bonanza Rd    | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2145 / 431  |
|  | 118 | 460   | 5   | 7.35   | George B.B. Wright Reservation             | El Dorado Rd             | 9030          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2145 / 431  |
|  | 119 | 450   | 12  | 4.37   | George B.B. Wright Reservation             | Concord Rd               | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2145/431    |
|  | 121 | 431   | 1   | 132.00 | Murphy Field/ Town Forest                  | Mill Rd                  | 903V          | RB     | Permanent           | Town  | Town                    | Recreation   |                      |             |
|  | 121 | 431   | 4   | 1.37   | Execution 1976                             | South Row St             | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 6250 / 136  |
|  | 124 | 461   | 3   | 2.83   | Deed 1976                                  | Acton Rd                 | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2227 / 100  |
|  | 124 | 463   | 2   | 1.82   |  | Pond St.                 | 903V          | RB     | Permanent           | Town  | Board of Selectmen      | Recreation   |                      | 23008/292   |
|  | 124 | 468   | 15  | 0.30   |  | Pond St.                 | 903V          | RB     | Permanent           | Town  | Board of Selectmen      | Recreation   |                      | 23008/292   |
|  | 126 | 477   | 3   | 7.00   | George B.B. Wright Reservation             | El Dorado Rd             | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 2145 / 431  |
|  | 127 | 450   | 1   | 13.20  | Concord Rd Forest                          | Concord Rd               | 903V          | RB     | Permanent           | Town  | Town                    | Recreation   |                      |             |
|  | 128 | 446   | 2   | 2.18   | Deed 1967                                  | Cambridge St             | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 1791 / 540  |
|  | 128 | 446   | 36  | 0.57   | Thanksgiving Ground Forest                 | Janet Rd.                | 903V          | RB     | Permanent           | Town  | Town                    | Recreation   |                      |             |
|  | 128 | 446   | 40  | 23.12  | Thanksgiving Ground Forest                 | Concord Rd               | 903V          | RB     | Permanent           | Town  | Town                    | Recreation   |                      |             |
|  | 128 | 446   | 44  | 0.32   | Thanksgiving Ground Forest / Deed 1962     | Gary Rd                  | 903V          | RB     | Permanent           | Town  | Conservation Commission | Conservation |                      | 1583 / 568  |
|  | 128 | 446   | 51  | 6.00   | Thanksgiving Ground Forest / Deed 1962     | Concord Rd               | 903V          | RB     | Permanent           | Town  | Town                    | Recreation   |                      | 1583 / 568  |
|  | 132 | 462   | 15  | 180.00 | Cranberry Bog Reservation                  | Acton Rd                 | 9030          | RB     | Permanent           | Town  | Conservation Commission | Conservation | No                   | 0384 / 0244 |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |                    |       |              |               |  |               |               |        |                     |                             |                             |                          |                      |              |
|--|--------------------|-------|--------------|---------------|--|---------------|---------------|--------|---------------------|-----------------------------|-----------------------------|--------------------------|----------------------|--------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map                | Block | Lot          | Acres         | Name                                   | Address       | Land Use Code | Zoning | Level of Protection | Owner                       | Manager                     | Use                      | Recreation Potential | Book - Page  |
| Town (Con't)   | 135                | 446   | 1            | 4.73          | Thanksgiving Ground Forest / Deed 1962 | Concord Rd    | 903V          | RB     | Permanent           | Town                        | Town                        | Recreation               |                      | 1583 / 567   |
|  | 135                | 446   | 2            | 11.00         | Thanksgiving Ground Forest / Deed 1962 | Concord Rd    | 903V          | RB     | Permanent           | Town                        | Town                        | Recreation               |                      | 1583 / 566   |
|  | <b>100 Parcels</b> |       | <b>Total</b> | <b>778.11</b> |  |               |               |        |                     |                             |                             |                          |                      |              |
| <b>Water Districts</b>   | 29                 | 125   | 1            | 1.83          |  | Jordan St     | 9200          | RB     | Permanent           | Chelmsford Water District   | Chelmsford Water District   | Wellhead Protection      | No                   |              |
|  | 93                 | 357   | 51           | 0.94          |  | Reservoir Rd  | 903V          | RB     | Permanent           | Chelmsford Water District   | Chelmsford Water District   | Wellhead Protection      | No                   |              |
|  | <b>2 Parcels</b>   |       | <b>Total</b> | <b>2.77</b>   |  |               |               |        |                     |                             |                             |                          |                      |              |
| <b>Conservation Restriction</b>  | 125                | 443   | 1            | 5.06          | Kroll/ Calder/ Larter Pasture          | Proctor Rd    | 903V          | RB     | Permanent           | Conservation Commission     | Conservation                | Conservation Restriction |                      | 62861 / 45   |
|  | <b>1 Parcel</b>    |       | <b>Total</b> | <b>5.06</b>   |  |               |               |        |                     |                             |                             |                          |                      |              |
| <b>Total Permanently Protected Public Parcels</b>                      |                    |       |              | <b>850.91</b> |  |               |               |        |                     |                             |                             |                          |                      |              |
| <b>PRIVATE LANDS</b>   |                    |       |              |               |  |               |               |        |                     |                             |                             |                          |                      |              |
| <b>Chelmsford Land Trust</b>   | 83                 | 336   | 1            | 10.07         | Bartlett Woodlot                       | Acton Rd      | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |
|  | 83                 | 336   | 2            | 0.36          | Bartlett Woodlot                       | Acton Rd      | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 01655 / 0493 |
|  | 83                 | 337   | 15           | 1.94          | Miriam E. Warren Wetlands Preserve     | Littleton Rd  | 9030          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |
|  | 83                 | 337   | 16           | 0.33          | Miriam E. Warren Wetlands Preserve     | Littleton Rd  | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |
|  | 83                 | 337   | 17           | 0.74          | Miriam E. Warren Wetlands Preserve     | Littleton Rd  | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      |              |
|  | 84                 | 343   | 1            | 3.25          | Bartlett Park                          | 9 Bartlett St | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |
|  | 92                 | 336   | 3            | 9.00          | Bovey Memorial Woodlot                 | High St       | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |
|  | 92                 | 383   | 1            | 1.15          | McDermott / Bovey Woodlot              | High St       | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |
|  | 92                 | 383   | 2            | 0.71          | McDermott / Bovey Woodlot              | High St       | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |
|  | 92                 | 383   | 7            | 0.93          | McDermott / Bovey Woodlot              | 4 Ray Hill Dr | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |                   |       |              |               |                               |                    |               |        |                     |                             |                             |                          |                      |              |
|--|-------------------|-------|--------------|---------------|-------------------------------|--------------------|---------------|--------|---------------------|-----------------------------|-----------------------------|--------------------------|----------------------|--------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map               | Block | Lot          | Acres         | Name                          | Address            | Land Use Code | Zoning | Level of Protection | Owner                       | Manager                     | Use                      | Recreation Potential | Book - Page  |
| Chelmsford Land Trust (Con't)  | 94                | 368   | 12           | 12.74         | Archer Meadowbrook Preserve   | 17 East Putnam Ave | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |
|  | 117               | 443   | 18           | 9.06          | Kroll/ Calder/ Larter Pasture | Proctor Rd         | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation Restriction |                      | 6286 / 45    |
|  | 128               | 446   | 1            | 24.00         | Warren Wildlife Sanctuary     | Boston Rd          | 903V          | RB     | Permanent           | Chelmsford Land Con TR Inc. | Chelmsford Land Con TR Inc. | Conservation             |                      | 03690 / 0007 |
|  | <b>13 Parcels</b> |       | <b>Total</b> | <b>74.28</b>  |                               |                    |               |        |                     |                             |                             |                          |                      |              |
| <b>Conservation Restriction</b>  | 37                | 130   | 2            | 3.50          |                               | Old Farm Way       | 1320          | RB     | Permanent           | Sack Roberts TRS ETAL       | Private                     | Conservation Restriction | No                   | 6846/ 95     |
|  | 37                | 130   | 6            | 8.60          |                               | Old Farm Way       | 1320          | RB     | Permanent           | Sack Roberts TRS ETAL       | Private                     | Conservation Restriction | No                   | 6846/ 95     |
|  | 49                | 206   | 36           | 4.60          | Talbot Cluster Subdivision    | Hornbeam Rd        |               |        | Permanent           | Talbot Estates Homeowners   | Private                     | Conservation Restriction | No                   | 13055/ 286   |
|  | 106               | 391   | 3            | 4.59          |                               | Mill Rd            | 1320          | RB     | Permanent           | Lyons II Elmer H. TR        | Private                     | Conservation Restriction |                      | 7505/ 127    |
|  | 111               | 412   | 26           | 5.41          |                               | Brittany Ln        | 130V          | RB     | Permanent           | Kayla Estates Trustee       | Conservation                | Conservation Restriction |                      | 8033 / 85    |
|  | 112               | 425   | 7            | 14.88         | Red Wing Farm                 | Arthur Ave         | 1320          | RB     | Permanent           | Charles Wojtas Trustee      | Conservation                | Conservation Restriction |                      | 10424/254    |
|  | 118               | 449   | 1            | 8.79          |                               | Farley Brook Rd    | 1320          | RB     | Permanent           | Dorobiala Lee Metals TRS    | Private                     | Conservation Restriction |                      | 7194/ 244    |
|  | 127               | 450   | 15           | 9.80          |                               | Trailside Dr       | 1320          | RB     | Permanent           | Flaherty Joseph TR          | Private                     | Conservation Restriction | Yes                  | 7980/ 296    |
|  | 138               | 484   | 26           | 5.80          |                               | Arrowhead Cr       | 1320          | RB     | Permanent           | Caraco Joseph ETAL TRS      | Private                     | Conservation Restriction |                      | 5864/ 64     |
|  | <b>9 Parcels</b>  |       | <b>Total</b> | <b>65.97</b>  |                               |                    |               |        |                     |                             |                             |                          |                      |              |
| <b>Total Permanently Protected Private Land</b>                        |                   |       |              | <b>140.25</b> |                               |                    |               |        |                     |                             |                             |                          |                      |              |
| <b>Total Permanently Protected</b>                                     |                   |       |              | <b>991.16</b> |                               |                    |               |        |                     |                             |                             |                          |                      |              |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |                  |       |              |             |                            |                   |               |        |                        |       |                          |                   |                      |                 |
|--|------------------|-------|--------------|-------------|----------------------------|-------------------|---------------|--------|------------------------|-------|--------------------------|-------------------|----------------------|-----------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map              | Block | Lot          | Acres       | Name                       | Address           | Land Use Code | Zoning | Level of Protection    | Owner | Manager                  | Use               | Recreation Potential | Book - Page     |
| <b>Limited and Unprotected Parcels</b>                                 |                  |       |              |             |                            |                   |               |        |                        |       |                          |                   |                      |                 |
| <b>PUBLIC LANDS</b>  |                  |       |              |             |                            |                   |               |        |                        |       |                          |                   |                      |                 |
| <b>State</b>   | 32               | 116   | 3            | 0.72        |                            | Parkhurst Rd      | 9240          | IA     | Unprotected            | State | Mass DOT                 | Vacant Land       | No                   | 11152 / 95      |
|  | 98               | 271   | 2            | 8.00        |                            | 123 Brick Kiln Rd | 9170          | IA     | Unprotected            | State | Umass Lowell             | Vacant / Wetlands | No                   | 2453 / 408      |
|  | 102              | 357   | 14           | 0.06        | Robin Hill Tower           | 30 Summit Ave     | 910           | RB     | Unprotected            | State | DCR                      | DEM               | No                   | 585/40          |
|  | <b>3 Parcels</b> |       | <b>Total</b> | <b>8.78</b> |                            |                   |               |        |                        |       |                          |                   |                      |                 |
| <b>Town</b>  | 2                | 1     | 4            | 0.74        | Tax lien 1993              | 329 Dunstable Rd  | 903V          | RB     | Unprotected            | Town  | Undesignated / Town      |                   |                      | 7718 / 6        |
|  | 3                | 3     | 1            | 0.13        | Tax lien 1993              | Mission Rd        | 903V          | CB     | Unprotected            | Town  | Undesignated / Town      |                   |                      | 6218 / 65       |
|  | 3                | 8     | 8            | 0.21        |                            | Dunstable Rd      | 903V          | RB     | Unprotected            | Town  | Undesignated / Town      |                   |                      | 1943 / 126, 129 |
|  | 6                | 4     | 21           | 0.07        | Tax Lien 1987              | Ledge Rd          | 903V          | RB     | Unprotected            | Town  | Undesignated / Town      |                   |                      | 04822 / 0011    |
|  | 7                | 4     | 46           | 1.74        |                            | Oak Hill Rd       | 903V          | RBI    | Unprotected            | Town  | Undesignated / Town      |                   |                      | 2153 / 302      |
|  | 9                | 6     | 2            | 26.00       | Southwell Park             | Middlesex St      | 903V          | IA     | Limited or Unprotected | Town  | School Dept              | Southwell Field   | Yes                  | 01895 / 0412    |
|  | 9                | 12    | 4            | 10.80       | 1998 purchase              | Tyngsborough Rd   | 9030          | IA     | Unprotected            | Town  | Undesignated / Town      |                   |                      | 9111 / 137      |
|  | 10               | 4     | 1            | 0.47        |                            | Groton Rd         | 9240          | IS     | Unprotected            | State | Mass DOT                 |                   | No                   | 11152 / 95      |
|  | 11               | 4     | 1            | 66.37       | 1998 purchase              | Dunstable Rd      | 9030          | IS     | Unprotected            | Town  | Town                     |                   |                      | 9111 / 130      |
|  | 11               | 4     | 5            | 16.76       | Swain Rd Dump              | 40 Swain Rd       | 903V          | CX     | Unprotected            | Town  | Selectmen                | Landfill          |                      | 804 / 193       |
|  | 11               | 4     | 6            | 1.75        | Lowell Sportsmen Club 1987 | Swain Rd          | 903V          | RB     | Limited or Unprotected | Town  | Town                     |                   |                      | 04293 / 0284    |
|  | 11               | 4     | 15           | 0.27        | Swain Rd Dump              | Groton Rd         | 903v          | CX     | Unprotected            | Town  | Undesignated / Selectmen | Landfill          |                      | 01993 / 0021    |
|  | 11               | 4     | 18           | 0.18        | Swain Rd Dump              | Groton Rd         | 903V          | CX     | Limited or Unprotected | Town  | Undesignated / Selectmen | Landfill          |                      | 04352 / 0234    |
|  | 11               | 4     | 19           | 0.21        | Swain Rd Dump              | Groton Rd         | 903V          | CX     | Limited or Unprotected | Town  | Undesignated / Selectmen | Landfill          |                      | 04352 / 0233    |
|  | 11               | 4     | 20           | 0.24        | Swain Rd Dump              | Groton Rd         | 903v          | CX     | Limited or Unprotected | Town  | Undesignated / Selectmen | Landfill          |                      |                 |
|  | 11               | 4     | 21           | 0.37        | Swain Rd Dump              | Groton Rd         | 903v          | CX     | Limited or Unprotected | Town  | Undesignated / Selectmen | Landfill          |                      | 04532 / 0231    |
|  | 11               | 4     | 22           | 0.28        |                            | Groton Rd         | 903V          | RB     | Limited or Unprotected | Town  | Undesignated / Town      | Landfill          |                      | 4532/230        |
|  | 12               | 4     | 3            | 2.07        | Swain's Pond               | Swain Rd          | 903V          | RB     | Limited or Unprotected | Town  | Town                     | Landfill          |                      | 04293 / 0284    |
|  | 12               | 30    | 1            | 0.03        | tax taking                 | Wood St           | 903V          | RC     | Unprotected            | Town  | Undesignated/ Selectmen  | Vacant Land       |                      | 9992 / 48       |
|  | 12               | 30    | 10           | 0.21        | Varney Playground          | Adams St          | 9030          | RC     | Limited or Unprotected | Town  | Varney Playground        | Recreation        | Yes                  |                 |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |     |       |     |       |                        |                         |               |        |                        |       |                         |               |                      |              |
|--|-----|-------|-----|-------|------------------------|-------------------------|---------------|--------|------------------------|-------|-------------------------|---------------|----------------------|--------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map | Block | Lot | Acres | Name                   | Address                 | Land Use Code | Zoning | Level of Protection    | Owner | Manager                 | Use           | Recreation Potential | Book - Page  |
| Town (Con't)   | 13  | 30    | 4   | 6.78  | Varney Field           | 25 Adams St.            | 903V          | RC     | Limited or Unprotected | Town  | School Dept.            | Recreation    | Yes                  |              |
|  | 13  | 30    | 5   | 0.06  |                        | Sherman St              | 903V          | RC     | Limited or Unprotected | Town  | Undesignated / Town     | Park          |                      |              |
|  | 13  | 31    | 1   | 0.40  | North Common           | Princeton/ Middlesex St | 903V          | CD     | Limited or Unprotected | Town  | Undesignated/ Selectmen | Common        | Yes                  |              |
|  | 17  | 82    | 23  | 0.49  |                        | 0 Main St               | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 2153/ 302    |
|  | 17  | 89    | 1   | 0.34  | Chelmsford High School | Richardson Rd           | 903V          | RB     | Limited or Unprotected | Town  | School Dept             | High School   | Yes                  |              |
|  | 18  | 41    | 1   | 27.80 | Parker Middle School   | 75 Graniteville Rd      | 9033          | RB     | Limited or Unprotected | Town  | School Dept             | Parker School | Yes                  |              |
|  | 18  | 41    | 3   | 0.01  | Tax Lien 1959          | Willis Dr               | 9030          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 1456/ 240    |
|  | 18  | 41    | 21  | 0.02  |                        | Willis Dr               | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 7055/ 296    |
|  | 18  | 48    | 1   | 12.55 |                        | 54 Richardson Rd        | 9030          | RB     | Limited or Unprotected | Town  | Selectmen               | DPW           | No                   |              |
|  | 18  | 48    | 38  | 0.10  |                        | Mallory St              | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 1077/ 483    |
|  | 18  | 66    | 6   | 0.25  | Tax Lien 1992          | Second Ave              | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 6608/ 121    |
|  | 18  | 71    | 8   | 0.03  |                        | Third Ave               | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 8452/ 260    |
|  | 18  | 75    | 13  | 0.06  | Tax Lien 1993          | Fourth Ave              | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 6438/ 290    |
|  | 18  | 76    | 5   | 0.06  |                        | Main St                 | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 2224 / 377   |
|  | 18  | 83    | 1   | 13.86 | Harrington School      | 120 Richardson Rd       | 9033          | RB     | Limited or Unprotected | Town  | School Dept             |               | Yes                  | 0002 / 0002  |
|  | 18  | 83    | 17  | 0.06  | Tax Lien 1993          | Seventh Ave             | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   |                      | 6456/ 338    |
|  | 18  | 83    | 18  | 0.06  | Tax Taking 1975        | Seventh Ave             | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 02153/ 0300  |
|  | 18  | 83    | 19  | 0.03  |                        | Seventh Ave             | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 02224 / 0377 |
|  | 18  | 83    | 28  | 0.03  | Tax Taking 1975        | Eighth Ave              | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 02153/ 300   |
|  | 18  | 83    | 30  | 0.06  | Tax Taking 1975        | Eighth Ave              |               |        | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   |                      |              |
|  | 18  | 94    | 2   | 0.08  | Freeman Lake           | Shore Dr                | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 1741 / 565   |
|  | 19  | 48    | 31  | 1.40  |                        | 0 Taunton St            | 903V          | P      | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   |              |
|  | 19  | 48    | 34  | 0.10  |                        | Mallory St              | 9030          |        | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   |                      | 03041/ 0053  |
|  | 19  | 87    | 1   | 2.00  |                        | Shore Dr                | 903V          | RA     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   |              |
|  | 20  | 50    | 25  | 3.03  | Highland Field         | Princeton St            | 903V          | RB     | Limited or Unprotected | Town  | School Dept.            | Recreation    | Yes                  |              |
|  | 20  | 50    | 28  | 0.03  | Tax Taking 1975        | Eighth Ave              | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 02153 / 0300 |
|  | 20  | 50    | 30  | 0.06  | Tax Taking 1975        | Eighth Ave              | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 02153 / 0300 |
|  | 23  | 92    | 9   | 0.41  |                        | 0 Groton St             |               |        | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   |                      |              |
|  | 23  | 98    | 1   | 0.46  |                        | Meadowbrook Rd.         | 9200          | RB     | Limited or Unprotected | State | Mass DOT                |               | No                   | 15291/226    |
|  | 23  | 99    | 6   | 1.06  | Tax Lien 1986          | 0 Meadowbrook Rd        | 9030          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 03452/ 0256  |
|  | 23  | 99    | 7   | 0.93  | Tax Lien 1986          | 17 Meadowbrook Rd       | 9030          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 03452/ 0257  |
|  | 24  | 48    | 10  | 7.00  | Tax Lien 1989          | Twiss Rd                | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 6523 / 150   |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |     |       |     |       |                                 |                   |               |        |                        |       |                         |               |                      |                 |
|--|-----|-------|-----|-------|---------------------------------|-------------------|---------------|--------|------------------------|-------|-------------------------|---------------|----------------------|-----------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map | Block | Lot | Acres | Name                            | Address           | Land Use Code | Zoning | Level of Protection    | Owner | Manager                 | Use           | Recreation Potential | Book - Page     |
| Town (Con't)   | 24  | 48    | 32  | 0.10  |                                 | Shore Dr          | 9030          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 06041/ 0054     |
|  | 24  | 48    | 39  | 0.11  | Tax Lien 1992                   | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 6218/ 59        |
|  | 24  | 48    | 41  | 0.10  | 1998                            | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 9219/ 97        |
|  | 24  | 48    | 52  | 0.05  | Tax Lien 2000                   | Shore Dr          |               |        | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 11227/ 296      |
|  | 24  | 48    | 53  | 0.11  |                                 | Elton St          |               |        | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   |                 |
|  | 24  | 48    | 54  | 0.14  |                                 | Elton St          | 903V          |        | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   |                 |
|  | 24  | 94    | 2   | 0.20  | Deed 1986                       | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | Yes                  | 03862/ 0223     |
|  | 24  | 94    | 3   | 0.09  | Deed 1986                       | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | Yes                  | 0386/ 223       |
|  | 24  | 94    | 5   | 0.10  | Deed 1986                       | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | Yes                  | 03862/ 223      |
|  | 24  | 94    | 7   | 0.03  | Deed 1986                       | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | Yes                  | 03862/ 223      |
|  | 24  | 98    | 1   | 1.26  | Shore Drive                     | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Vacant        |                      |                 |
|  | 24  | 98    | 4   | 0.01  | Sliver off Rte 3                | Meadow Brook Rd   | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   |                 |
|  | 24  | 98    | 10  | 5.85  | Stony Brook RR                  | Meadowbrook Rd.   | 9030          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 1043/ 574       |
|  | 24  | 98    | 12  | 0.10  | Freeman Lake / Tax Lien 1957    | Mallory St        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 01456 / 0240    |
|  | 24  | 98    | 19  | 0.01  |                                 | Meadow Brook Rd   | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      |                 |
|  | 25  | 111   | 1   | 0.34  | Sliver along Rte 3/ deed taking | 0 Richardson Rd   |               |        | Unprotected            | Town  | School Department       | Vacant Land   | No                   | 1786/ 37        |
|  | 26  | 93    | 2   | 0.20  | Deed 1986                       | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Freeman Lake  |                      | 03862 / 0223    |
|  | 26  | 93    | 3   | 0.09  | Deed 1986                       | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Freeman Lake  |                      | 0386 / 223      |
|  | 26  | 93    | 5   | 0.10  | Deed 1986                       | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Freeman Lake  |                      | 03862 / 223     |
|  | 26  | 93    | 7   | 0.03  | Deed 1986                       | Shore Dr          | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Freeman Lake  |                      | 03862 / 223     |
|  | 26  | 93    | 9   | 12.00 |                                 | No road frontage  | 903V          |        | Unprotected            | Town  | Town                    |               |                      | 9556 / 164      |
|  | 26  | 93    | 11  | 1.10  |                                 | North Rd          | 903V          | RB     | Unprotected            | Town  | Town                    | Vacant        | Yes                  | 9556 / 164      |
|  | 28  | 92    | 14  | 22.85 | Tax Lien 1992                   | Main St           | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 6238/ 162       |
|  | 29  | 104   | 1   | 8.02  | Deed 1976                       | Meadow Brook Rd   | 903V          | RB     | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 2181/ 676       |
|  | 29  | 112   | 17  | 0.11  |                                 | 85 Meadowbrook Rd | 903V          |        | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land   | No                   | 10461/ 246      |
|  | 29  | 124   | 1   | 1.50  | Strawberry Hill Field           | Jordan St         | 903B          | RB     | Unprotected            | Town  | Town                    | Recreation    | Yes                  |                 |
|  | 30  | 111   | 2   | 16.29 |                                 | 120 Richardson Rd | 903V          | RB     | Limited or Unprotected | Town  | Town                    | High School   |                      | 1906 / 408      |
|  | 31  | 111   | 1   | 18.11 | Chelmsford High School          | 200 Richardson Rd | 9033          | RB     | Limited or Unprotected | Town  | School Dept             |               | Yes                  | 0001 / 0001     |
|  | 31  | 111   | 2   | 34.42 | Chelmsford High School          | Old Westford Rd   | 903V          | RB     | Limited or Unprotected | Town  | School Dept             |               | Yes                  | 1852 / 575      |
|  | 31  | 111   | 3   | 23.88 | Chelmsford High School          | Graniteville Rd   | 903V          | RB     | Limited or Unprotected | Town  | School Depart.          | Recreation    | Yes                  |                 |
|  | 31  | 111   | 5   | 3.61  | Parker Middle School            | Graniteville Rd   | 903V          | RB     | Limited or Unprotected | Town  | School Dept             | Parker School | Yes                  | 1914 / 514      |
|  | 37  | 130   | 73  | 0.90  | Tax Lien 1993                   | Old Westford Rd   | 9030          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 7502 / 122      |
|  | 38  | 117   | 1   | 38.26 | McCarthy Middle School          | 230 - 50 North Rd | 903           | RB     | Limited or Unprotected | Town  | School Dept             |               | Yes                  | 1351 / 572      |
|  | 40  | 131   | 19  | 1.50  | Tax Taking 1979                 | Smith St Rear     | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 2457 / 347, 348 |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |     |       |     |       |                  |                     |               |        |                        |       |                         |                        |                      |                  |
|--|-----|-------|-----|-------|------------------|---------------------|---------------|--------|------------------------|-------|-------------------------|------------------------|----------------------|------------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map | Block | Lot | Acres | Name             | Address             | Land Use Code | Zoning | Level of Protection    | Owner | Manager                 | Use                    | Recreation Potential | Book - Page      |
| Town (Con't)   | 40  | 131   | 23  | 1.85  | Tax Taking 1979  | Smith St Rear       | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2457 / 347, 348  |
|  | 40  | 131   | 33  | 0.93  |                  | Smith St            | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2153 / 302       |
|  | 40  | 131   | 38  | 1.36  |                  | Smith St            | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 16502 / 121      |
|  | 41  | 140   | 12  | 1.90  |                  | Arlington St        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2153 / 302       |
|  | 41  | 140   | 22  | 1.99  |                  | Arlington St        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2153 / 302       |
|  | 41  | 140   | 54  | 0.01  |                  | Fair St             | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 6978 / 141       |
|  | 46  | 199   | 4   | 0.28  | Tax Taking 1979  | School St           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2457 / 347, 348  |
|  | 52  | 169   | 7   | 6.03  | Westlands School | 170 Dalton Rd       | 9033          | RB     | Limited or Unprotected | Town  | School Dept             |                        | Yes                  |                  |
|  | 52  | 210   | 1   | 0.15  |                  | Dalton Rd           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Intersection Land      |                      |                  |
|  | 52  | 210   | 2   | 0.11  |                  | Dalton Rd           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      |                  |
|  | 53  | 218   | 2   | 0.03  | Tax Lien 2005    | B St                | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 20618 / 129      |
|  | 54  | 233   | 2   | 0.01  | Tax Lien 2003    | Donald Ave          | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 19500 / 56       |
|  | 54  | 262   | 1   | 0.01  |                  | Bartlett Ave        | 903V          | IA     | Unprotected            | Town  | Town                    | Sliver for I-495       |                      |                  |
|  | 54  | 262   | 3   | 0.67  | Tax Lien 2001    | Riverneck Rd        | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 11732 / 223      |
|  | 58  | 276   | 1   | 20.65 | Roberts Field    | 260 Old Westford Rd | 903C          | RB     | Limited or Unprotected | Town  | School Dept             | Recreation             | Yes                  | 1730 / 516       |
|  | 61  | 288   | 7   | 0.13  | Tax Lien 1992    | North Rd            | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 6258 / 145       |
|  | 62  | 230   | 14  | 0.36  | Tax Lien 2004    | Pine Hill Rd        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 16956 / 213      |
|  | 62  | 230   | 15  | 0.23  |                  | Pine Hill Rd        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Sliver for I-495       |                      |                  |
|  | 62  | 230   | 17  | 0.12  |                  | Pine Hill Rd        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Sliver for I-495       |                      |                  |
|  | 62  | 230   | 34  | 0.32  | Lot 15           | Diane Lane          | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 8306 / 172       |
|  | 62  | 270   | 10  | 0.60  | Tax Lien 1992    | Dalton Rd           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 5793 / 265       |
|  | 63  | 275   | 14  | 0.16  | Tax Lien 1959    | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 1448 / 40        |
|  | 63  | 275   | 15  | 0.37  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2153 / 301       |
|  | 63  | 275   | 17  | 0.08  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      |                  |
|  | 63  | 275   | 18  | 0.10  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      |                  |
|  | 63  | 275   | 20  | 0.15  | Tax Lien 1993    | Riverneck Rd        | 903V          | RB     | Unprotected            | Town  | Town                    |                        |                      | 6523 / 151       |
|  | 63  | 275   | 21  | 0.40  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2153 / 302       |
|  | 63  | 275   | 22  | 0.15  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2153 / 303       |
|  | 63  | 275   | 23  | 0.32  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2153 / 301       |
|  | 64  | 275   | 1   | 7.00  | Tax Lien 2004    | Riverneck Rd        | 903V          | IA     | Unprotected            | Town  | Undesignated/ Selectmen | Electric Transmissions |                      | 17552 / 183      |
|  | 64  | 275   | 10  | 0.07  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      |                  |
|  | 64  | 275   | 12  | 0.08  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2153 / 301       |
|  | 64  | 275   | 13  | 0.12  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2153 / 301       |
|  | 64  | 275   | 14  | 0.14  |                  | Orleans St          | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                        |                      | 2457 / 347 , 348 |
|  | 64  | 275   | 15  | 0.16  | Tax Lien 1959    | Orleans St          | 903V          | IA     | Unprotected            | Town  | Town                    |                        |                      | 1448 / 48        |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |     |       |     |       |                                 |                  |               |        |                        |       |                         |                 |                      |                 |
|--|-----|-------|-----|-------|---------------------------------|------------------|---------------|--------|------------------------|-------|-------------------------|-----------------|----------------------|-----------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map | Block | Lot | Acres | Name                            | Address          | Land Use Code | Zoning | Level of Protection    | Owner | Manager                 | Use             | Recreation Potential | Book - Page     |
| Town (Con't)   | 66  | 250   | 2   | 2.53  | East School                     | Carlisle St      | 903V          | RB     | Limited or Unprotected | Town  | Parks Dept              | Fields          | Yes                  | 762/355         |
|  | 69  | 309   | 14  | 0.12  |                                 | Cliff Rd off     | 903V          |        | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land     |                      | 04591/ 0001     |
|  | 70  | 294   | 21  | 3.35  | Crabapple Ln                    | Crabapple Ln     | 903V          | RB     | Unprotected            | Town  | Selectmen               | Church          |                      | 0183 / 1968     |
|  | 70  | 306   | 3   | 0.08  |                                 | Bentley Ln       | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                 |                      |                 |
|  | 71  | 306   | 17  | 0.64  |                                 | 15 Bentley Ln    | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 2153 / 301      |
|  | 71  | 311   | 6   | 0.96  |                                 | 12 Bentley Ln    | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 2153 / 301      |
|  | 72  | 323   | 1   | 0.10  | Worthen & Westford triangle     | Westford St      |               |        | Unprotected            | Town  | Undesignated/ Selectmen | Common          | No                   |                 |
|  | 73  | 289   | 2   | 6.15  | Center School                   | 75 Chelmsford St | 903V          | RB     | Limited or Unprotected | Town  | School Dept             | center School   | Yes                  |                 |
|  | 73  | 289   | 3   | 3.30  | Center School                   | Billerica Rd     | 903V          | RB     | Limited or Unprotected | Town  | School Dept             | Center School   | Yes                  |                 |
|  | 73  | 289   | 4   | 8.10  | Center School                   | Billerica Rd     | 903V          | RB     | Limited or Unprotected | Town  | School Dept             |                 | Yes                  |                 |
|  | 73  | 289   | 5   | 8.69  | Town Offices / McFarlin Complex | 50 Billerica Rd  | 903V          | RB     | Limited or Unprotected | Town  | Selectmen               | Recreation      | Yes                  | 2381 / 178      |
|  | 73  | 295   | 5   | 0.51  | Tax Taking 1980                 | North Rd         | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 2457 / 347, 348 |
|  | 73  | 313   | 1   | 0.04  |                                 | North Rd         | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Sliver / Island |                      |                 |
|  | 73  | 326   | 10  | 0.23  | Tax Lien 1984                   | Billerica Rd     | 9030          | RC     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 02854 / 0194    |
|  | 73  | 330   | 1   | 1.00  | Town Common                     | North Rd         |               |        | Unprotected            | Town  | Undesignated/ Selectmen | Common          | No                   |                 |
|  | 74  | 289   | 10  | 2.10  | Center School                   | Billerica Rd     | 903V          | RB     | Limited or Unprotected | Town  | School Dept             |                 | Yes                  |                 |
|  | 74  | 289   | 11  | 6.30  | Center School                   | 84 Billerica Rd  | 903I          | RB     | Limited or Unprotected | Town  | School Dept             | School          | Yes                  | 1331 / 596      |
|  | 74  | 289   | 14  | 0.33  | Center School                   | Billerica Rd     | 903V          | RB     | Limited or Unprotected | Town  | School Dept             | School          | Yes                  |                 |
|  | 74  | 325   | 1   | 0.26  |                                 | Turnpike Rd      | 903V          | RC     | Limited or Unprotected | Town  | Undesignated / Town     | Park            |                      | 1647 / 599      |
|  | 75  | 291   | 17  | 0.35  | Tax Lien 1982                   | Monmouth Rd      | 9030          | IA     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 02539 / 0082    |
|  | 75  | 291   | 33  | 0.06  | Tax Lien 1959                   | Lexington St     | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 1448 / 44       |
|  | 77  | 307   | 15  | 0.03  | Tax Lien 2002                   | Brick Kiln Rd    | 9030          | RB     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 13181 / 38      |
|  | 83  | 337   | 19  | 4.00  |                                 | 0 Littleton Rd   | 903V          |        | Unprotected            | Town  | Undesignated/ Selectmen | Vacant Land     | No                   | 11893/ 9        |
|  | 84  | 334   | 3   | 0.72  | Tax Lien 1993                   | Summer St        | 903V          | RC     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 6608 / 120      |
|  | 84  | 338   | 4   | 0.07  | Central square                  | Central Square   |               |        | Unprotected            | Town  | Undesignated/ Selectmen | Common          | No                   |                 |
|  | 84  | 346   | 1   | 0.02  |                                 | Adams Ave        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                 |                      |                 |
|  | 84  | 349   | 1   | 0.03  |                                 | Bartlett St      | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |                 |                      |                 |
|  | 86  | 328   | 34  | 0.01  | Tax lien 2005                   | Turnpike Rd      | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     | Sliver          |                      | 19574 / 134     |
|  | 88  | 271   | 6   | 5.50  | Tax lien 1993                   | Brick Kiln Rd    | 903V          | IA     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 6438 / 289      |
|  | 92  | 337   | 2   | 0.72  | Tax Lien 2004                   | Littleton Rd     | 903V          | RB     | Unprotected            | Town  | Town                    |                 |                      | 11421 / 285     |
|  | 94  | 359   | 4   | 0.08  | Tax Lien 1994                   | Second St        | 903V          | RC     | Unprotected            | Town  | Undesignated / Town     |                 |                      | 6933 / 38       |
|  | 94  | 386   | 1   | 0.13  |                                 | Boston Rd        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Sliver          |                      |                 |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |     |       |     |       |                         |                    |               |        |                        |       |                         |               |                      |              |
|--|-----|-------|-----|-------|-------------------------|--------------------|---------------|--------|------------------------|-------|-------------------------|---------------|----------------------|--------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map | Block | Lot | Acres | Name                    | Address            | Land Use Code | Zoning | Level of Protection    | Owner | Manager                 | Use           | Recreation Potential | Book - Page  |
| Town (Con't)   | 103 | 386   | 4   | 0.68  | Tax Lien 1987           | Kevin Rd           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 04046 / 0334 |
|  | 103 | 386   | 6   | 0.72  | Tax Lien 1987           | Kevin Rd           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 04046 / 0333 |
|  | 103 | 386   | 7   | 0.75  | Tax Lien 1987           | Kevin Rd           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 04046 / 0332 |
|  | 103 | 386   | 9   | 0.87  | Tax Lien 1987           | Kevin Rd           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 04046 / 0331 |
|  | 103 | 386   | 13  | 0.88  | Tax Lien 1985           | Kevin Rd           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 4317 / 206   |
|  | 103 | 399   | 2   | 0.38  | Tax Lien 1987           | Brian Rd           | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 04046 / 0335 |
|  | 103 | 399   | 5   | 0.30  | Deed 2005               | 15 Brian Rd        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 18114 / 81   |
|  | 103 | 412   | 9   | 6.90  | Tax Taking              | Rosemary Ln        | 903V          | RB     | Unprotected            | Town  | Town                    |               |                      | 15651 / 164  |
|  | 105 | 387   | 1   | 11.77 |                         | Turnpike Rd        | 903V          | RB     | Limited or Unprotected | Town  | Town                    | Power Lines   |                      | 2145 / 431   |
|  | 105 | 397   | 25  | 6.70  |                         | Mill Rd            | 903V          | RB     | Limited or Unprotected | Town  | Town                    | Soccer Fields |                      | 3732 / 12    |
|  | 107 | 430   | 4   | 0.05  |                         | Littleton Rd       | 9030          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 8444 / 112   |
|  | 108 | 428   | 19  | 1.44  | Tax Lien 1984           | 9 Alcorn Dr        | 9030          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 02875 / 0234 |
|  | 108 | 428   | 28  | 2.50  |                         | Lori Ln            | 903V          | RB     | Limited or Unprotected | Town  | Town                    |               |                      | 2107 / 548   |
|  | 109 | 429   | 4   | 15.80 |                         | Acton Rd           | 903V          | RB     | Limited or Unprotected | Town  | Conservation Commission | Conservation  |                      | 2319 / 584   |
|  | 110 | 415   | 16  | 0.52  |                         | Crockett Dr        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 2145 / 431   |
|  | 110 | 415   | 17  | 0.88  |                         | Crockett Dr        | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     |               |                      | 2145 / 431   |
|  | 110 | 429   | 10  | 1.03  | Tax Lien 2000           | 15 Country Club Dr | 903V          | RB     | Unprotected            | Town  | Undesignated            |               |                      | 10635 / 26   |
|  | 111 | 423   | 12  | 0.01  |                         | Concord Rd         | 903V          | RB     | Unprotected            | Town  | Undesignated / Town     | Sliver        |                      | 10430 / 204  |
|  | 112 | 426   | 10  | 13.20 | South Row School        | 250 Boston Rd      | 903V          | RB     | Limited or Unprotected | Town  | School Dept             | School        | Yes                  |              |
|  | 112 | 426   | 22  | 5.64  | South Row School        | Boston Rd          | 903V          | RB     | Limited or Unprotected | Town  | School Dept             | School        | Yes                  |              |
|  | 113 | 397   | 4   | 3.40  |                         | Mill Rd            | 9030          | RB     | Limited or Unprotected | Town  | Town                    | Soccer Fields |                      | 02906 / 0246 |
|  | 113 | 431   | 9   | 1.17  | Tax Lien 1988           | 27 Freeman Rd      | 903V          | RB     | Unprotected            | Town  | Town                    |               |                      | 8761 / 44    |
|  | 116 | 428   | 1   | 26.14 | Byam School             | 25 Maple Rd        | 903V          | RB     | Limited or Unprotected | Town  | School Dept             | School        | Yes                  |              |
|  | 116 | 428   | 6   | 3.63  | Byam School             | Maple Rd           | 903V          | RB     | Limited or Unprotected | Town  | School Dept             | School        | Yes                  | 1884 / 773   |
|  | 117 | 429   | 4   | 0.03  | Deed 2004               | Park Place         | 903V          | RB     | Unprotected            | Town  | Undesignated            |               |                      | 18196 / 33   |
|  | 117 | 429   | 5   | 0.06  | Deed 2004               | Park Place         | 903V          | RB     | Unprotected            | Town  | Undesignated            |               |                      | 17554 / 53   |
|  | 117 | 449   | 2   | 3.95  | Chelmsford Country Club | Park Rd            | 903V          | RB     | Limited or Unprotected | Town  | Selectmen               | Golf Course   | Yes                  | 7566 / 110   |
|  | 118 | 429   | 1   | 31.50 | Chelmsford Country Club | 66 Park Rd         | 903C          | RB     | Limited or Unprotected | Town  | Selectmen               | Golf Course   | Yes                  | 7566 / 110   |
|  | 119 | 448   | 11  | 0.56  | Tax Lien 2004           | 3A Stillwater Dr   | 903V          | RB     | Unprotected            | Town  | Undesignated            |               |                      | 6250 / 136   |
|  | 124 | 461   | 2   | 1.88  | Tax Lien 1992           | Acton Rd           | 903V          | CB     | Unprotected            | Town  | Town                    |               |                      | 6258 / 237   |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |                    |       |              |               |                            |                    |               |        |                        |                |                         |                       |                      |              |
|--|--------------------|-------|--------------|---------------|----------------------------|--------------------|---------------|--------|------------------------|----------------|-------------------------|-----------------------|----------------------|--------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map                | Block | Lot          | Acres         | Name                       | Address            | Land Use Code | Zoning | Level of Protection    | Owner          | Manager                 | Use                   | Recreation Potential | Book - Page  |
| Town (Con't)   | 127                | 485   | 2            | 1.04          | Tax Lien 2000              | 4 Tuttle Rd        | 903V          | RB     | Unprotected            | Town           | Undesignated            |                       |                      | 04165 / 0156 |
|  | 130                | 493   | 1            | 0.09          |                            | Acton Rd           | 903V          |        | Unprotected            | Town           | Undesignated/ Selectmen | Vacant Land           | No                   | 18114/ 82    |
|  | 130                | 493   | 2            | 1.75          | Tax Lien 1987              | Acton Rd           | 903V          | RB     | Unprotected            | Town           | Undesignated / Town     |                       |                      | 11120 / 237  |
|  | 133                | 475   | 45           | 2.13          | Tax Lien 2000              | Park Rd            | 903V          | RB     | Unprotected            | Town           | Undesignated / Town     |                       |                      | 7024 / 245   |
|  | 137                | 493   | 4            | 8.68          | Tax lien 1994              | Acton Rd           | 903V          | RB     | Unprotected            | Town           | Undesignated            |                       |                      | 04352 / 0232 |
|  | 137                | 493   | 7            | 0.58          |                            | 0 Acton Rd         | 903V          | RB     | Unprotected            | Town           | Undesignated/ Selectmen | Vacant Land           | No                   |              |
|  | <b>189 Parcels</b> |       | <b>Total</b> | <b>661.23</b> |                            |                    |               |        |                        |                |                         |                       |                      |              |
| <b>OTHER PUBLIC</b>  |                    |       |              |               |                            |                    |               |        |                        |                |                         |                       |                      |              |
| <b>Cemeteries</b>  | 14                 | 19    | 23           | 3.84          | Riverside Cemetery         | Middlesex St       | 903V          | RC     | Limited or Unprotected | Town           | Cemetery Comm.          | Cemetery              | No                   | 216 / 556    |
|  | 18                 | 56    | 21           | 14.17         | Fairview Cemetery          | Main St            | 903V          | RB     | Limited or Unprotected | Town           | Cemetery Comm.          | Cemetery              | No                   |              |
|  | 36                 | 125   | 23           | 0.01          | Strawberry Hill            | Strawberry Hill RD | 903V          | RB     | Limited or Unprotected | Town           | Cemetery Comm.          | Cemetery              | No                   |              |
|  | 36                 | 145   | 1            | 1.48          | West Chelmsford Cemetery   | Strawberry Hill RD | 903V          | RB     | Limited or Unprotected | Town           | Cemetery Comm.          | Cemetery              | No                   |              |
|  | 44                 | 174   | 1            | 0.43          | Edson Cemetery             | Carlisle St        | 903V          | RB     | Limited or Unprotected | City of Lowell | City of Lowell          | Cemetery              | No                   |              |
|  | 73                 | 320   | 2            | 5.00          | Forefathers Burying Ground | Littleton Rd       | 903V          | RB     | Limited or Unprotected | Town           | Cemetery Comm.          | Cemetery              | No                   |              |
|  | 74                 | 291   | 1            | 27.00         | Pine Ridge Cemetery        | 130 Billerica Rd   | 9030          | RB     | Limited or Unprotected | Town           | Cemetery Comm.          | Cemetery              | No                   | 1478 / 551   |
|  | 75                 | 291   | 20           | 0.29          |                            | Riverneck Rd       | 903V          | RB     | Limited or Unprotected | Town           | Cemetery Comm.          | Cemetery              | No                   | 1448 / 43    |
|  | 75                 | 291   | 27           | 0.12          |                            | Riverneck Rd       | 9030          | IA     | Limited or Unprotected | Town           | Undesignated / Town     | Cemetery              |                      | 05277 / 0292 |
|  | 75                 | 291   | 30           | 0.18          |                            | Riverneck Rd       | 903V          | IA     | Limited or Unprotected | Town           | Cemetery Comm.          | Vacant Land           |                      | 1540/ 42     |
|  | 116                | 437   | 12           | 3.86          | Heart Pond Cemetery        | Parkerville Rd     | 903V          | RB     | Limited or Unprotected | Town           | Cemetery Comm.          | Cemetery              | No                   |              |
|  | <b>11 Parcels</b>  |       | <b>Total</b> | <b>56.38</b>  |                            |                    |               |        |                        |                |                         |                       |                      |              |
| <b>Other</b>   | 55                 | 175   | 1            | 14.20         | Edson Cemetery             | Carlisle St.       | 9030          | RB     | Limited or Unprotected | City of Lowell | City of Lowell          | Recreation/Open Space | Yes                  |              |
|  | <b>1 Parcel</b>    |       | <b>Total</b> | <b>14.20</b>  |                            |                    |               |        |                        |                |                         |                       |                      |              |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |                   |       |              |              |      |                  |               |        |                        |                                 |                                 |                     |                      |              |
|--|-------------------|-------|--------------|--------------|------|------------------|---------------|--------|------------------------|---------------------------------|---------------------------------|---------------------|----------------------|--------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map               | Block | Lot          | Acres        | Name | Address          | Land Use Code | Zoning | Level of Protection    | Owner                           | Manager                         | Use                 | Recreation Potential | Book - Page  |
| <b>North Chelmsford Water District</b>                                 | 12                | 16    | 26           | 3.25         |      | 35 Swain Rd      | 9030          | RB     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   | 7113 / 118   |
|  | 19                | 30    | 1            | 6.35         |      | Grant St         | 9200          | RC     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 19                | 30    | 2            | 0.27         |      | Adams St         | 9200          | RC     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 19                | 30    | 3            | 1.21         |      | Holt St          | 9030          | RC / P | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 19                | 30    | 4            | 2.80         |      | 64 Washington St | 920C          | RC     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 19                | 59    | 14           | 2.56         |      | Princeton St     | 9030          | RA     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   | 02963 / 0570 |
|  | 19                | 59    | 15           | 0.51         |      | Princeton St     | 9030          | RA     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   | 02750 / 0281 |
|  | 25                | 59    | 1            | 57.74        |      | 55 Richardson Rd | 9200          | RB     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 25                | 59    | 2            | 2.23         |      | Richardson Rd    | 9200          | RA     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 25                | 59    | 4            | 2.80         |      | Richardson Rd    | 9200          | RA     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 25                | 59    | 6            | 0.24         |      | Richardson Rd    | 9200          | RA     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 26                | 93    | 24           | 7.98         |      | Frank St         | 903V          | RB     | Limited or Unprotected | North Chelmsford Water District | North Chelmsford Water District | Wellhead Protection | No                   | 11503 / 283  |
|  | <b>12 Parcels</b> |       | <b>Total</b> | <b>87.94</b> |      |                  |               |        |                        |                                 |                                 |                     |                      |              |
| <b>East Chelmsford Water District</b>                                  | 55                | 168   | 15           | 10.55        |      | Gorham St        | 9030          | RB     | Limited or Unprotected | East Chelmsford Water District  | East Chelmsford Water District  | Wellhead Protection | No                   | 15240 / 174  |
|  | 66                | 268   | 9            | 0.25         |      | Carlisle St      | 9200          | RB     | Limited or Unprotected | East Chelmsford Water District  | East Chelmsford Water District  | Wellhead Protection | No                   |              |
|  | 76                | 271   | 1            | 6.10         |      | Riverneck Rd     | 903V          | IA     | Limited or Unprotected | East Chelmsford Water District  | East Chelmsford Water District  | Wellhead Protection | No                   | 01709 / 0020 |
|  | 76                | 271   | 2            | 15.80        |      | 75 Canal St      | 903V          | IA     | Limited or Unprotected | East Chelmsford Water District  | East Chelmsford Water District  | Wellhead Protection | No                   | 01709 / 0020 |
|  | 76                | 271   | 10           | 1.40         |      | Billerica Rd     | 9200          | IA     | Limited or Unprotected | East Chelmsford Water District  | East Chelmsford Water District  | Wellhead Protection | No                   | 1700 / 123   |
|  | <b>5 Parcels</b>  |       | <b>Total</b> | <b>34.10</b> |      |                  |               |        |                        |                                 |                                 |                     |                      |              |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |     |       |     |       |      |                    |               |        |                        |                           |                           |                     |                      |             |
|--|-----|-------|-----|-------|------|--------------------|---------------|--------|------------------------|---------------------------|---------------------------|---------------------|----------------------|-------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map | Block | Lot | Acres | Name | Address            | Land Use Code | Zoning | Level of Protection    | Owner                     | Manager                   | Use                 | Recreation Potential | Book - Page |
| <b>Chelmsford Water District</b>                                       | 24  | 98    | 15  | 1.23  |      | 22 Maynard Cr      | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 12169 / 208 |
|  | 24  | 98    | 16  | 1.44  |      | 20 Maynard Cr      | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 12169 / 208 |
|  | 24  | 98    | 17  | 1.22  |      | 18 Maynard Cr      | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 12169 / 208 |
|  | 25  | 98    | 1   | 0.99  |      | Maynard Cr         | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 12169 / 208 |
|  | 25  | 98    | 3   | 0.98  |      | Maynard Cr         | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 12169 / 208 |
|  | 29  | 98    | 1   | 1.12  |      | 16 Maynard Cr      | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 12169 / 208 |
|  | 29  | 112   | 3   | 10.63 |      | Meadowbrook Rd     | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |             |
|  | 29  | 112   | 7   | 7.40  |      | Crooked Springs Rd | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |             |
|  | 29  | 112   | 8   | 14.35 |      | 50 Jordan St       | 9200          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |             |
|  | 30  | 98    | 1   | 10.50 |      | Doak Dr            | 9200          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1543 / 371  |
|  | 30  | 98    | 34  | 5.00  |      | 50 Doak Dr         | 903C          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1543 / 371  |
|  | 30  | 98    | 35  | 11.30 |      | Crooked Springs Rd | 9200          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |             |
|  | 30  | 98    | 44  | 1.15  |      | Crooked Springs Rd | 9200          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |             |
|  | 30  | 98    | 47  | 1.98  |      | Crooked Springs Rd | 9200          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |             |
|  | 30  | 98    | 65  | 11.00 |      | Richardson Rd      | 9200          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |             |
|  | 40  | 131   | 16  | 20.55 |      | 14 Smith Rd        | 920I          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |             |
|  | 60  | 206   | 30  | 0.92  |      | 106 Locke Rd       | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 944 / 305   |
|  | 63  | 275   | 25  | 0.37  |      | Orleans St         | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Vacant Land         | No                   | 1882 / 292  |
|  | 63  | 275   | 26  | 0.31  |      | Orleans St         | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 292  |
|  | 63  | 275   | 27  | 0.48  |      | Riverneck Rd       | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 292  |
|  | 63  | 275   | 28  | 0.33  |      | Orleans St         | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 292  |
|  | 63  | 275   | 32  | 0.57  |      | Orleans St         | 903V          | P / IA | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 290  |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |     |       |     |       |      |               |               |        |                        |                           |                           |                     |                      |              |
|--|-----|-------|-----|-------|------|---------------|---------------|--------|------------------------|---------------------------|---------------------------|---------------------|----------------------|--------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map | Block | Lot | Acres | Name | Address       | Land Use Code | Zoning | Level of Protection    | Owner                     | Manager                   | Use                 | Recreation Potential | Book - Page  |
| Chelmsford Water District (Con't)                                      | 64  | 275   | 20  | 0.16  |      | Orleans St    | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 292   |
|  | 64  | 275   | 23  | 0.33  |      | Orleans St    | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 292   |
|  | 64  | 275   | 26  | 0.33  |      | Orleans St    | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 292   |
|  | 64  | 275   | 31  | 0.16  |      | Orleans St    | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 292   |
|  | 64  | 275   | 32  | 0.57  |      | Orleans St    | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 290   |
|  | 64  | 275   | 33  | 0.15  |      | Orleans St    | 9030          |        | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | LCD # 223398 |
|  | 69  | 318   | 4   | 1.48  |      | Amble Rd      | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 74  | 275   | 1   | 15.06 |      | 50 Orleans St | 9030          | IAR    | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1882 / 292   |
|  | 75  | 275   | 2   | 2.50  |      | Riverneck Rd  | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 18589 / 287  |
|  | 85  | 324   | 12  | 2.14  |      | Turnpike Rd   | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 02659 / 0084 |
|  | 85  | 324   | 14  | 0.34  |      | Turnpike Rd   | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 85  | 324   | 20  | 2.25  |      | Turnpike Rd   | 9200          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 85  | 324   | 25  | 2.03  |      | Warren Ave    | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 87  | 271   | 2   | 1.38  |      | Canal St      | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 87  | 271   | 3   | 21.70 |      | Brick Kiln Rd | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 87  | 271   | 4   | 6.00  |      | Brick Kiln Rd | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 87  | 271   | 8   | 1.35  |      | Billerica Rd  | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 87  | 271   | 10  | 1.74  |      | Billerica Rd  | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 87  | 271   | 11  | 0.43  |      | Brick Kiln Rd | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 01676 / 0033 |
|  | 88  | 271   | 1   | 2.50  |      | Brick Kiln Rd | 903V          | IA     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 1769 / 401   |
|  | 93  | 357   | 32  | 1.83  |      | High St       | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 7184 / 183   |
|  | 93  | 357   | 38  | 0.08  |      | Hillside Ln   | 9200          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |
|  | 93  | 357   | 41  | 0.08  |      | Robin Hill Rd | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |              |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |                   |       |              |               |                           |                 |               |        |                        |                           |                           |                     |                      |               |
|--|-------------------|-------|--------------|---------------|---------------------------|-----------------|---------------|--------|------------------------|---------------------------|---------------------------|---------------------|----------------------|---------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map               | Block | Lot          | Acres         | Name                      | Address         | Land Use Code | Zoning | Level of Protection    | Owner                     | Manager                   | Use                 | Recreation Potential | Book - Page   |
| Chelmsford Water District (Con't)                                      | 93                | 357   | 45           | 2.09          |                           | 9 Hillside Ln   | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |               |
|  | 93                | 380   | 9            | 2.62          |                           | High St         | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 7184 / 183    |
|  | 93                | 380   | 18           | 0.21          |                           | Hillside Ln     | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |               |
|  | 95                | 368   | 1            | 17.29         |                           | 63 Warren Ave   | 903C          | RCR    | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |               |
|  | 104               | 387   | 33           | 52.95         |                           | 20 Watershed Ln | 903V          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |               |
|  | 106               | 397   | 1            | 1.43          |                           | 203 Turnpike Rd | 903V          | RC     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |               |
|  | 124               | 462   | 15           | 1.23          | Cranberry Bog Reservation | Elm St          | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 10506 / 134   |
|  | 129               | 446   | 19           | 6.21          |                           | Cambridge St    | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   |               |
|  | 131               | 462   | 15           | 1.95          |                           | Elm St          | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 10506 / 128   |
|  | 132               | 462   | 16           | 6.02          |                           | Southwood Dr    | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 10943 / 008   |
|  | 132               | 462   | 17           | 6.02          |                           | Deer Run Ln     | 9030          | RB     | Limited or Unprotected | Chelmsford Water District | Chelmsford Water District | Wellhead Protection | No                   | 11076 / 008   |
|  | <b>56 Parcels</b> |       | <b>Total</b> | <b>266.43</b> |                           |                 |               |        |                        |                           |                           |                     |                      |               |
| <b>PRIVATE LANDS</b>   |                   |       |              |               |                           |                 |               |        |                        |                           |                           |                     |                      |               |
| <b>Chapter 61 Land</b>   | 7                 | 4     | 40           | 4.36          |                           | Glendale Rd     | 6010          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Lowell Sportsmen Club     | Recreation          | Yes                  | 01107 / 0424  |
|  | 7                 | 4     | 41           | 7.50          |                           | Dunstable Rd    | 6010          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Lowell Sportsmen Club     | Recreation          | Yes                  | 01107 / 0424  |
|  | 7                 | 4     | 43           | 1.12          |                           | Dunstable Rd    | 6010          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Lowell Sportsmen Club     | Recreation          | Yes                  | 011661 / 0271 |
|  | 7                 | 4     | 44           | 1.95          |                           | Dunstable Rd    | 6010          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Lowell Sportsmen Club     | Recreation          | Yes                  | 01107 / 0424  |
|  | 8                 | 4     | 26           | 1.14          |                           | Swain Rd        | 6010          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Lowell Sportsmen Club     | Recreation          | Yes                  | 00044 / 0387  |
|  | 8                 | 4     | 29           | 0.30          |                           | Swain Rd        | 6010          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Lowell Sportsmen Club     | Recreation          | Yes                  | Pro#1/9930    |
|  | 11                | 4     | 2            | 41.00         |                           | 50 Swain Rd     | 6010          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Lowell Sportsmen Club     | Recreation          | Yes                  |               |
|  | 12                | 4     | 1            | 0.21          |                           | Swain Rd        | 1320          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Lowell Sportsmen Club     | Recreation          | Yes                  | Pro#1/9930    |
|  | 12                | 4     | 2            | 2.51          |                           | Swain Rd        | 6010          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Lowell Sportsmen Club     | Recreation          | Yes                  | 01080 / 0237  |
|  | 72                | 320   | 14           | 13.72         |                           | Bridge St       | 6010          | RB     | Limited or Unprotected | Lowell Sportsmen Club     | Bridge St Realty Trust    | Recreation          | Yes                  | 02050 / 0592  |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |                   |       |              |               |      |                  |               |        |                        |                           |                            |                       |                      |              |
|--|-------------------|-------|--------------|---------------|------|------------------|---------------|--------|------------------------|---------------------------|----------------------------|-----------------------|----------------------|--------------|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map               | Block | Lot          | Acres         | Name | Address          | Land Use Code | Zoning | Level of Protection    | Owner                     | Manager                    | Use                   | Recreation Potential | Book - Page  |
| Chapter 61 Land (Con't)  | 119               | 450   | 8            | 17.26         |      | Concord Rd       | 1010          | RB     | Limited or Unprotected | A. Visniewski             | A. Visniewski              | Natural Resource Area | Yes                  | 6078/300     |
| Partial  | 81                | 321   | 1            | 21.16         |      | 24 Misty Meadow  | 101           | RB     | Limited or Unprotected | M. hennessy               | M. Hennesy                 | Natural Resource Area | Yes                  | 843/488      |
|  | <b>12 Parcels</b> |       | <b>Total</b> | <b>112.23</b> |      |                  |               |        |                        |                           |                            |                       |                      |              |
| <b>Chapter 61A Land</b>  | 19                | 59    | 5            | 23.02         |      | Princeton St     | 7170          | RB     | Limited or Unprotected | Mahoney Group LLC         | Mahoney Group LLC          | Agricultural          |                      | 2116 / 24    |
|  | 19                | 59    | 12           | 1.98          |      | Richardson Rd    | 7220          | RB     | Limited or Unprotected | Mahoney Group LLC         | Mahoney Group LLC          | Agricultural          |                      | 2116 / 24    |
|  | 20                | 59    | 1            | 3.26          |      | 165 Prinston St. | 3220          | CBR    | Limited or Unprotected | Mahoney Group LLC         | Mahoney Group LLC          | Agricultural          |                      | 2116/24      |
|  | 41                | 140   | 13           | 6.67          |      | Clinton Ave      | 101           | RB     | Limited or Unprotected | Manville, Claire          | Doris S. Mainville         | Agricultural          |                      | 02335 / 0537 |
|  | 59                | 276   | 14           | 11.87         |      | Westford St      | 714           | RB     | Limited or Unprotected | Lupien, Albert Jr.        | Maria K. Lupien Trustees   | Agricultural          |                      | 7231 / 295   |
|  | 60                | 206   | 31           | 6.93          |      | 30 Lantern Lane  | 1010          | RB     | Limited or Unprotected | J. Sanborn                | J. Sanborn                 | Agricultural          |                      | 8700/104     |
|  | 81                | 316   | 7            | 0.05          |      | Pine Hill Rd     | 7220          | RB     | Limited or Unprotected | Parlee, Henry G Jr.       | Parlee, Henry G Jr.        | Agricultural          |                      | 11315/396    |
|  | 81                | 316   | 8            | 1.89          |      | Pine Hill Rd     | 7220          | RB     | Limited or Unprotected | Parlee, Henry G Jr.       | Parlee, Henry G Jr.        | Agricultural          |                      | 11315/396    |
| Partial  | 81                | 321   | 1            | 18.00         |      | 24 Misty Meadow  | 101           | RB     | Limited or Unprotected | M. hennessy               | M. Hennesy                 | Natural Resource Area | Yes                  | 843/488      |
|  | 81                | 321   | 17           | 8.19          |      | Pine Hill Rd     | 7160          | RB     | Limited or Unprotected | Parlee, Henry G Jr.       | Parlee, Henry G Jr.        | Agricultural          |                      | 11315 / 196  |
|  | 81                | 321   | 35           | 14.00         |      | Pine Hill Rd     | 1010          | RB     | Limited or Unprotected | Parlee, Henry G Jr.       | Parlee, Henry G Jr.        | Agricultural          |                      | 11315 / 196  |
|  | 81                | 321   | 44           | 3.36          |      | Pine Hill Rd     | 7160          | RB     | Limited or Unprotected | Parlee, Henry G Jr.       | Parlee, Henry G Jr.        | Agricultural          |                      | 11315 / 196  |
|  | 81                | 321   | 46           | 2.76          |      | Pine Hill Rd     | 7160          | RB     | Limited or Unprotected | Parlee, Henry G Jr.       | Parlee, Henry G Jr.        | Agricultural          |                      | 11315 / 196  |
|  | 91                | 321   | 2            | 2.33          |      | Pine Hill Rd     | 7160          | RB     | Limited or Unprotected | Parlee, Henry G Jr.       | Parlee, Henry G Jr.        | Agricultural          |                      | 11315 / 196  |
|  | 94                | 348   | 14           | 53.32         |      | Boston Rd        | 106           | RB     | Limited or Unprotected | Pohl, Martha L. & David C | Warren Franklin E & Mary E | Agricultural          |                      | 6138 / 64    |
|  | 99                | 370   | 1            | 29.68         |      | 249 Pine Hill Rd | 7130          | RB     | Limited or Unprotected | Sheehan, Andrew           | Sheehan, Donna J           | Agricultural          |                      | 8080 / 65    |
|  | 104               | 387   | 48           | 27.00         |      | 56 Mill Rd.      | 1010          | RA     | Limited or Unprotected | John & Marion Chase       | John & Marion Chase        | Agricultural          |                      | 7211/326     |
|  | 117               | 443   | 1            | 5.00          |      | Acton Rd         | 7130          | RB     | Limited or Unprotected | Parlee, Charles A.        | Parlee, Jeanne L           | Agricultural          |                      | 04036 / 0181 |
|  | 117               | 443   | 31           | 1.06          |      | 26 Proctor Rd.   | 7130          | RB     | Limited or Unprotected | Parlee, Charles A.        | Parlee, Jeanne L           | Agricultural          |                      | LCD245468    |

