

City of Waltham Massachusetts



2015 - 2022 Open Space & Recreation Plan

City of Waltham Lazazzero Playground Cover Photo provided by Weston and Sampson

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Section 1 Plan Summary

The City of Waltham Open Space and Recreation Plan is developed in an effort to provide a strategic method for ensuring the protection of natural resources while enhancing existing recreational opportunities. The Plan has evolved through executive and legislative action, citizen input, and data analysis. The 2015 Plan builds upon former goals and objectives by taking into account changes in land acquisitions and in the built and natural landscape over the years.

The availability and accessibility to open space in Waltham plays a large role in increasing the quality of life for residents. The opportunities are endless for recreational and aesthetic enjoyment in its natural state, from the Charles River to Waltham's large parks. Waltham residents understand how natural resources impact their overall living experience, therefore enhancing and expanding these resources is a high priority.

The City providing and maintaining open space in Waltham, not only benefits the residents, it also benefits the wildlife habitats and allows Waltham to preserve ecologically sensitive natural resources in their natural state.

Within this Plan the City of Waltham has identified the following goals and expectations related specifically to open space. These goals and expectations are expanded upon throughout the Plan:

Preserve Currently Owned City Open Space – The City through its various departments is committed to preserving the natural state of all City owned open spaces. By preserving and managing the inventory of land under City control, residents and visitors are able to enjoy these sites knowing they are protected.

Renovations to Park Properties and Recreational Facilities – One of the many benefits from park properties and recreational facilities is that they provide a positive atmosphere for citizens to gather, recreate and for children to play. In an effort to ensure the City's parks and playgrounds are utilized by residents for years to come, each park in Waltham has a long-range plan for renovation to meet the needs of Waltham citizens.

Enhance collaboration efforts with State and Federal Environmental Agencies – Through collaboration with the State and Federal government agencies, various departments within the City are able to apply for and receive grants for park improvements and open space preservation.

Provide Accessible Improvements to Existing Open Spaces and Facilities – Ensuring the City's open spaces and facilities are accessible by all persons is a priority for the City of Waltham. Providing accessible improvements to existing open spaces and facilities increases the number of individuals able to enjoy and access all open spaces and park facilities.

Section 2 Introduction

Statement of Purpose

The purpose of “The 2015 Open Space and Recreation Plan (OSRP)” is to identify a strategic course of action that reinforces the importance of preserving open space in conjunction with enhancing and increasing accessible recreational opportunities. The Plan serves as a guide for the City of Waltham throughout the planning process for proposed projects involving open space and recreation space. In recognition of the importance of protecting and enhancing open space and recreational opportunities, the City of Waltham uses this Plan to inform decision making processes.

Planning Process and Public Participation

The most important part of the OSRP was the input received directly from the community and users of our open space and recreational facilities. This year marks the first year the Planning Department successfully launched an online community input portal. The online and social meeting component was completed in parallel with our traditional outreach using the local newspaper, paper surveys and public meetings. Community members, business owners, residents and youth were able to log on and share their opinion by ranking what was the most important to them. By the end of the first day the survey yielded fifty six (56) responses. Individuals with limited computer access are able to use City computers at the library and the Waltham Community Cultural Center (WCCC). The library, the WCCC and the weekly Waltham Farmer’s Market all had paper surveys available in multiple languages. The Waltham Land Trust, Healthy Waltham and the Waltham Bicycle Committee also reached out to their networks to encourage participation in the survey and the public process.

Community Vision Survey – The Waltham Community Vision Survey was created and advertised via the internet, social media and the Waltham News Tribune. A total of 178 individuals responded to the survey online and voiced their opinions and suggestions for open space and recreation facilities in Waltham. This was the first time the City utilized an internet outlet to gather input from citizens. The response was much larger than anticipated. The survey was also available in paper form and responded to by 23 citizens. Of the 197 total responses the zip code responses were: 02451 (60), 02452 (35) and 02453 (97). It should be noted there were 5 responses from outside Waltham that were not counted. The full survey is attached as *Appendix B*.

Public Meetings - Each public meeting held by the City of Waltham for this Open Space and Recreation Plan, was held in an accessible location and advertised in the News Tribune and the City website. The first meeting was held on September 16th, 2014 at the City of Waltham Arthur J. Clark Government Center; The Second meeting was held November 6th, 2014 at the City of Waltham Arthur J. Clark Government Center.

The first meeting provided an overview of the Commonwealth of Massachusetts’s Executive Office of Energy and Environmental Affairs goals and requirements for an OSRP and the foundation of past reports from 1994, 2000, 2006 and the update from 2010 that this plan is built upon. The final meeting focused on data and comments generated to inform the new ‘Goals and Objectives’ and ‘Five Year Plan’. Both meetings were well attended and had a lot of positive comment and discussion that contributed to the document.

The draft plan was posted for two weeks on the City of Waltham Planning Department and Recreation Department webpage along with printed Plans available in the Planning Department and the library. In addition, to verbal and written feedback, people were able for the first time to submit comments through the internet and positive feedback has been received regarding how convenient and easy the process became with the ‘comment button’.

Twitter, Facebook and Instagram were also used to advertise public meetings for the OSRP. The City of Waltham recently joined Twitter in January 2015 and posts important information for followers to see.

Interdepartmental Consultations – The Planning Department was also able to facilitate meetings between Consolidated Public Works (maintenance responsibilities), and the Recreation Department (custodians of parks and open space) to update current needs of existing open spaces and facilities. The meetings were also attended by a representative from the Historic Commission, Community Preservation Committee and Conservation Commission.

Enhanced Outreach for Environmental Justice Neighborhoods - The City of Waltham Citizen Participation Plan (CPP) was revised in 2014 in order to incorporate enhanced participation from environmental justice populations whose, (1) median annual household income is at or below 65% of the statewide median income (2) where 25% or more residents of a concentrated area are minority (3) where 25% or more of the residents of a concentrated area are foreign born or (4) where 25% or more of the residents in a concentrated area are lacking English language proficiency.

The Citizen Participation Plan specifically:

- Provides for and encourages citizen participation, with emphasis on participation by residents of low, very low, and extremely low income, including minorities and non-English speaking persons, as well as persons with mobility, visual or hearing impairments in all stages of the process;
- Provides citizens with reasonable and timely access to local meetings, information, and records;
- Provides for conveniently timed and located public meetings in the Arthur J. Clark Government Center to obtain citizen views; such hearings shall be held after adequate notice, at times and locations convenient to potential or actual beneficiaries and with accommodation for people with disabilities;
- Provides for a non-English speaking interpreter, should one be requested, for public meetings with non-English speaking participants;
- Provides for participation with the Waltham Housing Authority to encourage the participation of public and assisted housing residents;
- Provides for a timely written answer to written complaints and grievances, within 15 working days.

Outreach and public notification - Due to various factors such as income and language barriers, many constituencies do not have access to the internet in their homes or receive the local newspaper which made it essential to use non-internet outreach for this OSRP in order to ensure participation from environmental justice populations and those who do not wish to use a computer. The local public library, Community Cultural Center and Farmers Market were utilized to advertise the survey and meetings. The Southern Neighborhood District is home to the Waltham Community Cultural Center, an institutional facility serving the community on a daily basis. The Community Vision Survey was available at the Community Center in Spanish and Creole. Translators were also available for both the Survey and the public meetings for residents that do not speak or understand English.

Section 3 Community Setting

Regional Context

Waltham is a densely populated suburb approximately 10 miles west of downtown Boston. Waltham's location has historically been a defining factor in its development. The Charles River, which traverses Waltham, has been a dominant natural resource with important implications for the development of Waltham, whereas Waltham's physical location within the region relative to the man-made transportation network has also been a critical determinant of Waltham's development patterns.

Waltham has developed over the past 150 years from a farming community to manufacturing center to a "high-tech" community. This shift in development has yielded a very diverse housing stock. The South district of the City is populated with older multi-unit dwellings and new condos, while newer condominium complexes cluster in the former farmlands in the northern district of Waltham. Single family homes constitute the majority of the various neighborhoods in the City. The diverse housing stock has allowed a multi-ethnic population throughout the City, immigrating from the Caribbean, Central America and Southeast Asia.

The City has a very strong commercial corridor with businesses lining Moody, Main and River Streets and commercial development of office parks in the 128/Rte. 95 corridor. The business market in Waltham yields a diverse job pool, with numbers of both entry-level and technical blue and white-collar positions. The Median Area Income for Waltham in 2010 was \$66,346.