| APPENDIX D: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST |                   |       |              |               |  |                   |               |         |                        |  |                               |              |                      |              |  |  |  |  |  |
|--|-------------------|-------|--------------|---------------|--|-------------------|---------------|---------|------------------------|--|-------------------------------|--------------|----------------------|--------------|--|--|--|--|--|
| <i>Note: Land use codes provided by Vision Appraisal</i>               | Map               | Block | Lot          | Acres         | Name   | Address           | Land Use Code | Zoning  | Level of Protection    | Owner  | Manager                       | Use          | Recreation Potential | Book - Page  |  |  |  |  |  |
| Chapter 61A Land (Con't)   | 119               | 450   | 4            | 7.00          |  | Concord Rd        | 7130          | RB      | Limited or Unprotected | McKay, Marlee E. Trustee                                       | Center Real Estate Trust      | Agricultural |                      | 6669 / 264   |  |  |  |  |  |
|  | 119               | 450   | 10           | 1.00          |  | Concord Rd        | 7130          | RB      | Limited or Unprotected | McKay, Marlee E. Trustee                                       | Center Real Estate Trust      | Agricultural |                      | 6669/ 262    |  |  |  |  |  |
|  | 126               | 449   | 2            | 11.85         |  | Proctor Rd.       | 7220          | RB      | Limited or Unprotected | Frank Wojtas   | Frank Wojtas                  | Agricultural |                      | LCD15/1160   |  |  |  |  |  |
|  | 126               | 449   | 3            | 11.50         |  | Proctor Rd.       | 7220          | RB      | Limited or Unprotected | Frank Wojtas   | Frank Wojtas                  | Agricultural |                      | 6856/273     |  |  |  |  |  |
|  | 131               | 462   | 2            | 5.25          |  | 122 Proctor Rd,   | 1010          | RB      | Limited or Unprotected | Patricia Wojtas  | Patricia Wojtas               | Agricultural |                      | 0597/0004    |  |  |  |  |  |
|  | <b>24 Parcels</b> |       | <b>Total</b> | <b>256.97</b> |  |                   |               |         |                        |  |                               |              |                      |              |  |  |  |  |  |
| <b>Chapter 61B Land</b>  | 57                | 215   | 9            | 0.93          |  | Spaulding Road    | 8030          | RB      | Limited or Unprotected | William Harman   | William Harman                | Recreation   | Yes                  | PR46/6569    |  |  |  |  |  |
|  | 108               | 393   | 1            | 17.00         |  | 133 Robin Hill Rd | 8110          | CB      | Limited or Unprotected | Chelmsford Swimming  | Tennis Club Inc.              | Recreation   | Yes                  | 01718 / 0183 |  |  |  |  |  |
|  | 113               | 397   | 7            | 11.00         |  | 160 Mill Rd       | 8110          | RC      | Limited or Unprotected | S. Chelmsford Rod & Gun Club                                   | S. Chelmsford Rod & Gun Club  | Recreation   | Yes                  | 01258 / 0174 |  |  |  |  |  |
|  | <b>3 Parcels</b>  |       | <b>Total</b> | <b>28.93</b>  |  |                   |               |         |                        |  |                               |              |                      |              |  |  |  |  |  |
| <b>Privately Owned Parcels</b>   | 41                | 128   | 1            | 2.52          | Lowell Hebrew Community  | Lancaster Ave     | 9200          | RB      | Unprotected            | Lowell Hebrew Comm. CTR Corp                                   | Lowell Hebrew Comm. CTR Corp  | Cemetery     | No                   | 1031 / 325   |  |  |  |  |  |
|  | 65                | 257   | 1            | 7.75          | St. Joseph Cemetery  | Riverneck Rd      | 9090          | IS / RB | Unprotected            | Roman Catholic Arch of Boston                                  | Roman Catholic Arch of Boston | Cemetery     | No                   | 875 / 232    |  |  |  |  |  |
|  | 65                | 271   | 4            | 57.00         | St. Joseph Cemetery  | 96 Riverneck Rd   | 953C          | RB      | Unprotected            | OMI Rufus Whitley ETALS  | TR of Oblate Real Estate TR   | Cemetery     | No                   | 10717 / 103  |  |  |  |  |  |
|  | 76                | 271   | 3            | 17.00         | St Josephs Cemetery  | 50 Canal St       | 909R          | IA      | Unprotected            | St Josephs Cemetery  | St Josephs Cemetery           | Cemetery     | No                   | 12707 / 32   |  |  |  |  |  |
|  | 76                | 271   | 7            | 11.60         | St. Joseph Cemetery  | Riverneck Rd      | 903V          | IA      | Unprotected            | St Josephs Cemetery  | St Josephs Cemetery           | Cemetery     | No                   | 9839 / 275   |  |  |  |  |  |
|  | 76                | 271   | 11           | 6.20          | St. Joseph Cemetery  | 96 Riverneck Rd   | 909           | RB      | Unprotected            | St Josephs Cemetery  | St Josephs Cemetery           | Cemetery     | No                   | 12707 / 29   |  |  |  |  |  |
|  | <b>6 Parcels</b>  |       | <b>Total</b> | <b>102.07</b> |  |                   |               |         |                        |  |                               |              |                      |              |  |  |  |  |  |
| <b>Limited or Unprotected Public Parcels<br/>1,129.06 Total Acres</b>  |                   |       |              |               | <b>Limited or Unprotected Private Parcels<br/>500.20 Total Acres</b> |                   |               |         |                        | <b>Limited or Unprotected Parcels<br/>1,629.26 Total Acres</b> |                               |              |                      |              | <b>Protected, Limited and Unprotected Parcels Total<br/>2,620.42 Total Acres</b> |  |  |  |  |