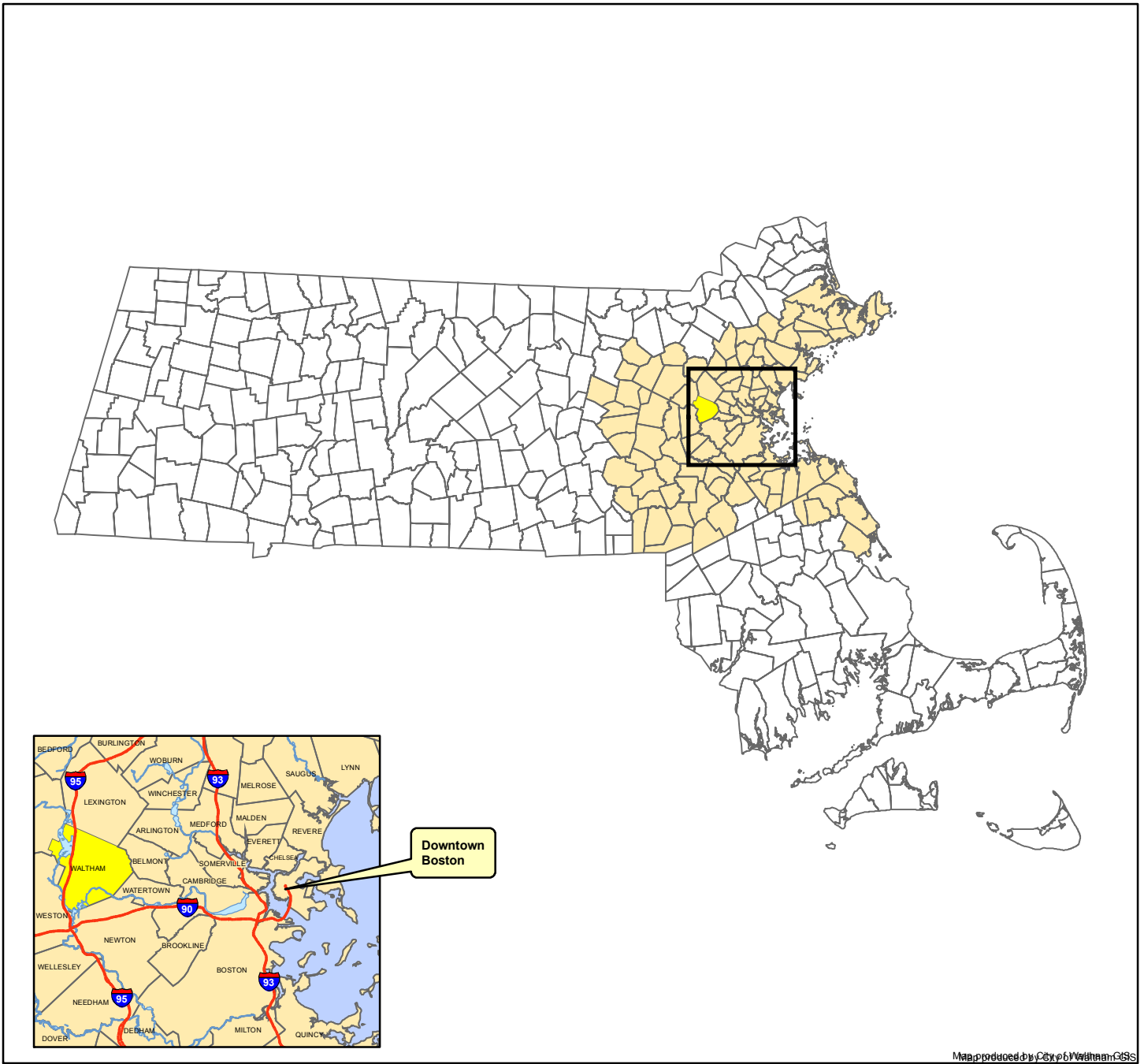
Much of Waltham's land use was dedicated to institutional uses that have regional if not greater scope. State, Regional, Federal and non-profit holdings in Waltham provided critically important uses for the region and even the country. Several State and Federal entities have disposed/sold their excess land to the City, thereby posing open space and recreation opportunities for Waltham as well as the region.

At the end of December 2014, the City acquired the former Fernald Center (189 acres) which is the largest tract of open space within the Route 128 belt. Prior to that, the City had acquired a portion (55 acres) of the former Metropolitan State Hospital (200 acres) which lies in the communities of Waltham, Lexington, and Belmont and which contains wetlands, a forest and other sensitive natural resources. With the combination of City and state money (PARC grant), the City was able to provide a handicap accessible parking facility that serves the 55 acres of open space and recreation area. In collaboration with the state, the City will continue to advance the Metropolitan State Hospital. Additionally, off Trapelo Road, the City has acquired the former state Gaebler Children's Unit (7.35 acres), the former Lot 1 (.31 acres), as well as 385 Trapelo Road (1 acre) and Shady's Pond (34 acres formerly belonging to Our Lady's Church), 81 Arcadia Avenue (.13 acres) and Smith Street wetlands (16 acres). The City has also acquired the former Sanderson Heights (26.26 acres) off Lincoln Street, and a portion of Jericho Hill (6 acres), as well as Chesterbrook Woods (26 acres) off Lexington Street. The City of Waltham is committed to creating open space and recreational opportunities on what was once state institutional land.

Regional Context

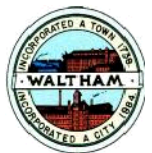
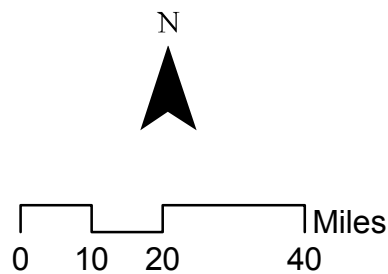
Waltham, MA
2015 Open Space
& Recreation Plan

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Legend

- Major Highway
- Rivers and Streams
- Lakes and Ponds
- City Boundary
- City of Waltham
- MAPC Region
- City Boundary
- City of Waltham



History of Community

When Waltham was incorporated a town in 1738, it was an agricultural community. Neighbors watched carefully over each other in a sparsely populated landscape, forming the first "neighborhoods" at Piety Corner, Pond End, and on Trapelo Road. During this period, Waltham became the gateway to settlements in Sudbury, Weston, and farther west. Main Street was called "The Great Road West" and "The Boston Post Road."

The beginning of the 19th Century witnessed a profound and irrevocable change in Waltham with the opening of the Boston Manufacturing Company (BMC) textile mill in 1813. In 1849, prompted by extensive development near the BMC, the town purchased 600 acres across the river and created what is today known as the, southern neighborhood district. Industry also promoted the growth of neighborhoods along the river, on Charles and Felton Streets to the west of the Common, and on River Street to the east.

From roughly 1820 to 1884, when Waltham became a city, the town experienced rapid population growth. Immigrants from Europe flooded into Waltham to contribute to the industrial labor force. In South Waltham, recreational use of the Charles River was strong. People took advantage of boating, canoeing, fishing and swimming activities. Boat houses and the dance hall, "Nuttings-on-the-Charles", provided centers for riverfront recreation and entertainment.

In 1920 the city established its first zoning ordinance to control development. Waltham's expansion resulting from the Industrial Revolution meant increased development throughout the city to house new residents. The southern neighborhood district was a congested industrial and ethnic neighborhood. Other neighborhoods developed on former farmland, and also appeared north of the river. At this point, the Charles River became neglected; recreational use was at a minimum. The banks of the Charles were unprotected from dumping and encroachment. A former Waltham cement company cleaned its trucks in the river at one time and the river's condition even prompted a malaria scare in the 1930's. However, attitudes started to change in the late 60s and 70s. In 1972, the Federal Government passed the Clean Water Act and Massachusetts followed with the adoption of wetlands regulations.

The opening of I-95/128 in the early 1950's dramatically changed land use in Waltham land use and economic development opportunities along this innovative transportation corridor. Zoning was established to support that growth and job creation. The mosaic of farmland around the City was being replaced by new development.

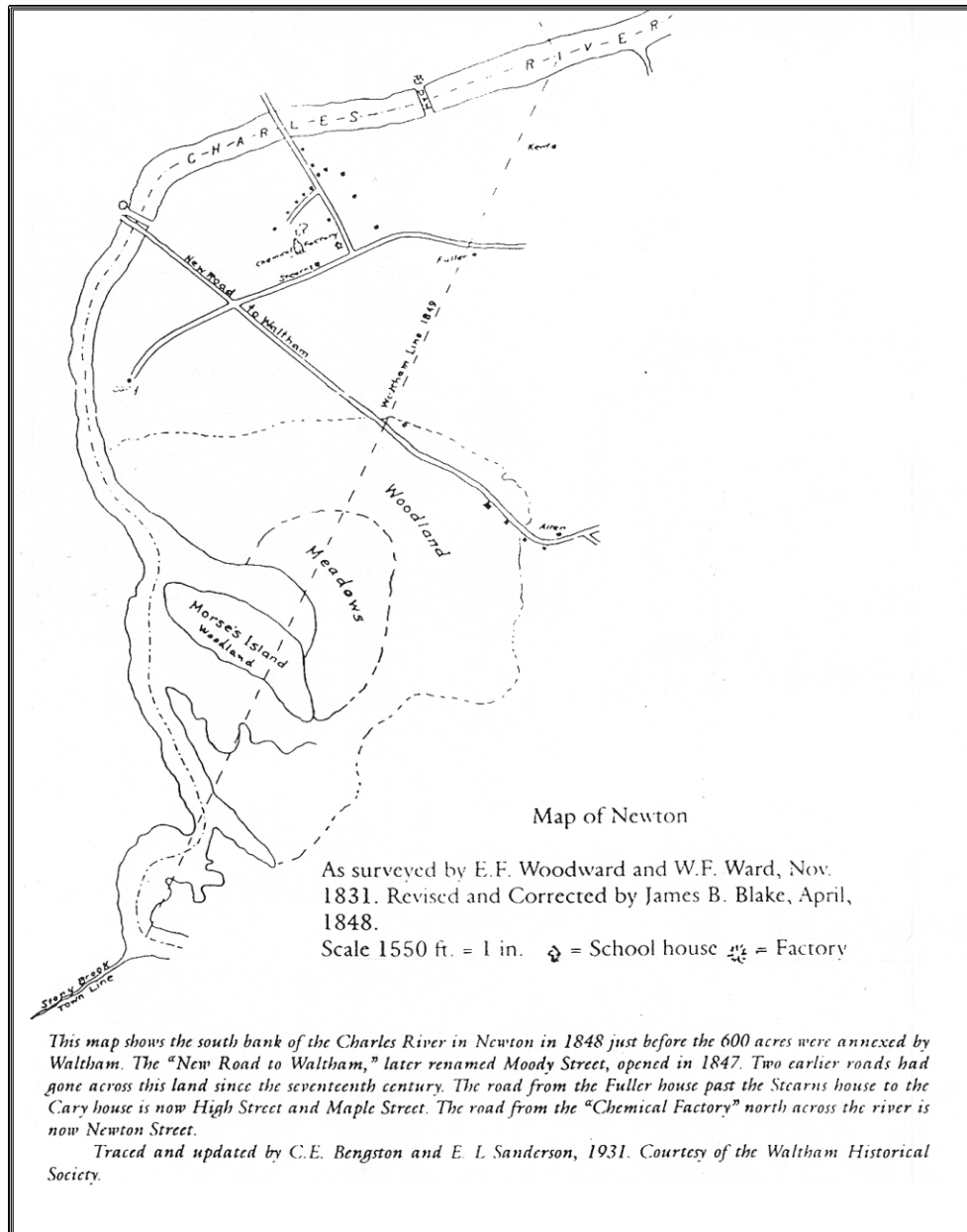
By the 1980's the light industrial and manufacturing facilities that had replaced the farms were now being replaced by corporate office parks and hotels. Today, the I-95/128 transportation corridor continues to bring new opportunity including high tech companies and corporate headquarters to Waltham, serving as an economic engine the way the Charles River had done for the American Industrial Revolution.