## **Wildlife, Rare and Endangered Species in Chelmsford**

## Wildlife Species found in Chelmsford

The following is a list of Amphibians, Reptiles, Birds, and Mammals, currently believed to be present within the Town. Species are listed in alphabetical order by common name; bird groupings are based generally and broadly on accepted relationships. The list does not distinguish between common and rare species, or, in the case of birds, among over-wintering, migratory, breeding, and year-round populations. Plant species are not included in the tables provided below. A complete list of plant species can be obtained from the Massachusetts Natural Heritage and Endangered Species Program (NHESP), part of the Massachusetts Division of Fisheries and Wildlife.

[http://www.mass.gov/dfwele/dfw/nhosp/species\\_info/mesa\\_list/mesa\\_list.htm#PLANTS](http://www.mass.gov/dfwele/dfw/nhosp/species_info/mesa_list/mesa_list.htm#PLANTS)

Residents are encouraged to report to the Open Space and Recreation Plan Committee any sightings of rare or new specie. Names are taken from Richard M. DeGraaf & Mariko Yamasaki, 2001, *New England Wildlife*, University Press of New England, Hanover, NH.

(I: introduced; E: endangered; SC: special concern; T: threatened)

### AMPHIBIANS

| Common Name                    | Scientific Name                              |
|--------------------------------|--|
| Blue-spotted Salamander        | <i>Ambystoma laterale</i> (SC)               |
| Bullfrog                       | <i>Rana catesbeiana</i>                      |
| Eastern American Toad          | <i>Bufo americanus</i>                       |
| Gray Treefrog                  | <i>Hyla versicolor</i>                       |
| Green Frog                     | <i>Rana clamitans melanota</i>               |
| Northern Leopard Frog          | <i>Rana pipiens</i>                          |
| Northern Red-Backed Salamander | <i>Plethodon cinereus</i>                    |
| Northern Spring Peeper         | <i>Pseudacris crucifer crucifer</i>          |
| Northern Two-lined Salamander  | <i>Eurycea bislineata</i>                    |
| Pickerel Frog                  | <i>Rana palustris</i>                        |
| Red-Spotted Newt               | <i>Notophthalmus viridescens viridescens</i> |
| Spotted Salamander             | <i>Ambystoma maculatum</i>                   |
| Wood Frog                      | <i>Rana sylvatica</i>                        |

### REPTILES

| Common Name                  | Scientific Name                           |
|------------------------------|---|
| Blanding's Turtle            | <i>Emydoidea Blandingii</i> (T)           |
| Common Musk Turtle           | <i>Sternotherus oderatus</i>              |
| Common Snapping Turtle       | <i>Chelydra serpentina serpentina</i>     |
| Eastern Garter Snake         | <i>Thamnophis sirtalis sirtalis</i>       |
| Eastern Milk Snake           | <i>Lampropeltis triangulum triangulum</i> |
| Eastern Painted Turtle       | <i>Chrysemys picta picta</i>              |
| Northern Black Racer (snake) | <i>Coluber constrictor constrictor</i>    |
| Northern Water Snake         | <i>Nerodia sipedon sipedon</i>            |
| Spotted Turtle               | <i>Clemmys guttata</i> (SC)               |

**REPTILES**

| Common Name        | Scientific Name                |
|--------------------|--------------------------------|
| Wood Turtle        | <i>Clemmys insculpta</i> (SC)  |
| Eastern Box Turtle | <i>Terrapene carolina</i> (SC) |

**MAMMALS**

| Common Name                  | Scientific Name                 |
|------------------------------|---------------------------------|
| Beaver                       | <i>Castor canadensis</i>        |
| Big Brown Bat                | <i>Eptesicus fuscus</i>         |
| Black Bear                   | <i>Ursus americanus</i>         |
| Canada Porcupine             | <i>Erethizon dorsatum</i>       |
| Coyote                       | <i>Canis latrans</i>            |
| Eastern Chipmunk             | <i>Tamias striatus</i>          |
| Eastern Cottontail (Rabbit)  | <i>Sylvilagus floridanus</i>    |
| Eastern Gray Squirrel        | <i>Sciurus carolinensis</i>     |
| Eastern Mole                 | <i>Scalopus aquaticus</i>       |
| Ermine (Short-tailed Weasel) | <i>Mustela erminea</i>          |
| Fisher                       | <i>Martes pennanti</i>          |
| Gray Fox                     | <i>Urocyon cinereoargenteus</i> |
| House Mouse                  | <i>Mus musculus</i>             |
| Long-Tailed Weasel           | <i>Mustela frenata</i>          |
| Masked Shrew                 | <i>Sorex cinereus</i>           |
| Meadow Jumping Mouse         | <i>Zapus hudsonius</i>          |
| Meadow Vole                  | <i>Microtus pennsylvanicus</i>  |
| Mink                         | <i>Mustela vison</i>            |
| Moose                        | <i>Alces alces</i>              |
| Muskrat                      | <i>Ondatra zibethicus</i>       |
| Norway Rat                   | <i>Rattus norvegicus</i>        |
| Porcupine                    | <i>Erethizon dorsatum</i>       |
| Raccoon                      | <i>Procyon lotor</i>            |
| Red Fox                      | <i>Vulpes vulpes</i>            |
| Red Squirrel                 | <i>Tamiasciurus hudsonicus</i>  |
| River Otter                  | <i>Lutra canadensis</i>         |
| Southern Red-Backed Vole     | <i>Clethrionomys gapperi</i>    |
| Southern Flying Squirrel     | <i>Glaucomys volans</i>         |
| Striped Skunk                | <i>Mephitis mephitis</i>        |
| Virginia Opossum             | <i>Didelphis virginiana</i>     |
| White-Footed Mouse           | <i>Peromyscus sp.</i>           |
| White-Tailed Deer            | <i>Odocoileus virginianus</i>   |
| Woodchuck ("Groundhog")      | <i>Marmota monax</i>            |

**BIRDS : Water Birds, Shorebirds**

| Common Name              | Scientific Name              |
|--------------------------|------------------------------|
| American Black Duck      | <i>Anas rubripes</i>         |
| Blue-Winged Teal         | <i>Anas discors</i>          |
| Canada Goose             | <i>Branta canadensis</i>     |
| Common Merganser         | <i>Mergus merganser</i>      |
| Common Goldeneye         | <i>Bucephala clangula</i>    |
| Double-Crested Cormorant | <i>Phalacrocorax auritus</i> |

**BIRDS : Water Birds, Shorebirds**

| Common Name       | Scientific Name              |
|-------------------|------------------------------|
| Great Blue Heron  | <i>Ardea herodias</i>        |
| Great Egret       | <i>Ardea alba</i>            |
| Green Heron       | <i>Butorides virescens</i>   |
| Green-Winged Teal | <i>Anas crecca</i>           |
| Herring Gull      | <i>Larus argentatus</i>      |
| Hooded Merganser  | <i>Lophodytes cucullatus</i> |
| Mallard           | <i>Anas platyrhynchos</i>    |
| Ring-Necked Duck  | <i>Aythya collaris</i>       |
| Spotted Sandpiper | <i>Actitis macularia</i>     |
| Wood Duck         | <i>Aix sponsa</i>            |

**BIRDS: Game Birds, Pigeons, Doves, etc.**

| Common Name                 | Scientific Name                |
|-----------------------------|--------------------------------|
| American Woodcock           | <i>Scolopax minor</i>          |
| Common Snipe                | <i>Gallinago gallinago</i>     |
| Killdeer                    | <i>Charadrius vociferus</i>    |
| Mourning Dove               | <i>Zenaida macroura</i>        |
| Northern Bobwhite           | <i>Colinus virginianus</i>     |
| Ring-Necked Pheasant        | <i>Phasianus colchicus (I)</i> |
| Rock Dove ("Pigeon")        | <i>Columba livia (I)</i>       |
| Ruffed Grouse ("Partridge") | <i>Bonasa umbellus</i>         |
| Wild Turkey                 | <i>Meleagris gallopavo</i>     |

**BIRDS: Hawks, Owls, Eagles, Vultures**

| Common Name                       | Scientific Name                     |
|-----------------------------------|-------------------------------------|
| American Kestrel ("Sparrow Hawk") | <i>Falco sparverius</i>             |
| Bald Eagle                        | <i>Haliaeetus leucocephalus (E)</i> |
| Barn Owl                          | <i>Tyto alba</i>                    |
| Barred Owl                        | <i>Strix varia</i>                  |
| Cooper's ("Chicken") Hawk         | <i>Accipiter cooperi</i>            |
| Eastern Screech Owl               | <i>Otus asio</i>                    |
| Great-Horned Owl                  | <i>Bubo virginianus</i>             |
| Merlin ("Pigeon Hawk")            | <i>Falco columbarius</i>            |
| Northern Harrier ("Marsh Hawk")   | <i>Circus cyaneus (T)</i>           |
| Northern Saw-Whet Owl             | <i>Aegolius acadicus</i>            |
| Osprey                            | <i>Pandion haliaetus</i>            |
| Red-Tailed Hawk                   | <i>Buteo jamaicensis</i>            |
| Sharp-Shinned Hawk                | <i>Accipiter striatus (SC)</i>      |
| Turkey Vulture ("Buzzard")        | <i>Cathartes aura</i>               |

**BIRDS: Swifts, Swallows, Kingfishers, Hummingbirds, Nighthawks**

| Common Name       | Scientific Name                 |
|-------------------|---------------------------------|
| Barn Swallow      | <i>Hirundo rustica</i>          |
| Belted Kingfisher | <i>Ceryle alcyon</i>            |
| Chimney Swift     | <i>Chaetura pelagica</i>        |
| Cliff Swallow     | <i>Petrochelidon pyrrhonota</i> |

**BIRDS: Swifts, Swallows, Kingfishers, Hummingbirds, Nighthawks**

| Common Name                   | Scientific Name                   |
|-------------------------------|-----------------------------------|
| Common Nighthawk              | <i>Chordeiles minor</i>           |
| Northern Rough-Winged Swallow | <i>Stelgidopteryx serripennis</i> |
| Purple Martin                 | <i>Progne subis</i>               |
| Ruby-Throated Hummingbird     | <i>Archilochus colubris</i>       |
| Tree Swallow                  | <i>Tachycineta bicolor</i>        |

**BIRDS: Blackbirds, Orioles, Meadowlarks, Tanagers, Crows, Jays, Cuckoos, Starlings**

| Common Name          | Scientific Name                  |
|----------------------|----------------------------------|
| American Crow        | <i>Corvus brachyrhynchos</i>     |
| Baltimore Oriole     | <i>Icterus galbula</i>           |
| Black-Billed Cuckoo  | <i>Coccyzus erythrophthalmus</i> |
| Blue Jay             | <i>Cyanocitta cristata</i>       |
| Bobolink             | <i>Dolichonyx oryzivorus</i>     |
| Brown-Headed Cowbird | <i>Molothrus ater</i>            |
| Common Grackle       | <i>Quiscalus quiscula</i>        |
| Eastern Meadowlark   | <i>Sturnella magna</i>           |
| European Starling    | <i>Sturnus vulgaris (I)</i>      |
| Red-Winged Blackbird | <i>Agelaius phoeniceus</i>       |
| Scarlet Tanager      | <i>Piranga olivacea</i>          |

**BIRDS: Woodpeckers**

| Common Name            | Scientific Name             |
|------------------------|-----------------------------|
| Downy Woodpecker       | <i>Picoides pubescens</i>   |
| Hairy Woodpecker       | <i>Picoides villosus</i>    |
| Northern Flicker       | <i>Colaptes auratus</i>     |
| Pileated Woodpecker    | <i>Dryocopus pileatu</i>    |
| Red-bellied Woodpecker | <i>Melanerpes carolinus</i> |

**BIRDS: Flycatchers, Larks, Waxwings**

| Common Name              | Scientific Name             |
|--------------------------|-----------------------------|
| Cedar Waxwing            | <i>Bombycilla cedrorum</i>  |
| Eastern Kingbird         | <i>Tyrannus tyrannus</i>    |
| Eastern Phoebe           | <i>Sayornis phoebe</i>      |
| Eastern Wood Pewee       | <i>Contopus virens</i>      |
| Great Crested Flycatcher | <i>Myiarchus crinitus</i>   |
| Horned Lark              | <i>Eremophila alpestris</i> |
| Least Flycatcher         | <i>Empidonax minimus</i>    |
| Olive-Sided Flycatcher   | <i>Contopus cooperi</i>     |

**BIRDS: Thrushes (incl. Robins, Bluebirds, Kinglets), Mimic Thrushes, (Mockingbirds)**

| Common Name      | Scientific Name           |
|------------------|---------------------------|
| American Robin   | <i>Turdus migratorius</i> |
| Eastern Bluebird | <i>Sialia sialis</i>      |

**BIRDS: Thrushes (incl. Robins, Bluebirds, Kinglets), Mimic Thrushes, (Mockingbirds)**

| Common Name          | Scientific Name               |
|----------------------|-------------------------------|
| Brown Thrasher       | <i>Toxostoma rufum</i>        |
| Gray Catbird         | <i>Dumetella carolinensis</i> |
| Hermit Thrush        | <i>Catharus guttatus</i>      |
| Northern Mockingbird | <i>Mimus polyglottos</i>      |
| Ruby-Crowned Kinglet | <i>Regulus calendula</i>      |
| Veery                | <i>Catharus fuscescens</i>    |
| Wood Thrush          | <i>Hylocichla mustelina</i>   |

**BIRDS: Chickadees, Titmice, Nuthatches, Creepers**

| Common Name             | Scientific Name             |
|-------------------------|-----------------------------|
| Black-Capped Chickadee  | <i>Poecile atricapillus</i> |
| Brown Creeper           | <i>Certhia americana</i>    |
| Red-Breasted Nuthatch   | <i>Sitta canadensis</i>     |
| Tufted Titmouse         | <i>Baeolophus bicolor</i>   |
| White-Breasted Nuthatch | <i>Sitta carolinensis</i>   |

**BIRDS: Sparrows, Finches, Grosbeaks, Buntings, Towhees, Juncos, Cardinals**

| Common Name               | Scientific Name                   |
|---------------------------|-----------------------------------|
| American Goldfinch        | <i>Carduelis tristis</i>          |
| American Tree Sparrow     | <i>Spizella arborea</i>           |
| Chipping Sparrow          | <i>Spizella passerina</i>         |
| Common Redpoll            | <i>Carduelis flammea</i>          |
| Eastern Towhee            | <i>Pipilo erythrophthalmus</i>    |
| Evening Grosbeak          | <i>Coccothraustes vespertinus</i> |
| Dark-Eyed Junco           | <i>Junco hyemalis</i>             |
| Field Sparrow             | <i>Spizella pusilla</i>           |
| Fox Sparrow               | <i>Passerella iliaca</i>          |
| House Finch               | <i>Carpodacus mexicanus</i>       |
| House ("English") Sparrow | <i>Passer domesticus (I)</i>      |
| Indigo Bunting            | <i>Passerina cyanea</i>           |
| Northern Cardinal         | <i>Cardinalis cardinalis</i>      |
| Pine Siskin               | <i>Carduelis pinus</i>            |
| Purple Finch              | <i>Carpodacus purpureus</i>       |
| Rose-Breasted Grosbeak    | <i>Pheucticus ludovicianu</i>     |
| Savannah Sparrow          | <i>Passerculus sandwichensis</i>  |
| Snow Bunting              | <i>Plectrophenax nivalis</i>      |
| Song Sparrow              | <i>Melospiza melodia</i>          |
| White-Crowned Sparrow     | <i>Zonotrichia leucophrys</i>     |
| White-Throated Sparrow    | <i>Zonotrichia albicollis</i>     |

**BIRDS: Wrens , Warblers, Vireos**

| Common Name             | Scientific Name            |
|-------------------------|----------------------------|
| American Redstart       | <i>Setophaga ruticilla</i> |
| Black-and-White Warbler | <i>Mniotilta varia</i>     |
| Blackburnian Warbler    | <i>Dendroica fusca</i>     |

**BIRDS: Wrens , Warblers, Vireos**

| Common Name                 | Scientific Name                 |
|-----------------------------|---------------------------------|
| Black-Throated Blue Warbler | <i>Dendroica caerulescens</i>   |
| Blue-Winged Warbler         | <i>Vermivora pinus</i>          |
| Carolina Wren               | <i>Thryothorus ludovicianus</i> |
| Chestnut-Sided Warbler      | <i>Dendroica pensylvanica</i>   |
| Common Yellowthroat         | <i>Geothlypis trichas</i>       |
| House Wren                  | <i>Troglodytes aedon</i>        |
| Ovenbird                    | <i>Seiurus aurocapillus</i>     |
| Pine Warbler                | <i>Dendroica pinus</i>          |
| Red-Eyed Vireo              | <i>Vireo olivaceus</i>          |
| Winter Wren                 | <i>Troglodytes troglodytes</i>  |
| Yellow Warbler              | <i>Dendroica petechia</i>       |
| Yellow-Rumped Warbler       | <i>Dendroica coronata</i>       |

**Definitions:**

An “endangered” species (E) is a native species that is in danger of extinction throughout all or part of its range or which is in danger of extirpation from Massachusetts, as documented by biological research and inventory.

A “threatened” species (T) is a native species that is likely to become endangered in the foreseeable future, or which is declining or rare as documented by biological research and inventory.

A “special concern” species (SC) is a native species that has been documented by biological research and inventory to have suffered a decline that could threaten the species if allowed to continue unchecked, or that occur in such small numbers or with such restricted distribution or specialized habitat requirements that they could easily become threatened within Massachusetts.

# APPENDIX F

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## Hazardous Waste Sites

| RTN      | City/Town  | Release Address            | Site Name/ Location Aid        | Reporting Category | Notification Date | Compliance Status | Date       | Phase     | RAO Class | Chemical Type              |
|----------|------------|----------------------------|--------------------------------|--------------------|-------------------|-------------------|------------|-----------|-----------|----------------------------|
| 3-000049 | CHELMSFORD | 11 SCHOOL ST               | NYES JAPENAMELAC FMR           | NONE               | 12/10/1985        | RAO               | 8/28/2007  |           | A3        | Oil                        |
| 3-000290 | CHELMSFORD | 275 BILLERICA RD           | ELECTROMETALS INC FMR          | NONE               | 1/15/1987         | RAO               | 12/9/2009  | PHASE V   | C2        |                            |
| 3-000565 | CHELMSFORD | 30 CHELMSFORD ST           | BILL & ANDYS                   | NONE               | 1/15/1987         | REMOPS            | 12/23/2005 | PHASE V   |           |                            |
| 3-000709 | CHELMSFORD | 95 CHELMSFORD ST           | AMOCO 1166 FMR                 | NONE               | 7/15/1991         | REMOPS            | 3/25/2008  | PHASE V   |           | Oil                        |
| 3-000789 | CHELMSFORD | 293 CHELMSFORD ST          | CHEVRON STATION 118723         | NONE               | 1/15/1990         | RAO               | 6/16/2009  |           | A2        |                            |
| 3-000790 | CHELMSFORD | 5 DRUM HILL RD             | DRUM HILL EXXON                | NONE               | 10/15/1986        | RAO               | 8/2/1995   | PHASE II  | A2        |                            |
| 3-000834 | CHELMSFORD | 80 CHELMSFORD ST           | EXXON SERVICE STATION FMR      | NONE               | 1/15/1989         | RAO               | 10/3/2006  |           | A2        | Oil and Hazardous Material |
| 3-000908 | CHELMSFORD | 7 STUART RD                | OPTRONICS                      | NONE               | 1/20/1987         | DEPNFA            | 7/23/1993  |           |           |                            |
| 3-000910 | CHELMSFORD | 187 BILLERICA RD           | UNITED GLASS ALTID ENTERP FMR  | NONE               | 3/3/1987          | PENNFA            | 8/1/1995   |           |           | Oil                        |
| 3-001053 | CHELMSFORD | 89 CHELMSFORD ST           | SAV MOR FUEL                   | NONE               | 9/2/1986          | DEPNDS            | 5/10/1996  |           |           |                            |
| 3-001071 | CHELMSFORD | 91-99 DRUM HILL RD         | DRUM HILL SERVICE STATION      | NONE               | 10/15/1988        | RAO               | 6/20/1994  |           | A3        | Oil                        |
| 3-001157 | CHELMSFORD | 9 PROGRESS AVE             | PROPERTY                       | NONE               | 10/15/1989        | RAO               | 3/11/1996  |           |           |                            |
| 3-001205 | CHELMSFORD | 27 KATRINA RD              | SILICON TRANSISTOR CORPORATION | NONE               | 10/15/1989        | TIER 1A           | 10/5/1994  | PHASE IV  |           |                            |
| 3-001360 | CHELMSFORD | 164 MIDDLESEX ST           | PROPERTY                       | NONE               | 10/15/1988        | LSPNFA            | 3/14/1997  |           |           |                            |
| 3-001490 | CHELMSFORD | 81 TYNGSBORO RD            | GULF SERVICE STATION           | NONE               | 9/2/1986          | TIER 2            | 2/20/2009  | PHASE V   |           | Oil                        |
| 3-001582 | CHELMSFORD | 7 ACTON RD                 | CHELMSFORD GULF FMR CITGO      | NONE               | 1/15/1990         | RAO               | 10/29/2008 |           | C1        | Oil                        |
| 3-001664 | CHELMSFORD | 100 WOTTON ST COMBING CO   | WELLMAN RLTY SOUTHWELL FMR     | NONE               | 1/15/1987         | LSPNFA            | 3/14/1997  |           |           |                            |
| 3-002098 | CHELMSFORD | 188 PRINCETON ST           | SHELL OIL CO                   | NONE               | 4/15/1989         | REMOPS            | 7/11/2002  | PHASE V   |           | Oil                        |
| 3-002111 | CHELMSFORD | DRUM HILL RD               | DRUM HILL SHOPPING CENTER      | NONE               | 4/15/1989         | PENNFA            | 8/10/1993  |           |           |                            |
| 3-002668 | CHELMSFORD | 152 STEDMAN ST             | GLENVIEW SAND & GRAVEL         | NONE               | 5/17/1994         | ADEQUATE REG      | 8/14/1997  |           |           |                            |
| 3-002739 | CHELMSFORD | 28 CENTRAL SQ              | CARE CLEANERS                  | NONE               | 1/15/1990         | TIER 1C           | 8/5/1997   | PHASE IV  |           | Oil                        |
| 3-002740 | CHELMSFORD | 286 CHELMSFORD ST          | ANTONS CLEANERS                | NONE               | 12/5/1989         | LSPNFA            | 8/1/1996   |           |           | Oil                        |
| 3-002747 | CHELMSFORD | 30 CENTRAL SQ              | CENTRAL SQUARE MOBIL STATION   | NONE               | 4/15/1991         | REMOPS            | 11/29/2002 | PHASE V   |           | Oil                        |
| 3-002958 | CHELMSFORD | 21 ALPHA RD                | PROPERTY A                     | NONE               | 1/17/1990         | DEPNDS            | 7/23/1993  |           |           |                            |
| 3-002973 | CHELMSFORD | 25 KATRINA RD              | NYES JAPENAMELAC               | NONE               | 1/17/1990         | PENNFA            | 6/14/1996  |           |           | Oil                        |
| 3-002974 | CHELMSFORD | 27 INDUSTRIAL AVE          | PROPERTY                       | NONE               | 1/22/1990         | DEPNDS            | 7/23/1993  |           |           | Oil                        |
| 3-003090 | CHELMSFORD | 16 MAPLE RD                | FREQUENCY SOURCES INC FACILITY | NONE               | 4/15/1990         | RAO               | 9/13/2000  | PHASE III | A2        | Oil                        |
| 3-003177 | CHELMSFORD | 100 DRUM HILL RD           | SUNOCO SERVICE STATION         | NONE               | 10/15/1990        | RAO               | 11/29/2002 | PHASE IV  | A2        | Oil                        |
| 3-003534 | CHELMSFORD | 8 LITTLETON RD             | TEXACO SERVICE STATION         | NONE               | 4/15/1991         | RAO               | 5/25/1994  |           | A2        |                            |
| 3-003606 | CHELMSFORD | 177 BOSTON RD              | TRIANGLE SERVICE STATION       | NONE               | 7/15/1991         | RAO               | 4/5/2004   | PHASE IV  | A3        |                            |
| 3-003616 | CHELMSFORD | 16-17 OAK ST AND LITTLETON | MASS BITUMINOUS PRODUCTS       | NONE               | 7/15/1991         | RAO               | 6/21/2000  | PHASE III | B1        | Oil                        |
| 3-003629 | CHELMSFORD | 108-110 MIDDLESEX ST       | INDUSTRIAL PROPERTY            | NONE               | 7/15/1993         | RAO               | 4/18/1997  |           | B1        | Oil                        |
| 3-003933 | CHELMSFORD | 18 ALPHA RD                | PROPERTY                       | NONE               | 4/15/1992         | LSPNFA            | 6/9/1994   |           |           |                            |
| 3-003977 | CHELMSFORD | 230 NORTH RD               | CHELMSFORD POLICE STATION      | NONE               | 7/15/1993         | DEPNDS            | 6/4/1996   |           |           |                            |
| 3-004260 | CHELMSFORD | 34 CHELMSFORD ST           | PROPERTY                       | NONE               | 4/22/1993         | DEPNFA            | 6/4/1996   |           |           |                            |
| 3-004283 | CHELMSFORD | 154 MIDDLESEX ST           | WEBBER LUMBER CO FMR           | NONE               | 7/15/1993         | LSPNFA            | 6/18/1997  |           |           | Oil                        |
| 3-004353 | CHELMSFORD | 114 TURNPIKE RD            | INDUSTRIAL PROPERTY            | NONE               | 7/15/1993         | RAO               | 7/31/1997  |           |           | Oil                        |
| 3-004532 | CHELMSFORD | 10-11 JEAN AVE             | DR NICKS TRANSMISSION          | NONE               | 5/18/1992         | RAO               | 11/25/1998 | PHASE II  | A2        | Oil                        |
| 3-004550 | CHELMSFORD | 9 KIDDER RD                | COMMERCIAL PROPERTY            | NONE               | 10/1/1993         | RAO               | 4/28/2003  | PHASE II  | B1        | Oil                        |
| 3-004757 | CHELMSFORD | 100 CHELMSFORD ST          | AMPET GASOLINE STATION         | NONE               | 8/6/1992          | RAO               | 8/27/2009  |           | C1        | Oil                        |