A similar renaissance and innovation is now occurring along the Charles River where former Watch factories and Mill Buildings are transformed into popular housing and office space, in walking distance to transit, shopping and entertainment.

Waltham's history and future are rich with innovation and adapting land use to meet current needs while preserving and enhancing key assets that make the community a highly desirable, healthy and economically vibrant City to live or work.

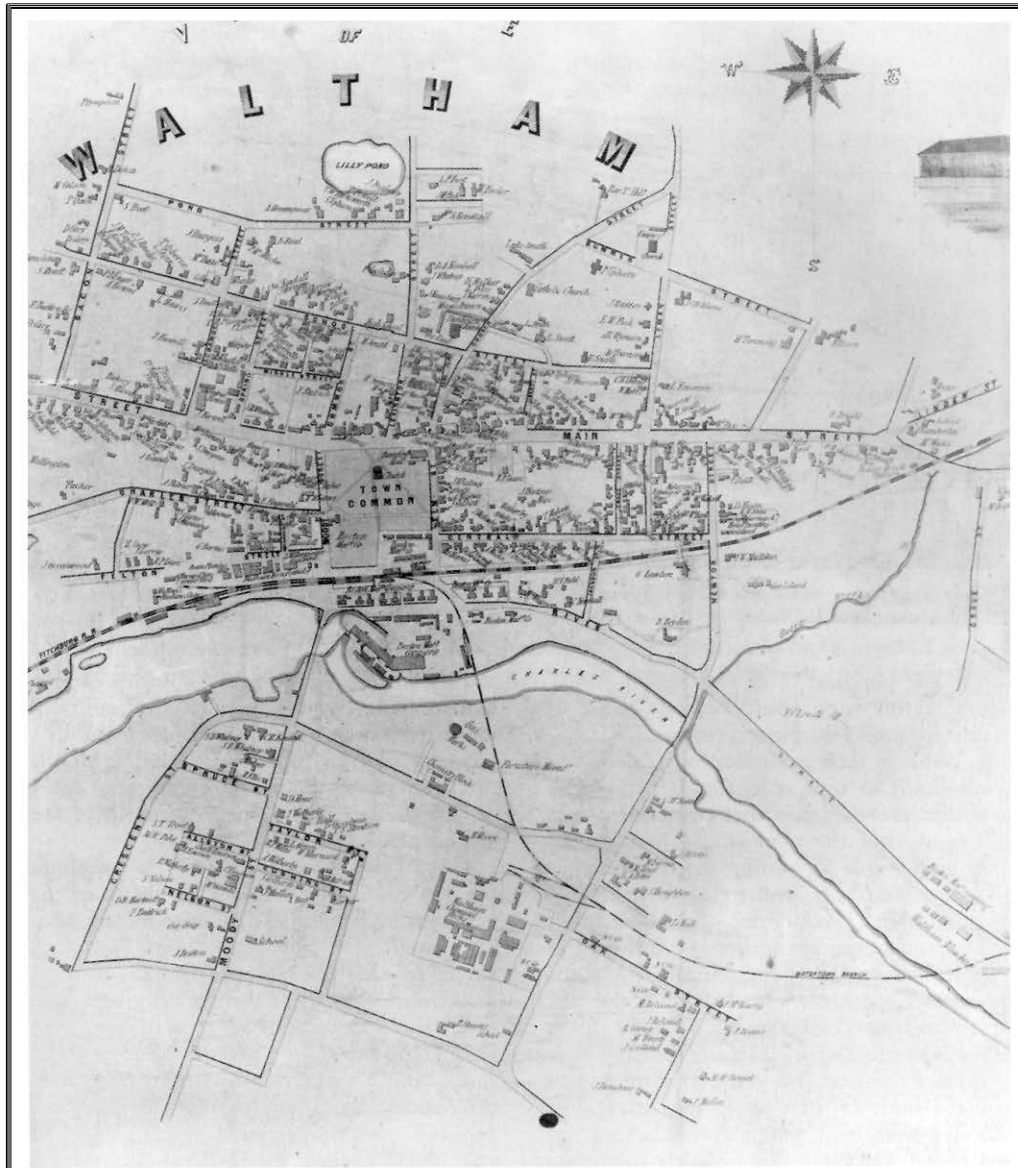
City of Waltham

HISTORIC MAP OF MOODY STREET



City of Waltham

WALTHAM IN 1854

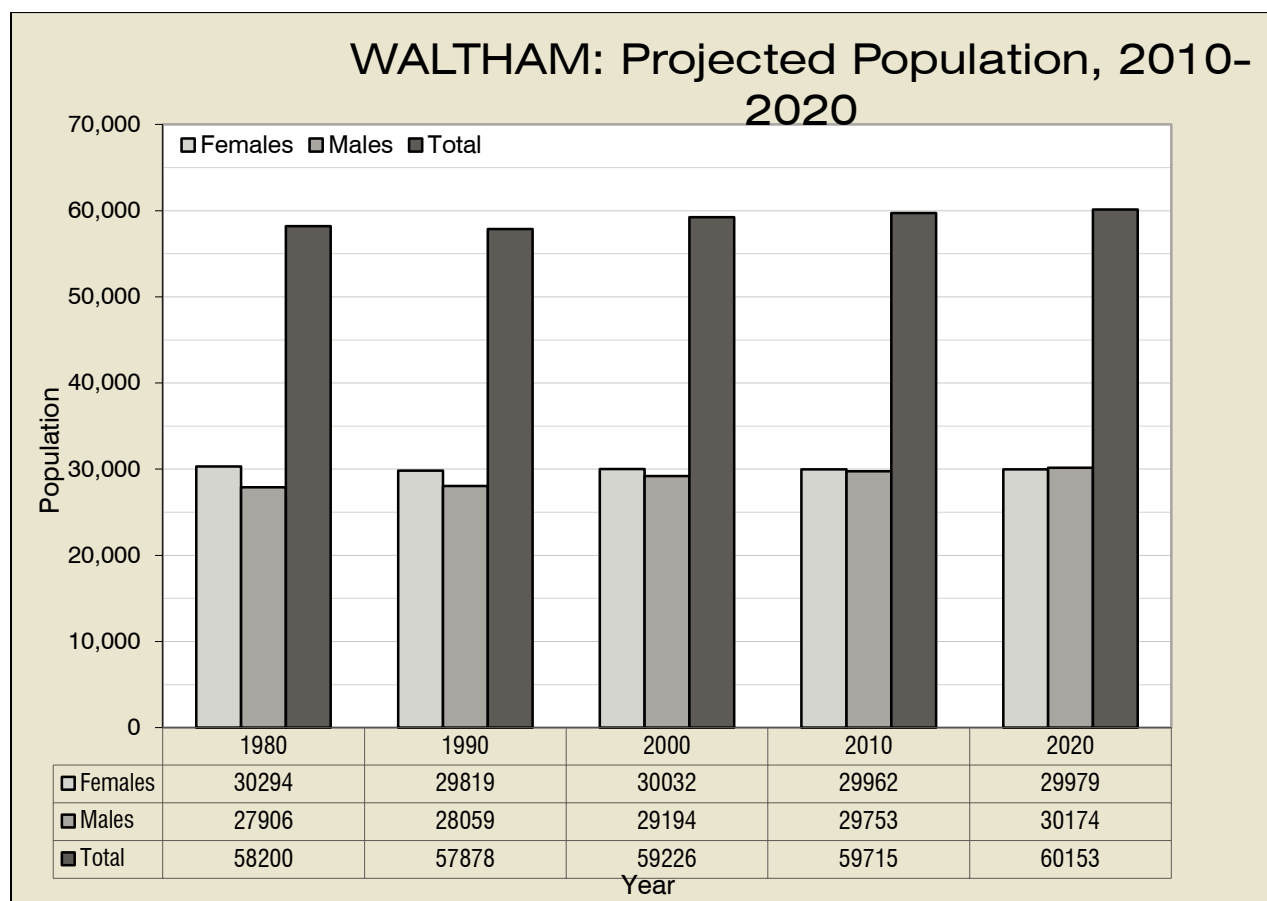


By 1854, when this map was published, settlement of the South Side was well under way. Nelson and Allston streets were renamed when the Watch Company decided to use the names of trees for most of the streets in the factory's residential development west of Moody Street. The first Crescent Street became Adams Street, and a new Crescent Street was constructed closer to the river's edge. Photo courtesy of the Waltham Savings Bank.