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|-----------|------------|-------------------------------|-------------------------------------|--------------------|-------------------|-------------------|------------|----------|-----------|----------------------------|
| 3-0010076 | CHELMSFORD | RTE 3 NORTH BY RTE 495        | NO LOCATION AID                     | TWO HR             | 10/20/1993        | RAO               | 11/9/1993  |          |           |                            |
| 3-0010101 | CHELMSFORD | 279 BILLERICA RD              | ALPHA RD SIDE OF BLDG               | TWO HR             | 10/25/1993        | RAO               | 12/24/1993 |          | A1        | Oil                        |
| 3-0010580 | CHELMSFORD | 43 DRUM HILL RD               | REAR DELIVERY AREA                  | TWO HR             | 2/12/1994         | RAO               | 3/30/1994  |          | A1        | Oil                        |
| 3-0010778 | CHELMSFORD | 17 PROGRESS AVE               | NO LOCATION AID                     | 72 HR              | 3/31/1994         | RAO               | 5/31/1994  |          | A1        | Oil                        |
| 3-0010824 | CHELMSFORD | 23 GLEN AVE                   | LOCK UP DEVELOPMENT CORP CO         | 120 DY             | 3/11/1994         | DPS               | 3/16/1995  |          |           | Hazardous Material         |
| 3-0010848 | CHELMSFORD | 9 ALPHA RD                    | AT INTERSECTION WITH TRACY RD       | 120 DY             | 2/6/1995          | DPS               | 2/23/1996  | PHASE II |           | Hazardous Material         |
| 3-0010885 | CHELMSFORD | 285 MILL RD                   | MICROWAVE LOGIC                     | TWO HR             | 4/20/1994         | RAO               | 6/8/1994   |          | A1        | Oil                        |
| 3-0011209 | CHELMSFORD | RTE 495 S                     | REST AREA                           | TWO HR             | 6/27/1994         | RAO               | 3/24/1995  |          | A1        | Oil                        |
| 3-0011288 | CHELMSFORD | 120 CHELMSFORD ST             | SHELL OIL STATION                   | 72 HR              | 7/12/1994         | RAO               | 9/12/1994  |          | A2        | Oil and Hazardous Material |
| 3-0011400 | CHELMSFORD | CHELMSFORD STY                | BEHIND WANG TOWERS                  | TWO HR             | 8/1/1994          | RAO               | 9/21/1994  |          | A2        | Oil                        |
| 3-0012244 | CHELMSFORD | 45 ALPINE RD                  | US POST OFFICE                      | 72 HR              | 3/7/1995          | RAO               | 5/15/1995  |          | A1        | Oil                        |
| 3-0012353 | CHELMSFORD | WESTFORD ST OFF OF            | ACCESS RD TO GLENVIEW SAND & GRAVEL | TWO HR             | 4/5/1995          | RAO               | 4/12/1996  |          | A2        | Hazardous Material         |
| 3-0012429 | CHELMSFORD | RTE 495                       | AT ROUTE 3                          | TWO HR             | 4/30/1995         | RAO               | 6/19/1995  |          | A1        | Oil                        |
| 3-0012504 | CHELMSFORD | 100 PINE HILL RD              | EAST OF HUNT BRIDGE RD              | 120 DY             | 5/22/1995         | RAO               | 6/23/1995  |          | A2        | Oil                        |
| 3-0012751 | CHELMSFORD | 40 CHELMSFORD ST              | NO LOCATION AID                     | 72 HR              | 9/19/1995         | RAO               | 6/5/2002   | PHASE II | A2        | Oil and Hazardous Material |
| 3-0012795 | CHELMSFORD | TRACY RD                      | NEAR 310 TRACY RD                   | TWO HR             | 8/10/1995         | RAO               | 10/5/1995  |          | A2        | Oil                        |
| 3-0012928 | CHELMSFORD | 17 PROGRESS AVE               | 17 PROGRESS AVE                     | 120 DY             | 9/12/1995         | RAO               | 7/2/2007   |          | A2        | Hazardous Material         |
| 3-0013014 | CHELMSFORD | 16 PROGRESS AVE               | NO LOCATION AID                     | 72 HR              | 10/6/1995         | RAO               | 10/11/1996 |          | A2        | Oil                        |
| 3-0013256 | CHELMSFORD | 10 INDEPENDENCE DR            | NO LOCATION AID                     | 120 DY             | 12/13/1995        | DPS               | 12/13/1995 |          |           | Hazardous Material         |
| 3-0013476 | CHELMSFORD | RTE 495 N                     | 2 MILES NORTH OF BOSTON RD          | TWO HR             | 2/23/1996         | RAO               | 4/22/1996  |          | A2        | Oil                        |
| 3-0013511 | CHELMSFORD | WESTERN AVE (RTE 4 N OF RT 3) | MA HWY DEPT FACILITY #61            | 120 DY             | 2/29/1996         | RAO               | 2/27/1997  |          | A2        | Oil and Hazardous Material |
| 3-0013620 | CHELMSFORD | 19 PROGRESS AVE               | NO LOCATION AID                     | 120 DY             | 4/12/1996         | DPS               | 4/12/1996  |          |           | Hazardous Material         |
| 3-0013829 | CHELMSFORD | RTE 495N                      | BETWEEN RTE 110 & RTE 3 EXITS       | TWO HR             | 5/28/1996         | RAO               | 8/2/1996   |          | A1        | Oil                        |
| 3-0014114 | CHELMSFORD | RAMP FR RT 495 TO RT 3 N      | LOWELL CONNECTOR                    | TWO HR             | 8/12/1996         | RAO               | 10/10/1996 |          | A2        |                            |
| 3-0014176 | CHELMSFORD | 2-28 ALPINE LN                | PARLMONT PLAZA                      | 120 DY             | 8/14/1996         | RAO               | 12/15/1999 | PHASE IV | C1        | Hazardous Material         |
| 3-0014486 | CHELMSFORD | 23 RUTH ELLEN DR              | NO LOCATION AID                     | TWO HR             | 11/7/1996         | RAO               | 1/10/1997  |          | A1        | Oil                        |
| 3-0014491 | CHELMSFORD | 36 BARTLETT ST                | NO LOCATION AID                     | TWO HR             | 11/8/1996         | RAO               | 1/10/1997  |          | A1        |                            |
| 3-0014501 | CHELMSFORD | 15 CONCORD RD                 | SUBSTATION                          | TWO HR             | 11/16/1996        | RAO               | 1/14/1997  |          | A2        | Oil                        |
| 3-0014504 | CHELMSFORD | 35B HUNT ST                   | NO LOCATION AID                     | TWO HR             | 11/18/1996        | RAO               | 5/13/1997  |          | A2        | Oil                        |
| 3-0014625 | CHELMSFORD | 54 CHELMSFORD ST              | COMMERCIAL PROPERTY                 | 120 DY             | 12/13/1996        | REMOPS            | 1/18/2008  | PHASE V  |           | Oil                        |
| 3-0014664 | CHELMSFORD | 76-80 CHELMSFORD ST           | SUNOCO SERVICE STATION              | 120 DY             | 12/23/1996        | TIER 1C           | 3/18/1998  |          |           | Hazardous Material         |
| 3-0014716 | CHELMSFORD | 13 KIDDER RD                  | KENNEDY PROF SUPPLY                 | TWO HR             | 1/9/1997          | RAO               | 5/12/1997  |          | A2        | Oil                        |
| 3-0014920 | CHELMSFORD | RAMP FROM RTE 3S TO RTE 495S  | NO LOCATION AID                     | TWO HR             | 3/15/1997         | RAO               | 6/8/1997   |          | A1        | Oil                        |
| 3-0014934 | CHELMSFORD | 260 BILLERICA RD              | NO LOCATION AID                     | 72 HR              | 3/21/1997         | RAO               | 3/24/1998  |          | A2        | Oil and Hazardous Material |
| 3-0015083 | CHELMSFORD | RTE 3N @ RTE 129              | NO LOCATION AID                     | TWO HR             | 5/9/1997          | RAO               | 5/8/1998   |          | A2        | Oil                        |
| 3-0015143 | CHELMSFORD | 16 PROGRESS AVE               | NYNEX LEASED GARAGE FACILITY        | 120 DY             | 5/22/1997         | RAO               | 9/19/1997  |          | A2        | Oil                        |
| 3-0015239 | CHELMSFORD | RTE 3 SOUTHBOUND              | NO LOCATION AID                     | TWO HR             | 6/25/1997         | RAO               | 7/25/1997  |          | A1        | Oil                        |
| 3-0015244 | CHELMSFORD | RTE 40 AND MAIN ST            | FRONT OF 148                        | TWO HR             | 6/25/1997         | RAO               | 8/29/1997  |          | A1        | Hazardous Material         |
| 3-0015252 | CHELMSFORD | RTE 495 S                     | RTE 4 & 110                         | TWO HR             | 6/27/1997         | RAO               | 8/28/1997  |          | A2        | Oil                        |
| 3-0015509 | CHELMSFORD | 310 TRACY RD                  | NO LOCATION AID                     | 120 DY             | 9/11/1997         | RAO               | 9/11/1998  |          | B1        | Hazardous Material         |

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|-----------|------------|--------------------------------|---------------------------------|--------------------|-------------------|-------------------|------------|-----------|-----------|----------------------------|
| 3-0015620 | CHELMSFORD | STEDMAN ST                     | NO LOCATION AID                 | 120 DY             | 10/17/1997        | ADEQUATE REG      | 7/27/1998  |           |           |                            |
| 3-0015728 | CHELMSFORD | 31 DRUM HILL RD                | CUMBERLAND FARMS                | TWO HR             | 11/19/1997        | RAO               | 12/16/1997 |           | A1        | Oil                        |
| 3-0015769 | CHELMSFORD | RTE 495 SOUTH AT RTE 3 S       | RTE 35 RAMP TO RTE 110          | TWO HR             | 11/30/1997        | RAO               | 1/30/1998  |           | A1        | Hazardous Material         |
| 3-0015882 | CHELMSFORD | 187 CHELMSFORD ST              | BEST WESTERN HOTEL              | TWO HR             | 1/5/1998          | RAO               | 3/6/1998   |           | A1        | Oil                        |
| 3-0016645 | CHELMSFORD | 15 QUIGLEY AVE                 | NORTH CHELMSFORD SUBSTATION     | TWO HR             | 3/30/1998         | RAO               | 3/31/1999  |           | A3        | Oil                        |
| 3-0016647 | CHELMSFORD | 261 BILLERICA RD               | NO LOCATION AID                 | 120 DY             | 3/31/1998         | DPS               | 1/22/1998  |           |           | Oil                        |
| 3-0016783 | CHELMSFORD | 700 WELLMAN AVE                | WILLIAMSBURG CONDOMINIUMS       | TWO HR             | 5/11/1998         | RAO               | 7/20/1998  |           | A1        |                            |
| 3-0016996 | CHELMSFORD | 9 ACTON RD                     | NO LOCATION AID                 | 120 DY             | 7/1/1998          | DPS               | 7/1/1998   |           |           | Oil and Hazardous Material |
| 3-0017070 | CHELMSFORD | 293 CHELMSFORD ST              | INTERSECTION WITH GLENN AVE     | 120 DY             | 7/21/1998         | RAO               | 7/21/1999  |           | A2        | Oil and Hazardous Material |
| 3-0017075 | CHELMSFORD | RTE 495 N                      | STATION # 87.4                  | TWO HR             | 7/23/1998         | RAO               | 9/14/1998  |           | A2        | Oil                        |
| 3-0017730 | CHELMSFORD | 3 KENNEDY DR                   | US POST OFFICE                  | 120 DY             | 12/18/1998        | RAO               | 8/27/2002  | PHASE III | A2        | Oil                        |
| 3-0018870 | CHELMSFORD | 15 SPRAGUE AVE                 | NO LOCATION AID                 | TWO HR             | 10/22/1999        | RAO               | 2/18/2000  |           | A1        | Oil                        |
| 3-0018899 | CHELMSFORD | RTE 495 N                      | NO LOCATION AID                 | TWO HR             | 10/29/1999        | RAO               | 5/17/2000  |           | A1        |                            |
| 3-0019088 | CHELMSFORD | 177 BOSTON RD                  | TRIANGLE SERVICE CENTER         | 120 DY             | 12/17/1999        | RTN CLOSED        | 11/15/2000 |           |           | Hazardous Material         |
| 3-0019627 | CHELMSFORD | RTE 495 SOUTH EXIT TO RT 3 N   | NO LOCATION AID                 | TWO HR             | 6/14/2000         | RAO               | 8/14/2000  |           | A1        | Oil                        |
| 3-0019820 | CHELMSFORD | 5 DRUM HILL RD                 | NO LOCATION AID                 | 120 DY             | 8/1/2000          | RAO               | 7/30/2003  | PHASE III | B1        | Oil and Hazardous Material |
| 3-0020002 | CHELMSFORD | 279 BILLERICA RD               | 3M ELECTRICAL PRODUCTS DIVISION | 120 DY             | 10/26/2000        | RAO               | 3/12/2007  |           | A2        | Hazardous Material         |
| 3-0020073 | CHELMSFORD | ACTON RD RTE 27                | IN FRONT OF 371 ACTON RD        | 120 DY             | 10/25/2000        | URAM              | 7/24/2001  |           |           | Oil and Hazardous Material |
| 3-0020242 | CHELMSFORD | 20 BOSTON RD                   | PARAMOUNT CLEANERS              | 72 HR              | 12/29/2000        | RAO               | 5/18/2009  |           | C1        | Hazardous Material         |
| 3-0020264 | CHELMSFORD | 7 ACTON RD                     | NO LOCATION AID                 | 72 HR              | 1/5/2001          | RAO               | 10/29/2008 |           |           | Oil and Hazardous Material |
| 3-0020265 | CHELMSFORD | 30 CENTRAL SQ                  | NO LOCATION AID                 | 72 HR              | 1/5/2001          | RTN CLOSED        | 1/11/2002  |           |           | Oil and Hazardous Material |
| 3-0020316 | CHELMSFORD | 28 CENTRAL SQ                  | NO LOCATION AID                 | 72 HR              | 1/26/2001         | RTN CLOSED        | 1/23/2002  |           |           | Hazardous Material         |
| 3-0020366 | CHELMSFORD | RTE 495 NORTHBOUND             | LOWELL REST AREA                | TWO HR             | 2/3/2001          | RAO               | 4/4/2001   |           | A1        | Oil                        |
| 3-0020526 | CHELMSFORD | 16 PROGRESS AVE                | NO LOCATION AID                 | TWO HR             | 3/26/2001         | RAO               | 5/25/2001  |           | A1        |                            |
| 3-0020612 | CHELMSFORD | 71 DRUM HILL RD                | PLYMOUTH ST                     | 72 HR              | 4/20/2001         | RAO               | 6/19/2001  |           | A2        | Oil                        |
| 3-0020939 | CHELMSFORD | 222 RIVERNECK RD               | NO LOCATION AID                 | TWO HR             | 7/25/2001         | RAO               | 9/25/2001  |           | A1        | Hazardous Material         |
| 3-0020955 | CHELMSFORD | BRICK KILN RD                  | UPS RD                          | TWO HR             | 8/1/2001          | RAO               | 11/16/2001 |           | A1        | Oil                        |
| 3-0020974 | CHELMSFORD | 540 GROTON RD                  | NO LOCATION AID                 | TWO HR             | 8/7/2001          | RAO               | 12/4/2001  |           | A1        | Oil                        |
| 3-0020986 | CHELMSFORD | LITTLETON RD                   | NO LOCATION AID                 | TWO HR             | 8/9/2001          | RAO               | 11/29/2002 |           | A1        | Oil                        |
| 3-0020999 | CHELMSFORD | RTE 495 NORTHBOUND             | MILE MARKER 87.7                | TWO HR             | 8/13/2001         | RAO               | 1/28/2002  |           | A1        | Oil                        |
| 3-0021130 | CHELMSFORD | 49-50 HALL RD                  | ROADWAY                         | TWO HR             | 10/4/2001         | RAO               | 12/3/2001  |           | A2        |                            |
| 3-0021132 | CHELMSFORD | JORDAN ST                      | UTILITY POLE 8                  | TWO HR             | 5/29/2001         | RAO               | 9/24/2001  |           | A2        |                            |
| 3-0021157 | CHELMSFORD | FIELDSTONE DR                  | PROCTOR RD                      | TWO HR             | 10/15/2001        | RAO               | 12/4/2001  |           | A2        |                            |
| 3-0021411 | CHELMSFORD | RTE 3 SOUTHBOUND AT RTE 495    | NO LOCATION AID                 | TWO HR             | 1/25/2002         | RAO               | 5/16/2002  |           | A1        |                            |
| 3-0021644 | CHELMSFORD | 275 BILLERICA RD AND LOWELL CR | LOWELL CONNECTOR RAMP           | 120 DY             | 4/4/2002          | DPS               | 4/4/2002   |           |           | Hazardous Material         |
| 3-0021663 | CHELMSFORD | 95 CHELMSFORD ST               | CHELMSFORD ST AND ALPINC LANE   | 120 DY             | 4/10/2002         | RTN CLOSED        | 4/8/2003   |           |           | Hazardous Material         |
| 3-0021903 | CHELMSFORD | 42 BRICK KILN RD               | NO LOCATION AID                 | TWO HR             | 6/28/2002         | RAO               | 8/22/2002  |           | A2        | Oil                        |
| 3-0022108 | CHELMSFORD | 7 NORTH RD                     | CHELMSFORD FIRE STATION         | TWO HR             | 9/15/2002         | RAO               | 10/21/2002 |           | A1        | Oil                        |
| 3-0022131 | CHELMSFORD | 95 CHELMSFORD ST               | CHELMSFORD ST & ALPINE LANE     | 120 DY             | 9/20/2002         | RTN CLOSED        | 4/8/2003   |           |           | Hazardous Material         |
| 3-0022222 | CHELMSFORD | 27 KATRINA RD                  | NO LOCATION AID                 | TWO HR             | 10/17/2002        | TIER1D            | 10/24/2003 |           |           | Hazardous Material         |

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|-----------|------------|--------------------------------|--|--------------------|-------------------|-------------------|------------|---------|-----------|----------------------------|
| 3-0022306 | CHELMSFORD | RTE 495 S                      | NO LOCATION AID                          | TWO HR             | 11/13/2002        | RAO               | 1/17/2003  |         | A1        | Oil                        |
| 3-0022533 | CHELMSFORD | RTE 495 N                      | UTM 19T 307969ME 4719707MN EXIT 110      | TWO HR             | 1/31/2003         | RAO               | 3/31/2003  |         | A1        | Oil                        |
| 3-0022572 | CHELMSFORD | 71 DRUMHILL RD                 | PUMPS 7 & 8                              | TWO HR             | 2/15/2003         | RAO               | 4/7/2003   |         | A1        | Oil                        |
| 3-0022616 | CHELMSFORD | RT 495 S                       | NO LOCATION AID                          | TWO HR             | 2/22/2003         | RAO               | 4/23/2003  |         | A1        | Oil                        |
| 3-0022740 | CHELMSFORD | 20 BOSTON RD                   | NO LOCATION AID                          | TWO HR             | 4/2/2003          | RTN CLOSED        | 4/1/2004   |         |           | Hazardous Material         |
| 3-0023000 | CHELMSFORD | RTE 495 S                      | NO LOCATION AID                          | TWO HR             | 7/10/2003         | RAO               | 9/15/2003  |         | A2        | Oil and Hazardous Material |
| 3-0023215 | CHELMSFORD | RTE 495 S                      | SOUTH OF HUNT RD OVERPASS                | TWO HR             | 9/29/2003         | RAO               | 11/25/2003 |         | A2        | Oil                        |
| 3-0023270 | CHELMSFORD | 189 CHELMSFORD ST              | SHELL GASOLINE STATION                   | 120 DY             | 10/7/2003         | REMOPS            | 11/20/2009 | PHASE V |           | Oil and Hazardous Material |
| 3-0023444 | CHELMSFORD | RTE 495 NORTHBOUND             | 1/2 MILE NORTH OF EXIT 34                | TWO HR             | 12/15/2003        | RAO               | 2/10/2004  |         | A1        |                            |
| 3-0023455 | CHELMSFORD | 1 WARD WAY                     | FIRST STUDENT                            | TWO HR             | 12/18/2003        | RAO               | 4/20/2004  |         | A2        | Oil                        |
| 3-0023457 | CHELMSFORD | 81 TYNGSBORO RD                | FORMER GULF STATION                      | 120 DY             | 12/18/2003        | TIER 2            | 2/20/2009  |         |           | Hazardous Material         |
| 3-0023803 | CHELMSFORD | RTE 495 SOUTH @ EXIT 35C       | SOUTH OF ROUTE 3                         | TWO HR             | 4/26/2004         | RAO               | 8/24/2004  |         | A1        | Oil                        |
| 3-0023824 | CHELMSFORD | 7 NORTH RD                     | CENTRAL FIRE STATION                     | 72 HR              | 5/3/2004          | RAO               | 5/9/2005   |         | A2        | Oil                        |
| 3-0023878 | CHELMSFORD | @ 254 BILLERICA RD             | UTILITY POLE NO. 68                      | TWO HR             | 5/19/2004         | RAO               | 7/19/2004  |         | A2        | Oil                        |
| 3-0023918 | CHELMSFORD | I-495 NORTH ON RAMP TO RTE 3 N | ROADSIDE SPILL                           | TWO HR             | 5/28/2004         | RAO               | 9/14/2004  |         | A2        |                            |
| 3-0023927 | CHELMSFORD | RTE 3 N                        | NO LOCATION AID                          | TWO HR             | 6/3/2004          | RAO               | 10/1/2004  |         | A1        |                            |
| 3-0024165 | CHELMSFORD | 63 CHELMSFORD ST               | RT 110 BETWEEN VS RTE 495 AND FLETCHER S | TWO HR             | 8/20/2004         | RAO               | 5/10/2005  |         | A1        |                            |
| 3-0024284 | CHELMSFORD | RTE 3 SOUTHBOUND               | BEFORE EXT 29 (RTE 129)                  | TWO HR             | 9/29/2004         | RAO               | 11/24/2004 |         | A1        | Oil                        |
| 3-0024342 | CHELMSFORD | I-495 S                        | REST AREA NEAR EXIT 33                   | TWO HR             | 10/19/2004        | RAO               | 12/20/2004 |         | A2        | Oil                        |
| 3-0024393 | CHELMSFORD | OAK ST                         | UTILITY POLE #9                          | TWO HR             | 11/6/2004         | RAO               | 12/22/2004 |         | A1        | Oil                        |
| 3-0024443 | CHELMSFORD | 100 CHELMSFORD ST              | AMPET GASOLINE STATION                   | 120 DY             | 11/26/2004        | RTN CLOSED        | 11/23/2005 |         |           | Oil and Hazardous Material |
| 3-0024487 | CHELMSFORD | RTE 3 NORTHBOUND               | BREAKDOWN LANE                           | TWO HR             | 12/12/2004        | RAO               | 1/25/2005  |         | A1        | Oil                        |
| 3-0024540 | CHELMSFORD | RTE 3 N SOUTH OF EXIT 32       | NO LOCATION AID                          | TWO HR             | 1/6/2005          | RAO               | 3/8/2005   |         | A1        | Oil                        |
| 3-0024563 | CHELMSFORD | MILL RD                        | UTILITY POLE NO 63                       | TWO HR             | 1/14/2005         | RAO               | 3/11/2005  |         | A2        |                            |
| 3-0024688 | CHELMSFORD | GELDING RD                     | UTILITY POLE NO 5                        | TWO HR             | 3/9/2005          | RAO               | 4/22/2005  |         | A1        | Oil                        |
| 3-0025012 | CHELMSFORD | REISS AVE                      | MEADOWBROOK SUBSTATION                   | TWO HR             | 7/6/2005          | RAO               | 9/7/2005   |         | A2        |                            |
| 3-0025046 | CHELMSFORD | 100 DRUM HILL RD               | SUNOCO SERVICE STATION                   | TWO HR             | 7/19/2005         | RAO               | 11/16/2005 |         | A1        | Oil                        |
| 3-0025108 | CHELMSFORD | 20 ALPHA RD                    | PAD-MOUNTED TRANSFORMER                  | 120 DY             | 8/5/2005          | RAO               | 8/5/2005   |         | A2        | Oil                        |
| 3-0025194 | CHELMSFORD | 7 ACTON RD                     | NO LOCATION AID                          | 120 DY             | 9/14/2005         | RAO               | 10/29/2008 |         |           | Oil                        |
| 3-0025376 | CHELMSFORD | FLETCHER ST                    | BEHIND ONE VILLAGE SQUARE                | 120 DY             | 11/9/2005         | TIER 2            | 11/9/2006  | PHASE V |           | Oil                        |
| 3-0025489 | CHELMSFORD | 8 EMERSON AVE                  | COLONIAL OIL                             | TWO HR             | 12/15/2005        | RAO               | 2/14/2006  |         | A1        | Oil                        |
| 3-0025508 | CHELMSFORD | GRANDVIEW RD                   | POLE NO. 4                               | TWO HR             | 12/15/2005        | RAO               | 2/8/2006   |         | A1        | Oil                        |
| 3-0025669 | CHELMSFORD | 95 CHELMSFORD RD               | GASOLINE STATION                         | 72 HR              | 2/17/2006         | RTN CLOSED        | 2/6/2007   |         |           | Hazardous Material         |
| 3-0025806 | CHELMSFORD | 71 DRUM HILL RD                | CUMBERLAND FARMS INC                     | TWO HR             | 4/12/2006         | RAO               | 5/18/2006  |         | A1        | Oil                        |
| 3-0025836 | CHELMSFORD | 16 OAK ST                      | AGGREGATE INDUSTRIES                     | TWO HR             | 4/21/2006         | RAO               | 6/20/2006  |         | A1        |                            |
| 3-0025847 | CHELMSFORD | 16 OAK ST                      | AGGREGATE INDUSTRIES                     | TWO HR             | 4/26/2006         | RAO               | 6/20/2006  |         | A1        | Oil                        |
| 3-0025858 | CHELMSFORD | RTE 495N                       | BETWEEN RTES 4 & 110                     | TWO HR             | 5/4/2006          | RAO               | 7/10/2006  |         | A2        | Oil                        |
| 3-0025883 | CHELMSFORD | 81 TYNGSBOROUGH RD             | MOBIL STATION                            | TWO HR             | 5/15/2006         | TIER 2            | 2/20/2009  |         |           | Oil                        |
| 3-0025972 | CHELMSFORD | 16 OAK ST                      | NO LOCATION AID                          | TWO HR             | 6/9/2006          | RAO               | 8/8/2006   |         | A1        | Oil and Hazardous Material |
| 3-0026062 | CHELMSFORD | RTE 495S @ MM 86               | NO LOCATION AID                          | TWO HR             | 7/18/2006         | RAO               | 8/29/2006  |         | A1        | Oil                        |

| RTN       | City/Town  | Release Address             | Site Name/ Location Aid                  | Reporting Category | Notification Date | Compliance Status | Date       | Phase    | RAO Class | Chemical Type              |
|-----------|------------|-----------------------------|--|--------------------|-------------------|-------------------|------------|----------|-----------|----------------------------|
| 3-0026096 | CHELMSFORD | 16 OAK ST                   | AGGREGATE INDUSTRIES                     | TWO HR             | 7/26/2006         | RAO               | 9/27/2006  |          | A1        | Oil                        |
| 3-0026437 | CHELMSFORD | RTE 495 NORTH @ RTE 3 EXIT  | INTERCHANGE                              | TWO HR             | 12/1/2006         | RAO               | 2/6/2007   |          | A2        | Oil                        |
| 3-0026438 | CHELMSFORD | 40 PARKHURST RD             | NO LOCATION AID                          | TWO HR             | 12/1/2006         | RAO               | 1/30/2007  |          | A2        | Oil                        |
| 3-0026536 | CHELMSFORD | 7 ACTON RD                  | GULF SERVICE STATION                     | TWO HR             | 1/18/2007         | RAO               | 3/6/2007   |          | A1        | Oil                        |
| 3-0026552 | CHELMSFORD | 250 APOLLO DR               | PARKING LOT                              | TWO HR             | 1/30/2007         | RAO               | 3/29/2007  |          | A1        |                            |
| 3-0026715 | CHELMSFORD | RTE 495 SOUTH EXIT 34       | AT GOLDEN COVE ROAD                      | TWO HR             | 3/30/2007         | RAO               | 7/27/2007  |          | A2        | Oil                        |
| 3-0026737 | CHELMSFORD | ADJACENT TO 756 WELLMAN AVE | PAD MOUNTED ELECTRICAL TRNSFM R PAD #7B  | 120 DY             | 3/28/2007         | RAO               | 4/6/2007   |          | A2        | Oil                        |
| 3-0026862 | CHELMSFORD | WELLMAN AVE                 | MERRIMACK RIVER                          | TWO HR             | 5/29/2007         | RAO               | 8/31/2007  |          | A1        | Hazardous Material         |
| 3-0026923 | CHELMSFORD | 88 TURNPIKE RD              | NO LOCATION AID                          | TWO HR             | 7/3/2007          | RAO               | 8/24/2007  |          | A1        | Oil                        |
| 3-0027017 | CHELMSFORD | 6 STUART RD                 | WNA COMET EAST INC                       | 120 DY             | 8/3/2007          | TIER 2            | 8/5/2008   | PHASE II |           |                            |
| 3-0027066 | CHELMSFORD | 30 CENTRAL SQ               | TOWN CENTER                              | TWO HR             | 8/20/2007         | RTN CLOSED        | 10/19/2007 |          |           | Oil                        |
| 3-0027095 | CHELMSFORD | 81 TYNGSBOROUGH RD          | NO LOCATION AID                          | 72 HR              | 9/10/2007         | TIER 2            | 2/20/2009  |          |           | Oil                        |
| 3-0027190 | CHELMSFORD | 371 ACTON RD                | NO LOCATION AID                          | 120 DY             | 10/24/2007        | TIER1D            | 10/31/2008 |          |           | Oil and Hazardous Material |
| 3-0027226 | CHELMSFORD | 16 OAK ST                   | NO LOCATION AID                          | TWO HR             | 11/1/2007         | RAO               | 1/3/2008   |          | A1        | Oil                        |
| 3-0027293 | CHELMSFORD | RTE 495 N                   | OFFRAMP TO RTE 3 S                       | TWO HR             | 11/29/2007        | RAO               | 1/7/2008   |          | A1        | Oil                        |
| 3-0027297 | CHELMSFORD | 84 TURNPIKE RD              | TP REALTY CO                             | 120 DY             | 11/29/2007        | RAO               | 10/14/2008 |          | B1        | Hazardous Material         |
| 3-0027446 | CHELMSFORD | 6 STUART RD                 | NO LOCATION AID                          | 72 HR              | 1/17/2008         | RTN CLOSED        | 8/5/2008   |          |           |                            |
| 3-0027537 | CHELMSFORD | 6 STUART RD                 | NON PCB PAD MOUNTED ELECTRICAL TRANSFORM | 120 DY             | 2/29/2008         | TIER 2            | 2/27/2009  | PHASE II |           | Oil                        |
| 3-0027688 | CHELMSFORD | 54 RICHARDSON RD            | TOWN DPW YARD                            | TWO HR             | 5/12/2008         | RAO               | 7/24/2008  |          | A1        | Oil                        |
| 3-0027712 | CHELMSFORD | 21 ALPHA RD                 | NON-PCB PAD-MOUNTED ELECTRICAL TRANS     | 120 DY             | 5/23/2008         | TIER 1C           | 5/22/2009  | PHASE II |           | Oil                        |
| 3-0027720 | CHELMSFORD | 16 OAK ST                   | AGGREGATE INDUSTRIES                     | TWO HR             | 5/27/2008         | RAO               | 7/22/2008  |          | A1        | Oil                        |
| 3-0027786 | CHELMSFORD | 21 ALPHA RD                 | NONPCB PAD MTD ELECTRICAL TRANSFMR       | 72 HR              | 6/20/2008         | RTN CLOSED        | 5/22/2009  |          |           | Oil                        |
| 3-0027913 | CHELMSFORD | 81 TYNGSBOROUGH RD          | GASOLINE STATION                         | 72 HR              | 8/18/2008         | RTN CLOSED        | 2/20/2009  |          |           | Oil                        |
| 3-0027953 | CHELMSFORD | 14-16 FLETCHER ST           | NO LOCATION AID                          | 72 HR              | 9/5/2008          | RTN CLOSED        | 7/2/2009   |          |           | Oil                        |
| 3-0028264 | CHELMSFORD | RTE 495 SOUTHBOUND          | ROUTE 495 SOUTHBOUND @ LOWELL CONNECTOR  | TWO HR             | 1/7/2009          | RAO               | 3/11/2009  |          | A1        |                            |
| 3-0028541 | CHELMSFORD | MIDDLESEX ST                | RAILROAD TRACKS                          | TWO HR             | 6/8/2009          | RAO               | 8/7/2009   |          | A2        | Oil                        |
| 3-0028543 | CHELMSFORD | 16 OAK ST                   | AGGREGATE INDUSTRIES                     | TWO HR             | 6/9/2009          | RAO               | 7/24/2009  |          | A1        | Oil                        |
| 3-0028577 | CHELMSFORD | RTE 3 NORTHBOUND            | ROUTE 3 NORTHBOUND - NORTH OF EXIT 32    | TWO HR             | 6/24/2009         | RAO               | 8/31/2009  |          | A1        | Oil                        |
| 3-0028868 | CHELMSFORD | 16 OAK ST                   | AGGREGATE INDUSTRIES                     | TWO HR             | 11/7/2009         | RAO               | 1/6/2010   |          | A1        |                            |
| 3-0028910 | CHELMSFORD | RTE 3 NORTHBOUND            | ROUTE 3 NORTHBOUND (PRIOR TO EXIT #32)   | TWO HR             | 11/22/2009        | RAO               | 1/19/2010  |          | A2        | Oil                        |
| 3-0029204 | CHELMSFORD | RTE 3 S                     | ROUTE 3 SOUTH NORTH OF EXIT 32/ROUTE 4   | TWO HR             | 4/14/2010         | UNCLASSIFIED      | 4/14/2010  |          |           | Oil                        |
| 3-0029228 | CHELMSFORD | 3 WATERFORD PL              | NO LOCATION AID                          | TWO HR             | 4/26/2010         | UNCLASSIFIED      | 4/26/2010  |          |           | Oil                        |
| 3-0029230 | CHELMSFORD | 15 WATERFORD PL             | NO LOCATION AID                          | TWO HR             | 4/26/2010         | UNCLASSIFIED      | 4/26/2010  |          |           | Oil                        |

# APPENDIX G

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## Historically Significant Structures, Places or Buildings

| Inventory No. | Property Name                                    | Street           | Town       | Year |
|---------------|--|------------------|------------|------|
| CLM.A         | Chelmsford Center Historic District              |                  | Chelmsford |      |
| CLM.B         | Chelmsford Center Historic District              |                  | Chelmsford |      |
| CLM.C         | Middlesex Canal Historic and Archaeological      |                  | Chelmsford |      |
| CLM.D         | Middlesex Canal                                  |                  | Chelmsford |      |
| CLM.902       | Clarke School for the Deaf Marker                | Academy St       | Chelmsford | 1952 |
| CLM.921       | Chelmsford Revolutionary Monument                | Academy St       | Chelmsford | 1859 |
| CLM.37        | Fletcher, William Benjamin House                 | 1 Academy St     | Chelmsford | 1804 |
| CLM.240       | Chelmsford Central Baptist Church Parsonage      | 7 Academy St     | Chelmsford | 1955 |
| CLM.239       | Chelmsford Central Baptist Church                | 11 Academy St    | Chelmsford | 1868 |
| CLM.280       | Elliott, Jasper House                            | 23-25 Acton Rd   | Chelmsford | 1890 |
| CLM.266       | Farwell, John House                              | 35 Acton Rd      | Chelmsford | 1866 |
| CLM.281       | Jefts, William H. House                          | 43 Acton Rd      | Chelmsford | 1890 |
| CLM.62        | Parkhurst, G. Thomas House                       | 51 Acton Rd      | Chelmsford | 1893 |
| CLM.309       | Young, Louis A. House                            | 77 Acton Rd      | Chelmsford | 1888 |
| CLM.142       | Young, Louis A. - Smith, George House            | 85 Acton Rd      | Chelmsford | 1887 |
| CLM.283       | Wright, Calvin - Chamberlain, Benjamin House     | 200 Acton Rd     | Chelmsford | 1843 |
| CLM.298       | Richardson, Elijah Jr. House                     | 246 Acton Rd     | Chelmsford | 1853 |
| CLM.67        | Byam, Lyman - Proctor, Peter House               | 305 Acton Rd     | Chelmsford | 1824 |
| CLM.275       | South Chelmsford Village Improvement Association | 318 Acton Rd     | Chelmsford | 1878 |
| CLM.284       | Byam, Ezekiel General Store and Post Office      | 321-323 Acton Rd | Chelmsford | 1828 |
| CLM.223       | Byam, Stillman House                             | 326 Acton Rd     | Chelmsford | 1843 |
| CLM.222       | Dudley, Dea. Benjamin House                      | 330 Acton Rd     | Chelmsford | 1840 |
| CLM.201       | Larcom, Jonathan House                           | 15 Adams Ave     | Chelmsford | 1850 |
| CLM.282       | Scoboria, Dr. Arthur G. House                    | Ann's Way        | Chelmsford | 1904 |
| CLM.292       | Dutton, Paul House                               | 10 Bartlett St   | Chelmsford | 1896 |
| CLM.18        | Bartlett, Dr. John Call House                    | 15 Bartlett St   | Chelmsford | 1792 |
| CLM.149       | Bartlett, Charles E. House                       | 22 Bartlett St   | Chelmsford | 1890 |
| CLM.908       | Chelmsford Lime Quarries and Kilns               | Beaver Brook     | Chelmsford | 1740 |
| CLM.25        | Fiske House                                      | 1 Billerica Rd   | Chelmsford | 1798 |

| Inventory No. | Property Name                                  | Street             | Town       | Year |
|---------------|--|--------------------|------------|------|
| CLM.24        | All Saints' Episcopal Church Rectory           | 6 Billerica Rd     | Chelmsford | 1765 |
| CLM.248       | Fiske, Eustace B. House                        | 9 Billerica Rd     | Chelmsford | 1929 |
| CLM.247       | Chelmsford All Saints' Episcopal Church        | 10 Billerica Rd    | Chelmsford | 1880 |
| CLM.303       | Ingham, William A. House                       | 15-17 Billerica Rd | Chelmsford | 1902 |
| CLM.202       | Fiske, Benjamin M. House                       | 19 Billerica Rd    | Chelmsford | 1900 |
| CLM.56        | Holt, Emma Etta - MacElroy, Archibald G. House | 27 Billerica Rd    | Chelmsford | 1911 |
| CLM.23        | Bridge, Ebenezer Jr. - Bailey, Joseph House    | 32 Billerica Rd    | Chelmsford | 1810 |
| CLM.301       | Parkhurst, Elizabeth R. House                  | 37 Billerica Rd    | Chelmsford | 1889 |
| CLM.153       | Sweet, Almon J. House                          | 40 Billerica Rd    | Chelmsford | 1883 |
| CLM.114       | Fowle, William R. House                        | 41 Billerica Rd    | Chelmsford | 1893 |
| CLM.259       | Emerson, Warren House                          | 44 Billerica Rd    | Chelmsford | 1875 |
| CLM.260       | Parker, Jesse H. House                         | 49 Billerica Rd    | Chelmsford | 1875 |
| CLM.261       | Brown, Isaac Woodward - Bean House             | 55 Billerica Rd    | Chelmsford | 1888 |
| CLM.262       | Ricker, Fannie D. - Grant, Philena House       | 59 Billerica Rd    | Chelmsford | 1886 |
| CLM.22        | Spaulding, J. S. House                         | 109 Billerica Rd   | Chelmsford | 1750 |
| CLM.21        | Manning, Jonathan Tavern and House             | 110 Billerica Rd   | Chelmsford | 1816 |
| CLM.224       | Adams Library                                  | 25 Boston Rd       | Chelmsford | 1894 |
| CLM.219       | Parkhurst, Henry House                         | 41 Boston Rd       | Chelmsford | 1830 |
| CLM.17        | Parkhurst, H. House                            | 47 Boston Rd       | Chelmsford | 1769 |
| CLM.221       | Manning, Lucinda House                         | 55 Boston Rd       | Chelmsford | 1860 |
| CLM.16        | Lamphere, A. J. House                          | 59 Boston Rd       | Chelmsford | 1830 |
| CLM.14        | Blanchard, John - Warren, Joseph House         | 97-101 Boston Rd   | Chelmsford | 1680 |
| CLM.12        | Parker, Jonathan House                         | 134 Boston Rd      | Chelmsford | 1756 |
| CLM.940       | LeFebre, Lance Corporal Rudolph Jr. Monument   | 177 Boston Rd      | Chelmsford | 1967 |
| CLM.320       |  | 14 Brick Kiln Rd   | Chelmsford | 1988 |
| CLM.904       | Chelmsford Town Pound Marker                   | Bridge St          | Chelmsford | 1926 |
| CLM.229       | Haley, Daniel and Patrick H. House             | 2 Bridge St        | Chelmsford | 1880 |
| CLM.230       | Haley, Daniel E. House                         | 4 Bridge St        | Chelmsford | 1915 |
| CLM.254       | Robbins, Martin House                          | 7 Bridge St        | Chelmsford | 1895 |

| Inventory No. | Property Name                                   | Street             | Town       | Year |
|---------------|---|--------------------|------------|------|
| CLM.270       | Caverly, John H. House                          | 11 Bridge St       | Chelmsford | 1892 |
| CLM.72        | Barrett, Thomas - Byam House                    | 40 Byam Rd         | Chelmsford | 1740 |
| CLM.319       |   | 50 Canal St        | Chelmsford | 1900 |
| CLM.941       | East Chelmsford World War II Veteran's Monument | Carlisle St        | Chelmsford | 1943 |
| CLM.74        | Marshall, Thomas House                          | 61 Carlisle St     | Chelmsford | 1753 |
| CLM.299       | Norton, Michael H. House                        | 84 Carlisle St     | Chelmsford | 1894 |
| CLM.906       | Chelmsford Concord Battle Monument              | Central Sq         | Chelmsford | 1899 |
| CLM.250       | Wilson, George H. Sr. Stable                    | 1 Central Sq       | Chelmsford | 1884 |
| CLM.204       | Wilson Block - Central House                    | 3-8 Central Sq     | Chelmsford | 1884 |
| CLM.20        | Chelmsford Mill Company Office                  | 24 Central Sq      | Chelmsford | 1846 |
| CLM.249       | Chelmsford Odd Fellows' Building                | 41-44 Central Sq   | Chelmsford | 1896 |
| CLM.243       | Kidder, Rothesay P. Commercial Block            | 59-61 Central Sq   | Chelmsford | 1922 |
| CLM.58        | Adams, Isaac Sr. and Charles House              | 24 Chamberlain Rd  | Chelmsford | 1800 |
| CLM.945       | Perham Park Armed Services Monument             | Chelmsford St      | Chelmsford | 1925 |
| CLM.205       | Parkhurst, Edwin King Grocery Store             | 2 Chelmsford St    | Chelmsford | 1862 |
| CLM.218       | Hill, Asa Jr. - Osborn House                    | 8 Chelmsford St    | Chelmsford | 1858 |
| CLM.246       | Ripley, Julia S. House                          | 9-11 Chelmsford St | Chelmsford | 1894 |
| CLM.244       | Sweetser, Ervin W. Restaurant and Store         | 10 Chelmsford St   | Chelmsford | 1923 |
| CLM.206       | Kittredge, Dr. Paul - Sweetser House            | 20 Chelmsford St   | Chelmsford | 1831 |
| CLM.207       | Kittredge, Dr. Francis M. - Howard House        | 21 Chelmsford St   | Chelmsford | 1833 |
| CLM.245       | Wilson, Edith F. House                          | 24 Chelmsford St   | Chelmsford | 1894 |
| CLM.285       | Kydd's Diner and Ice Cream Stand                | 116 Chelmsford St  | Chelmsford | 1936 |
| CLM.152       | Scoble, William - Dowd, Francis House           | 191 Chelmsford St  | Chelmsford | 1890 |
| CLM.312       | McNelly, Mary - Bowers, Sewall House            | 15 Church St       | Chelmsford | 1872 |
| CLM.910       | NY, NH & H RR Bridge - Framingham Branch #5.66  | Conrail            | Chelmsford | 1920 |
| CLM.911       | NY, NH & H RR Bridge - Framingham Branch #5.20  | Conrail            | Chelmsford | 1930 |
| CLM.912       | NY, NH & H RR Bridge - Framingham Branch #4.09  | Conrail            | Chelmsford | 1927 |
| CLM.913       | NY, NH & H RR Bridge - Framingham Branch #6.59  | Conrail            | Chelmsford | 1920 |
| CLM.109       | Stetson, Zenas House                            | 1 Cottage Row      | Chelmsford | 1836 |

| Inventory No. | Property Name                                    | Street               | Town       | Year |
|---------------|--|----------------------|------------|------|
| CLM.137       | Drake, Lincoln - Pratt, Oliver R. House          | 7 Cottage Row        | Chelmsford | 1835 |
| CLM.110       | Drake, Capt. Lincoln - Woodward, Horace W. House | 10 Cottage Row       | Chelmsford | 1840 |
| CLM.132       | Gay and Silver Machine Shop Worker Housing       | 15 Cottage Row       | Chelmsford | 1844 |
| CLM.903       | Chelmsford First Town Meeting Marker             | Crosby Ln            | Chelmsford | 1925 |
| CLM.40        | Fletcher, Capt. Josiah House                     | 14 Crosby Ln         | Chelmsford | 1802 |
| CLM.273       | Corey, George House                              | 4 Dalton Rd          | Chelmsford | 1858 |
| CLM.42        | Perham, Proctor House                            | 30 Dalton Rd         | Chelmsford | 1720 |
| CLM.99        | Spalding, John House                             | 21 Davis Rd          | Chelmsford | 1820 |
| CLM.4         | Adams, Thomas J. Reed Factory                    | 15-21 Dunstable Rd   | Chelmsford | 1835 |
| CLM.80        | Blodgett House                                   | 100 Dunstable Rd     | Chelmsford | 1860 |
| CLM.118       | Richardson, Jonathan House                       | 133-135 Dunstable Rd | Chelmsford | 1725 |
| CLM.308       | Trubey, Arthur William House                     | 204 Dunstable Rd     | Chelmsford | 1890 |
| CLM.121       | Cummings, Oliver House                           | 2 Edwards Ave        | Chelmsford | 1844 |
| CLM.123       | Pike, James Jr. - Edwards, Dr. Nathan B. House   | 6 Edwards Ave        | Chelmsford | 1845 |
| CLM.82        | Sheldon, Arthur H. - Swett, Charles House        | 14 Edwards Ave       | Chelmsford | 1845 |
| CLM.279       | Peckens, Rev. John House                         | 19 Elm St            | Chelmsford | 1782 |
| CLM.108       | Hutchins, Oliver House                           | 79 Elm St            | Chelmsford | 1820 |
| CLM.212       | Knowlton, John K. House                          | 14 Evergreen St      | Chelmsford | 1898 |
| CLM.208       | Proctor, Charles and Jonas R. House              | 22 Fletcher St       | Chelmsford | 1840 |
| CLM.801       | Heart Pond Cemetery                              | Garrison Rd          | Chelmsford | 1776 |
| CLM.11        | Parker, Jonathan House                           | 105 Garrison Rd      | Chelmsford | 1775 |
| CLM.100       | Old Chelmsford Garrison House Complex            | 105 Garrison Rd      | Chelmsford | 1702 |
| CLM.135       | Gay and Silver Machine Shop Worker Housing       | 43 Gay St            | Chelmsford | 1840 |
| CLM.136       | Rogers, Edmund - Ridings, Peter House            | 44 Gay St            | Chelmsford | 1847 |
| CLM.127       | Gay, Silver and Company Workers House            | 47 Gay St            | Chelmsford | 1835 |
| CLM.129       | Kennon, Willard M. - Grow, D. Alonzo House       | 48 Gay St            | Chelmsford | 1855 |
| CLM.128       | Pierce, Joseph B. - Ripley, Royal S. House       | 55 Gay St            | Chelmsford | 1850 |
| CLM.274       | Mitchell, William A. House                       | 31 Golden Cove Rd    | Chelmsford | 1888 |
| CLM.91        | Middlesex Turnpike Toll House                    | 47 Golden Cove Rd    | Chelmsford | 1810 |

| Inventory No. | Property Name                                  | Street             | Town       | Year |
|---------------|--|--------------------|------------|------|
| CLM.943       | Blazonis, Peter V. Monument                    | Gorham St          | Chelmsford | 1991 |
| CLM.919       | Fletcher Granite Company                       | Groton Rd          | Chelmsford | 1880 |
| CLM.949       | Harvey Family Monument                         | 2 Harvey Rd        | Chelmsford | 1989 |
| CLM.93        | Parkhurst, Sewall House                        | 35 High St         | Chelmsford | 1820 |
| CLM.150       | Rix, Dr. Frank R. House                        | 55 High St         | Chelmsford | 1893 |
| CLM.307       | Marshall, Thomas W. House                      | 58-60 High St      | Chelmsford | 1876 |
| CLM.306       | Brennan, Peter J. House                        | 61 High St         | Chelmsford | 1891 |
| CLM.141       | Elliot, Jasper - Smith, William H. House       | 66 High St         | Chelmsford | 1876 |
| CLM.151       | Hanson, Enos H. House                          | 72 High St         | Chelmsford | 1882 |
| CLM.3         | Parkhurst, S. Waldo House                      | 78 High St         | Chelmsford | 1876 |
| CLM.315       | Luce, Jedd C. House                            | 79 High St         | Chelmsford | 1916 |
| CLM.302       | Elliott, Ephraim House                         | 84 High St         | Chelmsford | 1881 |
| CLM.258       | Woodworth, Artemas B. House                    | 85 High St         | Chelmsford | 1883 |
| CLM.316       | Lane, Daniel W. - Gage, Roger W. House         | 94 High St         | Chelmsford | 1878 |
| CLM.922       | I-495 Access Road Bridge                       | I-495              | Chelmsford | 1961 |
| CLM.932       | I-495 Bridge over Route 3                      | I-495              | Chelmsford | 1961 |
| CLM.251       | Osborn Service Station                         | 8 Littleton Rd     | Chelmsford | 1950 |
| CLM.209       | Chelmsford Ginger Beer and Ale Company         | 28-34 Littleton Rd | Chelmsford | 1913 |
| CLM.265       | Hutchins, Matthias House                       | 46-48 Littleton Rd | Chelmsford | 1892 |
| CLM.269       | Hutchins, Matthias House                       | 52-54 Littleton Rd | Chelmsford | 1893 |
| CLM.278       | Parkhurst, Charles E. House                    | 53 Littleton Rd    | Chelmsford | 1890 |
| CLM.113       | Ludwig, John - Hall, William H. House          | 57 Littleton Rd    | Chelmsford | 1890 |
| CLM.263       | Parkhurst, Charles E. House                    | 65 Littleton Rd    | Chelmsford | 1888 |
| CLM.933       | Lowell Connector Bridge over Route 3           | Lowell Connector   | Chelmsford | 1960 |
| CLM.946       | Clark, Allan and Herbert World War II Memorial | Main Rd            | Chelmsford | 2000 |
| CLM.961       | Quessy, Cpl. George Ralph Monument             | Main St            | Chelmsford | 1925 |
| CLM.84        | Messenger, Elias House                         | 189 Main St        | Chelmsford | 1828 |
| CLM.86        | Messenger, George S. - Perry, John N. House    | 197 Main St        | Chelmsford | 1827 |
| CLM.87        | Farwell, Dea. John - Roby, Christopher House   | 203 Main St        | Chelmsford | 1823 |

| Inventory No. | Property Name                                     | Street             | Town       | Year |
|---------------|---|--------------------|------------|------|
| CLM.57        | Pollard, Dawson House                             | 231 Main St        | Chelmsford | 1837 |
| CLM.214       | Chelmsford First Baptist Church                   | 2-4 Maple Rd       | Chelmsford | 1836 |
| CLM.69        | Byam, Marcus D. House                             | 11 Maple Rd        | Chelmsford | 1835 |
| CLM.70        | Hildreth - Robbins House                          | 19 Maple Rd        | Chelmsford | 1735 |
| CLM.112       | Sweetser, Lorenzo - Fletcher, Benjamin House      | 45 Maple Rd        | Chelmsford | 1898 |
| CLM.909       | Meadowbrook Road Bridge over unnamed canal        | Meadowbrook Rd     | Chelmsford | 1950 |
| CLM.907       | Middlesex Canal                                   | Middlesex Canal    | Chelmsford | 1802 |
| CLM.294       | U. S. Worsted Company - Silesia Woolen Mills      | Middlesex St       | Chelmsford | 1912 |
| CLM.802       | Riverside Cemetery                                | Middlesex St       | Chelmsford | 1845 |
| CLM.965       | North Chelmsford Vietnam War Memorial             | Middlesex St       | Chelmsford | 2006 |
| CLM.139       | Varney, Dr. House and Office                      | 34 Middlesex St    | Chelmsford | 1901 |
| CLM.83        | Hall House  | 35 Middlesex St    | Chelmsford | 1840 |
| CLM.300       | U. S. Worsted Company - Silesia Woolen Mills      | 51-57 Middlesex St | Chelmsford | 1910 |
| CLM.122       | Britton, Jared B. - Woodward, Horace Watson House | 54 Middlesex St    | Chelmsford | 1844 |
| CLM.226       | Brookside Railroad Station                        | 60-66 Middlesex St | Chelmsford | 1850 |
| CLM.210       | Chelmsford Schoolhouse #4                         | Mill Rd            | Chelmsford | 1870 |
| CLM.211       | Chelmsford Center Railroad Station                | 37 Mill Rd         | Chelmsford | 1871 |
| CLM.6         | Adams, Joseph - Russell, Abbott House             | 101 Mill Rd        | Chelmsford | 1816 |
| CLM.7         | Adams, Dea. Benjamin - Hodge, Benjamin House      | 171 Mill Rd        | Chelmsford | 1775 |
| CLM.81        | Chamberlain, Isaac House                          | 3 Mission Rd       | Chelmsford | 1810 |
| CLM.111       | Spaulding, John F. - McGuinness, William House    | 35 Newfield St     | Chelmsford | 1897 |
| CLM.138       | Ripley, Lewis House                               | 75 Newfield St     | Chelmsford | 1850 |
| CLM.905       | Chelmsford War Memorial                           | North Rd           | Chelmsford | 1955 |
| CLM.951       | Veterans' Memorial Park                           | North Rd           | Chelmsford | 1990 |
| CLM.952       | Veterans' Memorial Park - Desert Storm Monument   | North Rd           | Chelmsford | 1991 |
| CLM.953       | Veterans' Memorial Park - POW/MIA Monument        | North Rd           | Chelmsford | 1992 |
| CLM.954       | Bagni, William L. Memorial Stone and Bridge       | North Rd           | Chelmsford | 1991 |
| CLM.955       | Veterans' Memorial Park - Contributor's Stone     | North Rd           | Chelmsford | 1997 |
| CLM.956       | Veterans' Memorial Park - Soldiers Wall           | North Rd           | Chelmsford | 1992 |