Population Characteristics

The estimated population in Waltham for 2013 was 62,227¹ residents, an increase from the April 2010 census population of 60,632. Although population has increased, the number of households has decreased by 3%, leaving a greater opportunity for housing burdens and overcrowding to occur. The 2010 Census captures Waltham's median age to be 33 years with 49.8% of the population being men and 50.2% being women.² Overall 97.5% of the Waltham population claims one race, while 2.5% of the population claims two or more races. The estimated average household income in 2005 was \$76,700 that has decreased over the last 10 years; the median household income in 2014 was estimated to be \$74,198.

The population is projected to increase by nearly another 1,000 persons over the next five years, as shown in *Chart One* below. This trend will increase demand on the existing recreation and open space.



Overall, Waltham had an average estimated population density of 4,575 persons/square mile in 2014. In light of this dense settlement pattern, more recreational and open spaces are needed in the all areas of the City, the densely populated southern environs and the ever-increasing northern population including with the construction of several large over-developed apartment complexes in the northern and other districts.

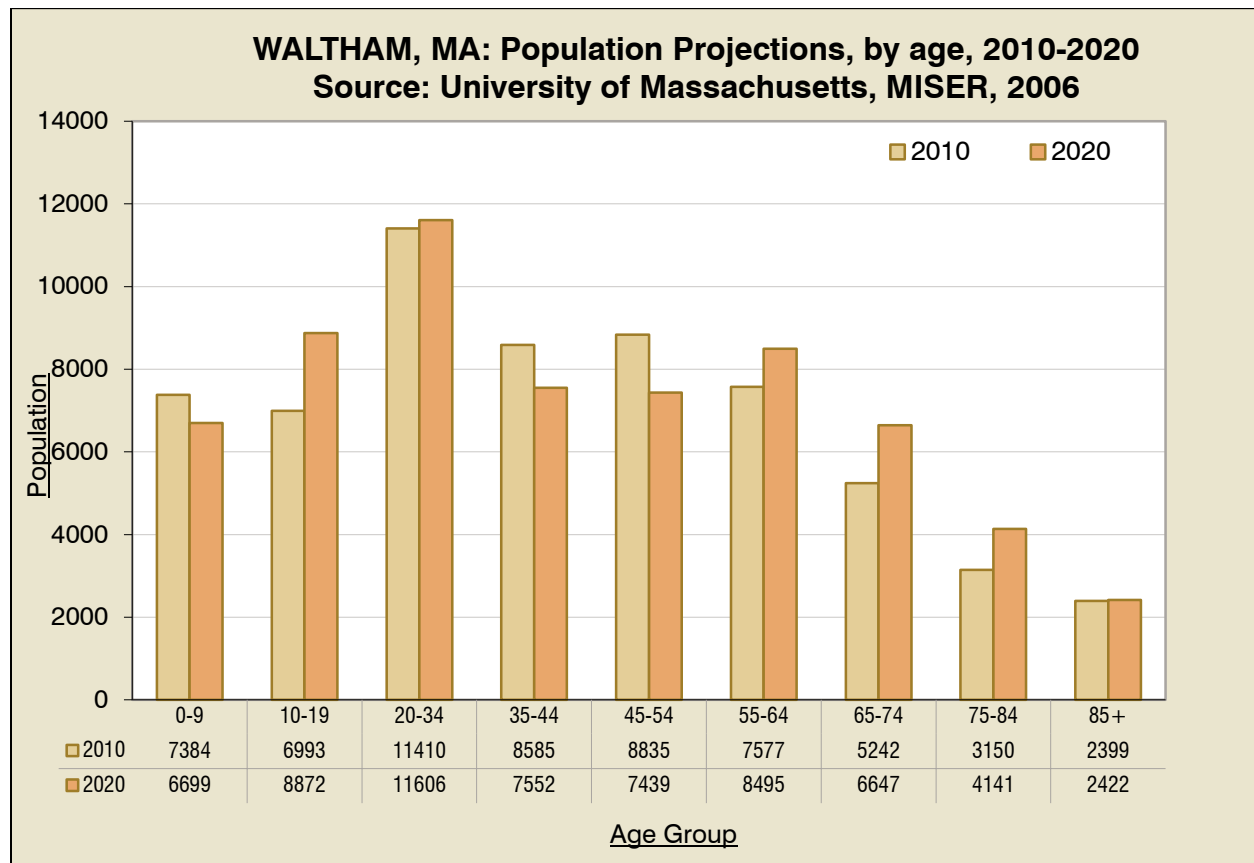
Waltham has also traditionally been home to a large number of "institutional" residents, comprised of students of Brandeis University and Bentley University, as well as people being treated at the many state institutions in the city. Of the 23,690 households in Waltham, 3,755 are males living alone and 5,838 are females living alone, indicating the need for a wide spectrum of recreational facilities suited to the needs of families with children, along with those of individuals living alone.