| Inventory No. | Property Name                                    | Street              | Town       | Year |
|---------------|--|---------------------|------------|------|
| CLM.957       | Merrimac Valley Vietnam Veterans Memorial Stone  | North Rd            | Chelmsford | 1997 |
| CLM.958       | Veterans' Memorial Park - Soldier & Boy Stone    | North Rd            | Chelmsford | 1995 |
| CLM.959       | Veterans' Memorial Park - Kinney, Milton Bench   | North Rd            | Chelmsford | 1998 |
| CLM.962       | Operations Enduring - Iraqi Freedom Monument     | North Rd            | Chelmsford | 2005 |
| CLM.36        | Davis, Albert H. - Richardson House              | 1-3 North Rd        | Chelmsford | 1844 |
| CLM.225       | Chelmsford Old Town Hall                         | 1 North Rd          | Chelmsford | 1879 |
| CLM.242       | Davis, Leslie Richardson House                   | 5 North Rd          | Chelmsford | 1904 |
| CLM.241       | Chelmsford Center Fire Station                   | 7 North Rd          | Chelmsford | 1952 |
| CLM.38        | Emerson, J. P. House                             | 11 North Rd         | Chelmsford | 1836 |
| CLM.115       | Hodges, Frank H. House                           | 32-34 North Rd      | Chelmsford | 1877 |
| CLM.39        | Fletcher, William House                          | 33 North Rd         | Chelmsford | 1819 |
| CLM.271       | Holt, Almon W. House                             | 43 North Rd         | Chelmsford | 1883 |
| CLM.41        | Spaulding, Col. Simeon House                     | 75 North Rd         | Chelmsford | 1736 |
| CLM.43        | Butterfield, Capt. John House                    | 96 North Rd         | Chelmsford | 1750 |
| CLM.256       | Whittemore, Floyer J. House                      | 127 North Rd        | Chelmsford | 1890 |
| CLM.49        | Spaulding, Henry 3rd - Staples, William H. House | 212 North Rd        | Chelmsford | 1801 |
| CLM.960       | Chelmsford Police Officers' Monument             | 2 Old North Rd      | Chelmsford | 2003 |
| CLM.33        | Spaulding, Dea. Isaiah House                     | 263 Old Westford Rd | Chelmsford | 1735 |
| CLM.276       | Park, Alexander J. House                         | 69 Park Rd          | Chelmsford | 1898 |
| CLM.50        | Parkhurst, John R. and Andrew House              | 16 Parkhurst Rd     | Chelmsford | 1804 |
| CLM.98        | Shed, John House                                 | 217 Pine Hill Rd    | Chelmsford | 1830 |
| CLM.900       | B & M Railroad Bridge - Stony Brook Branch #12.8 | Princeton St        | Chelmsford | 1955 |
| CLM.918       | North Chelmsford Canal                           | Princeton St        | Chelmsford | 1823 |
| CLM.131       | Wright, Samuel T. - Swett, George House          | 25-27 Princeton St  | Chelmsford | 1873 |
| CLM.124       | North Chelmsford Town Hall                       | 31 Princeton St     | Chelmsford | 1853 |
| CLM.126       | Drake, Lincoln - Kennon, Ephraim House           | 38 Princeton St     | Chelmsford | 1835 |
| CLM.125       | North Chelmsford Congregational Church Parsonage | 45 Princeton St     | Chelmsford | 1870 |
| CLM.293       | Silver and Gay's Machine Shop                    | 70 Princeton St     | Chelmsford | 1850 |
| CLM.296       | Southwell Wool Combing Company                   | 70 Princeton St     | Chelmsford | 1922 |

| Inventory No. | Property Name                          | Street            | Town       | Year |
|---------------|--|-------------------|------------|------|
| CLM.297       | Chelmsford Foundry Company             | 70 Princeton St   | Chelmsford | 1890 |
| CLM.295       | Moore, George C. Company               | 71 Princeton St   | Chelmsford | 1850 |
| CLM.286       | Moore, George C. Wool Scouring Mill    | 87 Princeton St   | Chelmsford | 1903 |
| CLM.311       | Gorman, Phillip House                  | 201 Princeton St  | Chelmsford | 1852 |
| CLM.54        | Bateman, Lt. John House                | 4 Proctor Rd      | Chelmsford | 1790 |
| CLM.252       | Chelmsford Grange Hall                 | 17 Proctor Rd     | Chelmsford | 1908 |
| CLM.964       | September 11 Memorial Bench            | 200 Richardson Rd | Chelmsford | 2003 |
| CLM.924       | Riverneck Road Bridge over Route 3     | Riverneck Rd      | Chelmsford | 1954 |
| CLM.318       |  | 121 Riverneck Rd  | Chelmsford | 2005 |
| CLM.942       | Middlesex Canal Monument               | 127 Riverneck Rd  | Chelmsford | 1987 |
| CLM.950       | Parkhurst's Pulpit                     | 10 Robin Hill Rd  | Chelmsford | 1850 |
| CLM.104       | Parkhurst, Rev. John House             | 147 Robin Hill Rd | Chelmsford | 1823 |
| CLM.65        | Osgood, Hannah House                   | 187 Robin Hill Rd | Chelmsford | 1842 |
| CLM.305       | Spaulding, Orrin J. House              | 192 Robin Hill Rd | Chelmsford | 1879 |
| CLM.963       | Lucifer Match Factory Monument         | 192 Robin Hill Rd | Chelmsford | 1975 |
| CLM.66        | Parker, Eli Packard House              | 195 Robin Hill Rd | Chelmsford | 1840 |
| CLM.931       | Route 129 Bridge over Route 3          | Rte 129           | Chelmsford | 1954 |
| CLM.923       | Route 3 Bridge over B & M Railroad     | Rte 3             | Chelmsford | 1959 |
| CLM.925       | Route 3 Bridge over Conrail            | Rte 3             | Chelmsford | 1941 |
| CLM.926       | Route 3 Bridge over Route 110          | Rte 3             | Chelmsford | 1941 |
| CLM.927       | Route 3 Bridge over Parkhurst Road     | Rte 3             | Chelmsford | 1941 |
| CLM.934       | Route 3 Bridge over River Meadow Brook | Rte 3             | Chelmsford | 1959 |
| CLM.935       | Route 3 Bridge over Richardson Road    | Rte 3             | Chelmsford | 1959 |
| CLM.936       | Route 3 Bridge over Stony Brook        | Rte 3             | Chelmsford | 1959 |
| CLM.937       | Route 3 Bridge over Moores Canal       | Rte 3             | Chelmsford | 1961 |
| CLM.938       | Route 3 Bridge over Main Street        | Rte 3             | Chelmsford | 1959 |
| CLM.939       | Route 3 Bridge over Route 40           | Rte 3             | Chelmsford | 1959 |
| CLM.929       | Eastbound Route 4 Bridge over Route 3  | Rte 4             | Chelmsford | 1958 |
| CLM.930       | Westbound Route 4 Bridge over Route 3  | Rte 4             | Chelmsford | 1958 |

| Inventory No. | Property Name                                | Street            | Town       | Year |
|---------------|--|-------------------|------------|------|
| CLM.803       | West Chelmsford Cemetery                     | School St         | Chelmsford | 1855 |
| CLM.310       | Whidden, John H. - Olson, Sven House         | 32 School St      | Chelmsford | 1862 |
| CLM.255       | Holt, George H. - Reis, Andrew House         | 108 School St     | Chelmsford | 1870 |
| CLM.228       | Chelmsford District Schoolhouse #7           | 142 School St     | Chelmsford | 1877 |
| CLM.35        | Spaulding, George House                      | 55 Spaulding Rd   | Chelmsford | 1775 |
| CLM.928       | Stedman Street Bridge over Route 3           | Stedman St        | Chelmsford | 1940 |
| CLM.215       | Golden Cove School                           | 12 Stedman St     | Chelmsford | 1896 |
| CLM.267       | Butters, Stella J. House                     | 34 Stedman St     | Chelmsford | 1895 |
| CLM.917       | Stony Brook Railroad Bridge                  | Stony Brook       | Chelmsford | 1850 |
| CLM.901       | Chelmsford World War I Monument              | Vinal Sq          | Chelmsford | 1922 |
| CLM.143       | Davis, Alonzo A. House                       | 5-7 Washington St | Chelmsford | 1854 |
| CLM.120       | Wright, Samuel T. - Whidden, George W. House | 16 Washington St  | Chelmsford | 1876 |
| CLM.133       | Southland, Henry House                       | 29 Washington St  | Chelmsford | 1852 |
| CLM.1         | Chelmsford Brick Schoolhouse                 | Westford St       | Chelmsford | 1802 |
| CLM.2         | Merrimack River Locks Toll House             | Westford St       | Chelmsford | 1832 |
| CLM.804       | Forefathers' Cemetery                        | Westford St       | Chelmsford | 1690 |
| CLM.238       | Ward, Charles C. House                       | 1-3 Westford St   | Chelmsford | 1884 |
| CLM.213       | First Parish Unitarian Universalist Church   | 2 Westford St     | Chelmsford | 1842 |
| CLM.217       | Sullivan - Haley, Patrick House              | 4 Westford St     | Chelmsford | 1845 |
| CLM.231       | Day, George W. House                         | 8 Westford St     | Chelmsford | 1908 |
| CLM.232       | Robbins, Edward J. House                     | 12 Westford St    | Chelmsford | 1904 |
| CLM.237       | Gale, Lyman S. - Smith House                 | 15 Westford St    | Chelmsford | 1881 |
| CLM.29        | Packard, Rev. Hezekiah House                 | 16 Westford St    | Chelmsford | 1794 |
| CLM.233       | Elliott, Jasper House                        | 22 Westford St    | Chelmsford | 1887 |
| CLM.234       | Dutton, Lewis M. House                       | 28 Westford St    | Chelmsford | 1880 |
| CLM.95        | Mansfield - Emerson, Arthur House            | 41 Westford St    | Chelmsford | 1790 |
| CLM.140       | Perham, Walter House                         | 45 Westford St    | Chelmsford | 1897 |
| CLM.313       | Proctor, Henry B. House                      | 46 Westford St    | Chelmsford | 1884 |
| CLM.304       | Kimball, Wilson House                        | 54 Westford St    | Chelmsford | 1887 |

| Inventory No. | Property Name                                  | Street          | Town       | Year |
|---------------|--|-----------------|------------|------|
| CLM.31        | Spaulding, Joseph and Benjamin House           | 219 Westford St | Chelmsford | 1690 |
| CLM.32        | Spaulding, Edward House                        | 243 Westford St | Chelmsford | 1664 |
| CLM.236       | Chelmsford Central Congregational Church       | 1 Worthen St    | Chelmsford | 1959 |
| CLM.235       | Nichols, Martha E. - Hemenway, Rodney F. House | 9 Worthen St    | Chelmsford | 1909 |
| CLM.27        | Davis, Samuel House                            | 10 Worthen St   | Chelmsford | 1790 |
| CLM.28        | Proctor, Azariah Jr. House                     | 14 Worthen St   | Chelmsford | 1808 |
| CLM.920       | Wotton Road - Deep Brook Railroad Bridge       | Wotton Rd       | Chelmsford | 1937 |
| CLM.314       | Bradley, John House                            | 25-27 Wright St | Chelmsford | 1874 |
| CLM.119       | Sprague, Cordice R. - Vinal, Fred I. House     | 36 Wright St    | Chelmsford | 1873 |
| CLM.317       | Fletcher - Wright, Otis D. House               | 37-39 Wright St | Chelmsford | 1872 |

**Search Criteria:** Town(s): Chelmsford; Resource Type(s): Area, Building, Burial Ground, Object and Structure

**Source:** Massachusetts Historical Commission, MACRIS, [www.sec.state.ma.us/mhc](http://www.sec.state.ma.us/mhc)

# APPENDIX H

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## Energy Conservation Projects Detailed Itemization



**Town of Chelmsford**  
**Department of Public Facilities**  
**Updated 10/20/09**  
**Energy Rebates Massachusetts Electric Co.**

| Location               | Year | Item                       | MECO<br>Rebate | Savings<br>To Date |
|------------------------|------|----------------------------|----------------|--------------------|
| Parker School          | 1998 | DDC Controls               | 14,400         | 170,379.00         |
| Byam School            | 2001 | DDC Controls               | 7,200          | 77,192.00          |
| Harrington School      | 2001 | DDC Controls               | 7,200          | 77,192.00          |
| Westlands School       | 2002 | DDC Controls               | 7,200          | 45,920.00          |
| Chelmsford High School | 2002 | DDC Controls               | 1,200          | 18,788.00          |
| Center School          | 2003 | DDC Controls               | 14,400         | 110,208.00         |
| South Row School       | 2003 | DDC Controls               | 7,200          | 13,692.00          |
| Parker School          | 2003 | Added to DDC Controls      | 8,000          | 14,718.00          |
| Parker School          | 2004 | Added to DDC Controls      | 4,000          | 6,130.00           |
| South Row School       | 2006 | DDC Controls Full Building | 14,400         | 14,733.00          |
| <b>Total</b>           |      |                            | <b>85,200</b>  | <b>548,952.00</b>  |



*Town of Chelmsford  
Department of Public Facilities*

National Grid Lighting Project  
Updated 10/20/09

| Building               | Project Year | Estimated Savings Per Year | Pay Back Period in Months | 1st Year Savings  | Savings to Date   | MECO Contribution | Town Contribution |
|------------------------|--------------|----------------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|
| Westlands School       | 1997         | 3,583.00                   |                           |                   | 36,582.44         |                   |                   |
| South Row School       | 1998         | 3,180.00                   |                           |                   | 33,540.00         |                   |                   |
| Harrington School      | 2000         | 2,075.00                   | 4                         | 1,383.44          | 15,563.52         | 39,602.04         | 7,920.41          |
| Byam School            | 2000         | 2,040.00                   | 4                         | 1,360.24          | 15,302.16         | 41,301.78         | 8,260.36          |
| Chelmsford High School | 2004         | 15,857.89                  | 36                        | -15,857.89        | 48,895.13         | 117,459.44        | 46,983.78         |
| Parker Middle School   | 2005         | 8,144.24                   | 14                        | -1,357.38         | 29,861.84         | 46,453.38         | 9,290.68          |
| McCarthy Middle School | 2005         | 4,971.71                   | 18                        | -2,485.86         | 14,915.16         | 37,858.29         | 7,571.66          |
| North Fire             | 2007         | 441.35                     | 10                        | 73.56             | 735.60            | 1,849.24          | 314.37            |
| West Fire              | 2007         | 427.34                     | 13                        | -35.62            | 605.36            | 2,249.23          | 382.37            |
| East Fire              | 2007         | 1,802.65                   | 10                        | 300.44            | 3,004.40          | 7,199.44          | 1,223.90          |
| South Fire             | 2007         | 549.22                     | 9                         | 137.31            | 961.18            | 2,127.59          | 361.69            |
| Center Fire            | 2007         | 1,002.51                   | 11                        | 91.14             | 1,594.86          | 4,652.45          | 790.92            |
| Byam School            | 2009         | 916.31                     | 19.5                      | -916.31           | -916.31           | 4,090.44          | 1,753.05          |
| Center School          | 2009         | 1,353.92                   | 17.3                      | -1,353.92         | -1,353.92         | 5,347.22          | 2,291.67          |
| South Row School       | 2009         | 759.36                     | 20.3                      | -759.36           | -759.36           | 3,531.56          | 1,513.53          |
| Harrington School      | 2009         | 568.79                     | 28.4                      | -568.79           | -568.79           | 3,691.67          | 1,582.14          |
| Westlands School       | 2009         | 1,001.20                   | 19.6                      | -1,001.20         | -1,001.20         | 4,492.43          | 1,925.33          |
| <b>Total</b>           |              | <b>48,674.49</b>           |                           | <b>-20,990.20</b> | <b>196,962.07</b> | <b>321,906.20</b> | <b>92,165.86</b>  |



*Town of Chelmsford  
Department of Public Facilities*

School Building Project Rebates  
*Updated 10/20/09*

| <u>Location</u>        | <u>Company</u> | <u>Date</u>       | <u>Amount</u>  | <u>1st Year Savings</u> | <u>Savings To Date</u> |
|------------------------|----------------|-------------------|----------------|-------------------------|------------------------|
| Parker School          | Keyspan Rebate | March 3, 2005     | 30,735         | 56,045                  | 256,873                |
| McCarthy School        | National Grid  | November 16, 2006 | 9,330          | 1,683                   | 4,909                  |
| Parker School          | National Grid  | November 28, 2006 | 2,765          | 1,018                   | 2,969                  |
| Chelmsford High School | National Grid  | November 28, 2006 | 7,818          | 3,456                   | 10,080                 |
| Parker School          | National Grid  | December 6, 2006  | 1,425          | 204                     | 578                    |
| McCarthy School        | National Grid  | December 12, 2006 | 2,694          | 1,421                   | 4,026                  |
| McCarthy School        | National Grid  | February 2, 2007  | 3,600          | 4,507                   | 12,019                 |
| Chelmsford High School | Keyspan Rebate | February 13, 2007 | 28,500         | 92,556                  | 246,816                |
| Chelmsford High School | National Grid  | February 28, 2007 | 1,155          | 1,165                   | 3,107                  |
| Parker School          | Keyspan Rebate | February 22, 2007 | 23,414         | 57,830                  | 154,213                |
| McCarthy School        | Keyspan Rebate | February 22, 2007 | 8,129          | 22,659                  | 60,424                 |
| McCarthy School        | National Grid  | March 22, 2007    | 30,021         | 48,086                  | 128,229                |
|                        |                |                   | 243            | 268                     | 692                    |
| <b>Total</b>           |                |                   | <b>149,829</b> | <b>290,898</b>          | <b>884,935</b>         |



**Town of Chelmsford**  
**Department of Public Facilities**

**Energy Rebates Keyspan**  
**Updated 10/20/09**

| Location               | Date               | Amount         | Project  | 1st Year Savings | Savings To Date  |
|------------------------|--------------------|----------------|--|------------------|------------------|
| Chelmsford High School | September 19, 2001 | 22,500         | 95% Efficient Boilers                                    | 81,000           | 654,750          |
| Chelmsford High School | September 19, 2001 | 2,500          | BMS  | 3,750            | 30,313           |
| Byam School            | October 1, 2002    | 18,000         | 95% Efficient Boilers                                    | 6,810            | 47,670           |
| Harrington School      | October 1, 2002    | 18,000         | 95% Efficient Boilers                                    | 8,947            | 62,629           |
| Westlands School       | October 1, 2002    | 12,000         | 95% Efficient Boilers                                    | 8,280            | 57,960           |
| Byam School            | November 14, 2002  | 5,805          | Boiler Reset/EMS/Separation of DHW and Pipe Insulation   | 5,337            | 36,470           |
| Harrington School      | November 14, 2002  | 5,805          | Boiler Reset/EMS/Separation of DHW and Pipe Insulation   | 5,337            | 36,470           |
| Westlands School       | November 14, 2002  | 6,217          | Boiler Reset/EMS/Separation of DHW and Pipe Insulation   | 6,402            | 43,747           |
| Center School          | January 8, 2003    | 1,228          | EMS Computer   | 1,125            | 7,594            |
| South Row School       | January 11, 2002   | 11,727         | High Performance Windows/Full Modulating Burners/BMS/EMS | 18,779           | 145,537          |
| Parker School          | January 11, 2005   | 6,735          | Novar DDC Tie In/Full Modulating Burner                  | 10,228           | 48,583           |
| Harrington School      | February 4, 2005   | 1,377          | Roof Insulation  | 0                | 0                |
| Byam School            | March 27, 2004     | 4,899          | High Performance Windows                                 | 7,887            | 44,036           |
| Harrington School      | March 27, 2004     | 5,913          | High Performance Windows                                 | 9,520            | 53,153           |
| Westlands School       | March 27, 2004     | 3,183          | High Performance Windows                                 | 5,125            | 28,615           |
| West Fire Station      | July 3, 2007       | 2,350          | Convert Oil Boiler to Gas                                | 0                | 0                |
| <b>Total</b>           |                    | <b>128,239</b> |  | <b>178,527</b>   | <b>1,297,525</b> |

## **School Buildings: Debt Exemption Improvement List**

## **Town Supported 31 Million Debt Exemption Improvement List**

### **Chelmsford High School**                      **\$17,025,379.29**

Fire Alarm – Technology upgrade to electrical  
Science Wing Renovation – 16 new 1,200 square foot Science Labs/Classrooms  
    - 2 new Computer Labs  
    - 1 Consumer Science Room  
New 1000 seat Auditorium  
New rooftop units with DDC Controls  
New roof and exhaust fans  
Rebuild fire pump  
Ceiling replacement hallways  
Renovation of School Administration Building

### **McCarthy Middle School**                      **\$8,249,339.52**

New roof, phase 3 and roof top exhaust fans  
Electrical upgrades for Technology  
New windows  
New 5,000 square foot Library  
Renovation to Music/Art Wing – 6 new classrooms  
4 new classrooms (former Library)  
Complete new heating system  
New DDC Controls  
Some ceiling replacement

### **Parker Middle School**                      **\$5,159,895.31**

New modular classrooms (4 rooms)  
New boilers  
Electrical upgrade for Technology  
New Windows  
New 5,000 square foot Library  
2 – 1,200 square foot Computer Labs  
New boys and girls bathrooms  
New access corridor  
Repave and stripe rear lot  
New roof top exhaust fans  
New floor tile in hallways  
Repaint all hallways (ceilings/walls)  
Repaint all lockers  
Repaint Gym (ceilings/walls)

## **School Buildings: Capital Improvements 1999-2010**

**CHELMSFORD SCHOOLS CAPITAL IMPROVEMENTS 1999-2010**

| <u>SCHOOL</u>           | <u>YEAR</u> | <u>IMPROVEMENT</u>             | <u>AMOUNT</u>       |
|-------------------------|-------------|--------------------------------|---------------------|
| Byam                    | 2001        | Fire Alarm Electrical Upgrade  | 258,750.00          |
| Byam                    | 2002        | Boiler Replacement             | 200,000.00          |
| Byam                    | 2004        | Window Replacement             | 275,000.00          |
| Byam                    | 2004        | Generator Replacement          | 65,000.00           |
| Byam                    | 2005        | Roof Top Exhaust Fans          | 35,000.00           |
| Byam                    | 2006        | Chalkboard Replacement         | 15,000.00           |
| Byam                    | 2006        | Classroom Furniture            | 44,000.00           |
| Byam                    | 2007        | Parking Lot & Sidewalks        | 140,000.00          |
| Byam                    | 2008        | Floor Tile Replacement         | 100,000.00          |
| <u>Byam Total</u>       |             |                                | <u>1,132,750.00</u> |
| Harrington              | 2001        | Fire Alarm Electrical Upgrade  | 258,750.00          |
| Harrington              | 2002        | Boiler Replacement             | 200,000.00          |
| Harrington              | 2004        | New Roof & Roof Top Exhaust    | 375,000.00          |
| Harrington              | 2004        | Window Replacement             | 275,000.00          |
| Harrington              | 2005        | Generator Replacement          | 67,600.00           |
| Harrington              | 2006        | Chalkboard Replacement         | 15,000.00           |
| Harrington              | 2007        | Floor Tile Replacement         | 112,000.00          |
| <u>Harrington Total</u> |             |                                | <u>1,303,350.00</u> |
| South Row               | 1999        | New Roof                       | 340,000.00          |
| South Row               | 2001        | Fire Alarm Electrical Upgrade  | 258,750.00          |
| South Row               | 2002        | Window Replacement             | 285,000.00          |
| South Row               | 2003        | Boiler & Generator Replacement | 240,100.00          |
| South Row               | 2005        | Univent Replacement            | 386,000.00          |
| South Row               | 2006        | Chalkboard Replacement         | 10,000.00           |
| South Row               | 2006        | Floor Tile Replacement         | 90,000.00           |
| South Row               | 2006        | Parking Lot, Curbs & Sidewalks | 100,000.00          |
| South Row               | 2006        | Classroom Furniture            | 44,000.00           |
| <u>South Row Total</u>  |             |                                | <u>1,753,850.00</u> |
| Westlands               | 2001        | Fire Alarm Electrical Upgrade  | 258,750.00          |
| Westlands               | 2002        | Boiler Replacement             | 200,000.00          |
| Westlands               | 2003        | New Roof & Roof Top Exhaust    | 330,000.00          |
| Westlands               | 2004        | Window Replacement             | 225,000.00          |
| Westlands               | 2005        | Generator                      | 67,600.00           |
| Westlands               | 2006        | Chalkboard Replacement         | 10,000.00           |
| Westlands               | 2006        | Classroom Furniture            | 44,000.00           |
| Westlands               | 2008        | Floor Tile Replacement         | 80,000.00           |
| <u>Westlands Total</u>  |             |                                | <u>1,215,350.00</u> |

**CHELMSFORD SCHOOLS CAPITAL IMPROVEMENTS 1999-2010**

| <u>SCHOOL</u>         | <u>YEAR</u> | <u>IMPROVEMENT</u>                        | <u>AMOUNT</u>        |
|-----------------------|-------------|---|----------------------|
| CHS                   | 2006        | Roof Replacement                          | 750,000.00           |
| CHS                   | 2007        | Chalkboard Replacement                    | 46,000.00            |
| CHS                   | 2008        | Security - Emclose Stariwells             | 625,000.00           |
| CHS                   | 2008        | Carpet, Casework, Furniture Library IDC's | 270,000.00           |
| CHS                   | 2008        | Lockers                                   | 258,000.00           |
| CHS                   | 2009        | Building Façade                           | 350,000.00           |
| CHS                   | 2009        | Stadium Seating and Press Boxes           | 625,000.00           |
| <u>CHS Total</u>      |             |   | <u>2,924,000.00</u>  |
| McCarthy              | 2001        | Roof Replacement                          | 390,000.00           |
| McCarthy              | 2004        | Roof Replacement                          | 400,000.00           |
| McCarthy              | 2008        | Chalkboard Replacement                    | 40,000.00            |
| McCarthy              | 2008        | Locker Replacement                        | 87,000.00            |
| McCarthy              | 2009        | Gymnasium Upgrade                         | 125,000.00           |
| <u>McCarthy Total</u> |             |   | <u>1,042,000.00</u>  |
| Parker                | 2003        | Modular Classrooms                        | 400,000.00           |
| Parker                | 2008        | Chalkboard Replacement                    | 25,000.00            |
| Parker                | 2008        | Roof Replacement                          | 750,000.00           |
| <u>Parker Total</u>   |             |   | <u>775,000.00</u>    |
| School Administrtion  | 2006        | Partial Renovation and Addition           | 750,000.00           |
| <u>Admin. Total</u>   |             |   | <u>750,000.00</u>    |
| <u>School Total</u>   |             |   | <u>10,896,300.00</u> |

**CHELMSFORD TOWN BUILDINGS CAPITAL IMPROVEMENTS 1999-2010**

| <u>BUILDING</u>                     | <u>YEAR</u> | <u>IMPROVEMENT</u>  | <u>AMOUNT</u>               |
|-------------------------------------|-------------|---|-----------------------------|
| Town Offices                        | FY2003      | Roof Replacement - last 2 areas done, all levels complete | 25,000.00                   |
| Town Offices                        | FY2003      | Exterior Rehab/Window Replacement-1st phase               | 80,000.00                   |
| Town Offices                        | FY2009      | Window Replacement - 2nd phase                            | 95,000.00                   |
| Old Town Hall                       | FY2001      | Air Conditioning  | 60,000.00                   |
| Old Town Hall                       | FY2004      | Roof  | 43,000.00                   |
| Highway Department                  | FY2009      | Ventilation Project                                       | 35,000.00                   |
| Senior Center                       | FY1999      | Kitchen Steamer   | 15,000.00                   |
| Senior Center                       | FY2000      | Kitchen Equipment   | 19,000.00                   |
| Senior Center                       | FY2005      | Carpet Replacement  | 27,000.00                   |
| Senior Center                       | FY2009      | Parking Lot Repavement                                    | 36,560.00                   |
| Senior Center                       | FY2010      | Boilerless Steamer  | 37,500.00                   |
| West Fire                           | FY1999      | Roof  | 15,000.00                   |
| North Fire                          | FY2000      | Roof  | 15,000.00                   |
| Center/North/South                  | FY2003      | Boiler Replacements                                       | 78,000.00                   |
| North/West Fire                     | FY2007      | Roof Replacement  | 50,000.00                   |
| Library Dutton House                | FY2002      | Improvements-roof,painting,siding and floor shoring       | 50,000.00                   |
| <u>Town Total</u>                   |             |   | <u>681,060.00</u>           |
| <b><u>School and Town Total</u></b> |             |   | <b><u>11,577,360.00</u></b> |

Facilities/Capital Related

## **Capital Improvement Program Summary Fiscal Years 2011-2020**

**Town of Chelmsford  
Capital Improvement Program Summary  
Fiscal Years 2011-2020**

| Projects by Functional Category  | FY2011      | FY2012    | FY2013      | FY2014   | FY2015   | FY2016    | FY2017   | FY2018    | FY2019 | FY2020      | Total                                      |
|--|-------------|-----------|-------------|----------|----------|-----------|----------|-----------|--------|-------------|--|
| <b>Municipal Facilities</b>  |             |           |             |          |          |           |          |           |        |             |  |
| <b>Town Offices</b>  |             |           |             |          |          |           |          |           |        |             |  |
| Renovation gym, restrooms, stage, heating,<br>Parking lot lighting   |             | \$166,400 |             |          |          |           |          |           |        |             | \$166,400                                  |
| Parking lot, curbs and walks   |             |           |             | \$28,125 |          |           |          |           |        |             | \$28,125                                   |
| Roof replacement   |             |           |             |          |          | \$140,000 |          | \$227,040 |        |             | \$140,000<br>\$227,040<br>\$227,040        |
| <b>Adams Library</b>   |             |           |             |          |          |           |          |           |        |             |  |
| Upgrade to controllers for 3 AHU's   |             |           | \$25,000    |          |          |           |          |           |        |             | \$25,000                                   |
| <b>MacKay Library</b>  |             |           |             |          |          |           |          |           |        |             |  |
| Repair clap boards, replace shutters and paint<br>Roof replacement   |             |           | \$25,000    |          | \$40,950 |           |          |           |        |             | \$25,000<br>\$40,950                       |
| <b>Center Fire Station</b>   |             |           |             |          |          |           |          |           |        |             |  |
| Renovation or replacement of Fire Headquarters will be re-visited to come up with a solid plan on what is best for the town that can be brought to the town residence. |             |           | \$5,000,000 |          |          |           |          |           |        | \$7,000,000 | \$12,000,000                               |
| <b>East Fire Station</b>   |             |           |             |          |          |           |          |           |        |             |  |
| Roof replacement   |             |           |             |          |          |           |          |           |        |             |  |
| Replace hose tower   |             | \$56,000  |             | \$78,740 |          |           |          |           |        |             | \$78,740<br>\$56,000                       |
| <b>North Fire Station</b>  |             |           |             |          |          |           |          |           |        |             |  |
| <b>South Fire Station</b>  |             |           |             |          |          |           |          |           |        |             |  |
| Roof replacement   |             |           |             |          |          |           | \$63,540 |           |        |             | \$63,540                                   |
| <b>West Fire Station</b>   |             |           |             |          |          |           |          |           |        |             |  |
| <b>DPW Facility</b>  |             |           |             |          |          |           |          |           |        |             |  |
| DPW on Alpha Road phase 1 is scheduled to be on the ballot for April 6th for 4.6million. A proposed Phase 2 is to be brought to the table in 2015 for 6.0million.      | \$4,600,000 |           |             |          |          |           |          |           |        |             | \$4,600,000<br>\$6,000,000<br>\$10,600,000 |
| <b>Police Station and Maint Garage</b>   |             |           |             |          |          |           |          |           |        |             |  |
| <b>Center Town Hall (Old)</b>  |             |           |             |          |          |           |          |           |        |             |  |
| The Old Town Hall is to go to a vote at town meeting in April by the CPC. It is for a full renovation of 2.56million.  | \$2,560,000 |           |             |          |          |           |          |           |        |             | \$2,560,000                                |
| <b>North Town Hall</b>   |             |           |             |          |          |           |          |           |        |             |  |
| The North Town Hall is also going to a vote at April town meeting by the CPC. It is a full renovation of \$2.85 million.   | \$2,850,000 |           |             |          |          |           |          |           |        |             | \$2,850,000                                |
| <b>Chelmsford Country Club</b>   |             |           |             |          |          |           |          |           |        |             |  |
| Replace HVAC systems   |             |           |             |          |          |           |          |           |        | \$25,000    | \$25,000                                   |

**Town of Chelmsford  
Capital Improvement Program Summary  
Fiscal Years 2011-2020**

| Projects by Functional Category   | FY2011              | FY2012           | FY2013             | FY2014           | FY2015             | FY2016           | FY2017           | FY2018           | FY2019           | FY2020             | Total               |
|---|---------------------|------------------|--------------------|------------------|--------------------|------------------|------------------|------------------|------------------|--------------------|---------------------|
| <b>Senior Center</b>  |                     |                  |                    |                  |                    |                  |                  |                  |                  |                    |                     |
| Install emergency generator   |                     | \$110,000        |                    |                  |                    |                  |                  |                  |                  |                    | \$110,000           |
| Replace HVAC systems  |                     |                  |                    |                  | \$58,000           |                  |                  |                  |                  |                    | \$58,000            |
| Replace roof  |                     |                  |                    |                  |                    |                  | \$101,750        |                  |                  |                    | \$101,750           |
| <b>Dwelling (Dutton House)</b>  |                     |                  |                    |                  |                    |                  |                  |                  |                  |                    |                     |
| Replace windows and doors   |                     |                  | \$32,300           |                  |                    |                  |                  |                  |                  |                    | \$32,300            |
| Repair clap boards, replace shutters and paint  |                     |                  |                    | \$25,000         |                    |                  |                  |                  |                  |                    | \$25,000            |
| replace front porch   |                     | \$22,000         |                    |                  |                    |                  |                  |                  |                  |                    | \$22,000            |
| repair walls, ceilings and paint interior   |                     |                  |                    |                  | \$17,000           |                  |                  |                  |                  |                    | \$17,000            |
| Replace old steam system with hot water   |                     |                  |                    |                  |                    | \$26,000         |                  |                  |                  |                    | \$26,000            |
| Domestic water piping needs to be replaced  |                     |                  |                    |                  |                    |                  |                  | \$22,000         |                  |                    | \$22,000            |
| * The above work will not make the building ADA accessible. It would need ramps, ADA restrooms, some doors widened and an elevator. Estimated cost of \$195,000 |                     |                  |                    |                  |                    |                  |                  |                  | \$195,000        |                    | \$195,000           |
| <b>Chelmsford Forum</b>   |                     |                  |                    |                  |                    |                  |                  |                  |                  |                    |                     |
| Redo parking lot and add islands  | \$135,000           |                  |                    |                  |                    |                  |                  |                  |                  |                    | \$135,000           |
| <b>Non-School Facilities Subtotal</b>   | <b>\$10,145,000</b> | <b>\$354,400</b> | <b>\$5,082,300</b> | <b>\$156,865</b> | <b>\$6,116,950</b> | <b>\$166,000</b> | <b>\$165,290</b> | <b>\$249,040</b> | <b>\$195,000</b> | <b>\$7,000,000</b> | <b>\$28,629,845</b> |

\$29,629,845

**Town of Cheimsford**  
**Capital Improvement Program Summary**  
**Fiscal Years 2011-2020**

Projects by Functional Category  
Public Education

|  | <u>FY2011</u> | <u>FY2012</u> | <u>FY2013</u> | <u>FY2014</u> | <u>FY2015</u> | <u>FY2016</u> | <u>FY2017</u> | <u>FY2018</u> | <u>FY2019</u> | <u>FY2020</u> | <u>Total</u> |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| <b><u>Byam School</u></b>                |               |               |               |               |               |               |               |               |               |               |              |
| Gymnasium Upgrades                       |               |               | \$83,519      | \$172,977     |               |               |               |               |               |               | \$83,519     |
| Kitchen/ Cafeteria Upgrades              |               | \$49,645      |               |               |               |               |               |               |               |               | \$172,977    |
| DDC Control System                       |               | \$409,299     |               |               |               |               |               |               |               |               | \$49,645     |
| Univent Air Handling Replacement         |               |               |               |               | \$284,915     |               |               |               |               |               | \$409,299    |
| Doors and Hardware                       |               |               |               |               |               | \$215,540     |               |               |               |               | \$186,988    |
| Plumbing                                 |               |               |               |               |               |               |               |               |               |               | \$186,988    |
| Casework and paint                       |               |               |               |               |               |               |               |               |               |               | \$284,915    |
| Parking lot light replacement            |               |               |               |               |               |               |               |               |               |               | \$215,540    |
| Roof replacement                         |               |               |               |               |               |               | \$41,000      |               |               |               | \$41,000     |
| <b><u>Byam School Subtotal</u></b>       | \$0           | \$458,945     | \$83,519      | \$172,977     | \$284,915     | \$215,540     | \$186,988     | \$41,000      | \$0           | \$557,600     | \$557,600    |
| <b><u>Center School</u></b>              |               |               |               |               |               |               |               |               |               |               |              |
| <b><u>Harrington School</u></b>          |               |               |               |               |               |               |               |               |               |               |              |
| Gymnasium Upgrade                        |               |               |               | \$86,679      |               |               |               | \$206,795     |               |               | \$86,679     |
| Kitchen/ Cafeteria Upgrades              |               |               |               |               |               |               |               |               |               |               | \$206,795    |
| DDC Control System                       |               |               | \$51,555      |               |               |               |               |               |               |               | \$51,555     |
| Univent Air Handling Replacement         |               |               | \$442,227     |               |               |               |               |               |               |               | \$442,227    |
| Parking Lot, Curbs and Sidewalks         | \$150,000     |               |               |               |               |               |               |               |               |               | \$150,000    |
| Doors and Hardware                       |               |               |               |               |               |               | \$187,418     |               |               |               | \$187,418    |
| Plumbing                                 |               |               |               |               |               |               |               |               |               |               | \$274,739    |
| Casework and paint                       |               |               |               |               |               |               |               |               |               |               | \$236,250    |
| Create New Parking Lot                   |               |               |               |               |               |               |               |               |               |               | \$236,250    |
| Parking lot light replacement            |               |               |               |               |               |               |               |               |               |               | \$211,670    |
| <b><u>Harrington School Subtotal</u></b> | \$150,000     | \$236,250     | \$493,781     | \$86,679      | \$274,739     | \$211,670     | \$187,418     | \$206,795     | \$28,000      | \$0           | \$1,875,333  |
| <b><u>Westlands School</u></b>           |               |               |               |               |               |               |               |               |               |               |              |
| Gymnasium Upgrade                        |               | \$70,937      |               |               |               |               |               |               |               |               | \$70,937     |
| Kitchen/ Cafeteria Upgrades              |               |               | \$167,267     |               |               |               |               |               |               |               | \$167,267    |
| DDC Control System                       |               |               |               | \$55,521      |               |               |               |               |               |               | \$55,521     |
| Univent Air Handling Replacement         |               |               |               | \$476,244     |               |               |               |               |               |               | \$476,244    |
| Parking Lot, Curbs and Sidewalks         | \$150,000     |               |               |               |               |               |               |               |               |               | \$150,000    |
| Doors and Hardware                       |               |               |               |               |               |               | \$186,988     |               |               |               | \$186,988    |
| Plumbing                                 |               |               |               |               |               |               |               |               |               |               | \$295,090    |
| Casework and paint                       |               |               |               |               |               |               |               |               |               |               | \$295,090    |
| Parking lot light replacement            |               |               |               |               |               | \$201,230     |               |               |               |               | \$201,230    |
| <b><u>Westlands School Subtotal</u></b>  | \$150,000     | \$70,937      | \$167,267     | \$531,765     | \$295,090     | \$201,230     | \$186,988     | \$28,000      | \$0           | \$0           | \$1,631,278  |

**Town of Chelmsford  
Capital Improvement Program Summary  
Fiscal Years 2011-2020**

| Projects by Functional Category                  | FY2011    | FY2012    | FY2013    | FY2014    | FY2015    | FY2016    | FY2017    | FY2018    | FY2019   | FY2020    | Total       |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-------------|
| <b>South Row School</b>                          |           |           |           |           |           |           |           |           |          |           |             |
| Gymnasium Upgrade                                |           |           | \$64,897  | \$255,441 | \$168,678 | \$195,850 | \$206,820 |           |          |           | \$64,897    |
| Kitchen/Cafeteria Upgrades                       |           |           |           |           |           |           |           |           |          |           | \$206,820   |
| Doors and Hardware                               |           |           |           |           |           |           |           |           |          |           | \$168,678   |
| Plumbing   |           |           |           |           |           |           |           |           |          |           | \$255,441   |
| Casework and paint                               |           |           |           |           |           |           |           |           |          |           | \$195,850   |
| Repair, paint trim and sand blast & paint canopy |           | \$38,000  |           |           |           |           |           |           |          |           | \$38,000    |
| Parking lot light replacement                    |           |           |           |           |           |           |           | \$28,000  |          |           | \$28,000    |
| <b>South Row School Subtotal</b>                 | \$0       | \$38,000  | \$64,897  | \$255,441 | \$168,678 | \$195,850 | \$206,820 | \$28,000  | \$0      | \$0       | \$957,685   |
| <b>Parker School</b>                             |           |           |           |           |           |           |           |           |          |           |             |
| Floor Tile Replacement                           | \$145,000 |           |           |           |           |           |           |           |          |           | \$145,000   |
| Parking Lot, Curbs and Sidewalks                 |           |           |           |           |           |           |           |           |          |           | \$327,175   |
| Univent Replacement & DDC controls               |           |           |           | \$575,770 |           | \$354,960 | \$327,175 |           |          |           | \$575,770   |
| Plumbing   |           |           |           |           |           |           |           |           |          |           | \$354,960   |
| Doors and Hardware                               |           | \$110,323 |           |           |           |           |           |           |          |           | \$110,323   |
| Gymnasium Upgrade                                |           |           |           |           |           |           |           |           |          |           | \$118,973   |
| Kitchen/Cafeteria and Stage Upgrade              |           |           | \$118,973 |           |           |           |           |           |          |           | \$255,898   |
| Ceiling Additions to Classrooms                  |           |           |           |           | \$255,898 |           |           |           |          |           | \$255,898   |
| Furniture  |           |           |           |           |           |           |           |           |          | \$378,151 | \$378,151   |
| Casework and paint                               |           |           |           |           |           |           |           |           |          |           | \$58,238    |
| Renovate locker rooms                            |           | \$30,000  |           |           |           |           |           | \$334,653 |          |           | \$334,653   |
| Parking lot light replacement                    |           |           |           |           |           |           |           |           | \$31,000 |           | \$31,000    |
| <b>Parker School Subtotal</b>                    | \$145,000 | \$140,323 | \$118,973 | \$575,770 | \$255,898 | \$354,960 | \$385,413 | \$334,653 | \$31,000 | \$378,151 | \$2,720,140 |
| <b>McCarthy School</b>                           |           |           |           |           |           |           |           |           |          |           |             |
| Floor Tile Replacement                           |           |           |           |           |           | \$531,991 |           |           |          |           | \$531,991   |
| Parking Lot, Curbs and Sidewalks                 |           | \$400,982 |           |           |           |           |           |           |          |           | \$400,982   |
| Plumbing   |           |           |           |           |           |           |           |           |          |           | \$383,846   |
| Doors and Hardware                               |           |           |           |           |           |           |           |           |          |           | \$137,251   |
| Cafeteria/Kitchen/Teachers Rm Upgrade            | \$100,000 |           |           |           |           |           |           |           |          |           | \$100,000   |
| Auditorium Refurbish                             |           |           |           |           |           |           |           |           |          |           | \$626,149   |
| Kitchen/Cafeteria Upgrade                        |           |           | \$211,116 |           |           |           |           |           |          |           | \$211,116   |
| Casework and paint                               |           |           | \$353,173 |           |           |           |           |           |          |           | \$353,173   |
| Furniture  |           |           |           |           |           |           | 42,000    |           |          |           | \$104,057   |
| Renovate locker rooms                            |           |           |           |           |           |           |           |           | \$62,057 |           | \$62,057    |
| Renovate lecture hall                            |           |           |           |           |           |           |           |           |          |           | \$35,000    |
| Replace curtain wall windows (Big Gym)           |           |           |           |           |           |           |           |           |          | \$95,000  | \$95,000    |
| Parking lot light replacement                    |           |           |           |           |           |           |           |           |          |           | \$204,000   |
| <b>McCarthy School Subtotal</b>                  | \$100,000 | \$400,982 | \$564,289 | \$383,846 | \$763,401 | \$531,991 | \$106,400 | \$239,000 | \$62,057 | \$95,000  | \$3,246,966 |

**Town of Chelmsford  
Capital Improvement Program Summary  
Fiscal Years 2011-2020**

| Projects by Functional Category   | FY2011              | FY2012             | FY2013             | FY2014             | FY2015             | FY2016             | FY2017             | FY2018             | FY2019           | FY2020             | Total               |
|---|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|---------------------|
| <b>High School</b>  |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    |                     |
| Univent Air Handling Replacement  |                     | \$865,613          |                    |                    |                    |                    |                    |                    |                  |                    | \$865,613           |
| Parking Lot, Curbs and Sidewalks  |                     |                    |                    |                    |                    | \$528,720          |                    |                    |                  |                    | \$528,720           |
| Window Replacement  |                     |                    |                    | \$1,663,334        |                    |                    |                    |                    |                  |                    | \$1,663,334         |
| Kitchen/Cafeteria Upgrade   |                     |                    | \$713,837          |                    | \$248,212          |                    |                    |                    |                  |                    | \$248,212           |
| Plumbing  |                     | \$163,200          |                    |                    |                    |                    |                    |                    |                  |                    | \$163,200           |
| Doors and Hardware  |                     |                    |                    |                    | \$95,962           |                    |                    |                    |                  |                    | \$95,962            |
| Lecture Halls Upgrade (2)   |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    | \$163,200           |
| Casework and paint  |                     |                    | \$565,000          |                    |                    |                    |                    |                    |                  |                    | \$565,000           |
| Furniture   |                     |                    | \$167,210          |                    |                    |                    |                    |                    | \$133,560        |                    | \$133,560           |
| Gymnasium   |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    | \$565,000           |
| Ceiling Replacement - Caf  1 & 2  | \$100,000           |                    |                    |                    |                    |                    |                    |                    |                  |                    | \$100,000           |
| Stadium Field   |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    | \$167,210           |
| Renovate locker & team rooms (7 rooms)  |                     |                    |                    |                    | \$137,251          |                    | \$80,600           |                    |                  |                    | \$137,251           |
| Renovate career center  |                     |                    |                    |                    | \$175,000          |                    |                    |                    |                  |                    | \$175,000           |
| Renovate tennis courts  |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    | \$80,600            |
| Parking lot light replacement   |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    | \$175,000           |
| <b>High School Subtotal</b>   | <b>\$100,000</b>    | <b>\$1,026,813</b> | <b>\$1,446,047</b> | <b>\$1,759,298</b> | <b>\$560,463</b>   | <b>\$528,720</b>   | <b>\$181,800</b>   | <b>\$88,588</b>    | <b>\$133,560</b> | <b>\$0</b>         | <b>\$6,827,287</b>  |
| <p>The above capital list will take care of the needs of the elementary schools, we expect to be able to continue to service them through capital. The High School and two Middle Schools needs on the capital list will exceed our ability to complete this work with capital funds alone. The lists do not take in to account the full ADA needs, address SBA standards for classroom sizes and new Science rooms, as well as items not completed in the \$31 million school renovations. We believe a School Building project will be necessary around 2020.</p> |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    |                     |
| <b>School Administration Offices</b>  |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    |                     |
| Replace roof  |                     |                    |                    |                    | \$121,800          |                    |                    |                    |                  |                    | \$121,800           |
| <b>All Town Buildings</b>   |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    |                     |
| Light Sensor Project  |                     |                    | \$80,000           |                    |                    |                    |                    |                    |                  |                    | \$80,000            |
| Install LifeGuard System  |                     | \$133,000          |                    |                    |                    |                    |                    |                    |                  |                    | \$133,000           |
| <b>Maintenance/ Misc.</b>   |                     |                    |                    |                    |                    |                    |                    |                    |                  |                    |                     |
| Bucket Truck Replacement  | \$65,000            |                    |                    |                    |                    |                    |                    |                    |                  |                    | \$65,000            |
| Pick-Up/ Truck Replacement  |                     | \$35,493           |                    |                    | \$41,180           |                    |                    |                    |                  |                    | \$76,673            |
| ADA Compliance  |                     | \$26,000           |                    |                    |                    |                    |                    |                    |                  |                    | \$26,000            |
| Tractor Replacement   |                     |                    | \$46,764           |                    |                    |                    |                    |                    |                  |                    | \$46,764            |
| Central Storage Facility  |                     |                    |                    | \$179,128          |                    |                    |                    |                    |                  |                    | \$179,128           |
| Spider Lift   |                     |                    |                    |                    | \$174,000          |                    |                    |                    |                  |                    | \$174,000           |
| <b>Maintenance/ Misc. Subtotal</b>  | <b>\$65,000</b>     | <b>\$194,493</b>   | <b>\$126,764</b>   | <b>\$179,128</b>   | <b>\$336,980</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$902,365</b>    |
| <b>Municipal Facilities Total</b>   | <b>\$10,855,000</b> | <b>\$2,923,144</b> | <b>\$8,147,836</b> | <b>\$4,101,767</b> | <b>\$9,056,113</b> | <b>\$2,405,961</b> | <b>\$1,607,118</b> | <b>\$1,216,076</b> | <b>\$449,617</b> | <b>\$8,030,751</b> | <b>\$48,792,382</b> |

\$902,365