¹ Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2013 Source: U.S. Census Bureau, Population Division

² Source: U.S. Census Bureau, 2010 Census.

Gauging recreational needs for a city requires examination of the age structure of its population. As Chart Two shows, the three largest age categories in Waltham during 2010 were young adults aged 20-34 years and adults 45-54 years old, followed closely by adults aged 35-44. The presence of Brandeis University and Bentley University accounts for the large young adult population, while demand for young professionals among Waltham's high-technology industries has boosted the number of residents 25-34 years old.

Waltham is projected to gain more people ages 20-34 by 2020. Chart Two shows that adults between the ages of 20 and 44 will account for most of Waltham's growth over the next five years.



These trends indicate a growing need for recreational facilities for adults and seniors, as well as a continued demand for recreational spaces oriented towards children and youth.

Besides being home to over 62,000 residents, Waltham has approximately 6,221 businesses operating within its borders. Waltham has a long history as a manufacturing center for products ranging from textiles to paper to watches. The last two decades have seen a tremendous decline in the city's manufacturing employment, which has fortunately been accompanied by an equally dramatic increase in employment in service sectors. Today, Waltham is a regional center in growing industries centered on information technology, high technology startups, biotechnology, communications, education, consulting services, and manufacturing.

The city's population and resident workforce are growing slowly. Rising incomes, low employment, and rising educational levels point to a workforce increasingly oriented toward managerial, professional, and technical occupations. Yet, there is also a significant and growing immigrant community that has substantial need for workforce development services.

The city has a number of areas designated for commercial and industrial use. The downtown has undergone considerable redevelopment over the last decade and is now home to a thriving restaurant scene. The Route

128/95 corridor has been transformed from predominantly rural and industrial use to a mix of office parks, hotels, and industry.

Projections to 2020 indicate that the city can accommodate expected employment growth. The relative stability of the job total, however, masks an enormous shift in local jobs from manufacturing (and to a lesser extent, government and construction) to Services, Finance/Insurance/Real Estate (FIRE), Transportation/Communications/Utilities (TCPU), and Trade. Although the city retains over 2,744 relatively high-paying manufacturing jobs, manufacturing employment has declined 3,000 since the early 2000s. While this decline reflects national trends in productivity increases and movement of jobs to lower wage locations, manufacturing remains an important part of Waltham's skill base and self-image.

Waltham has fortunately been able to leverage its strategic location along Route 128/95 to make the transition from manufacturing to a service-based economy. As office parks and hotels sprouted along the highway new jobs were created. Many of these new jobs required different skills than the old ones. In the 1990s, Waltham emerged as a regional center for two of the region's leading industry clusters: knowledge-based services (education, professional services) and information technology (computers, software, and IT services). Waltham is home to two well-respected educational institutions: Bentley University and Brandeis University, which are among the largest employers in the city. The largest single employing industry in Waltham in 2014 with over 9,963 jobs was educational services, and health care and social assistance.

Waltham also has a large number of businesses offering entry level and part time positions accessible to workers of limited income or education. For example, the city has a large base of hotels and restaurants, which employ many low-moderate income workers and also support such ancillary services as building maintenance/cleaning services. However, Waltham has relatively fewer jobs than the region in retail and construction industries, which also traditionally have significant need for entry level and inexperienced workers.

For all industries except Arts, Entertainment, and Recreation, a family with two full-time workers earning the industry average could rise above the Low Income level. It should be noted that Waltham's public spaces and recreational facilities are not restricted to residents, but are, in fact, open to everyone. Combined with Waltham's large industrial-commercial workforce, this further increases the demand on the City's open space and facilities.

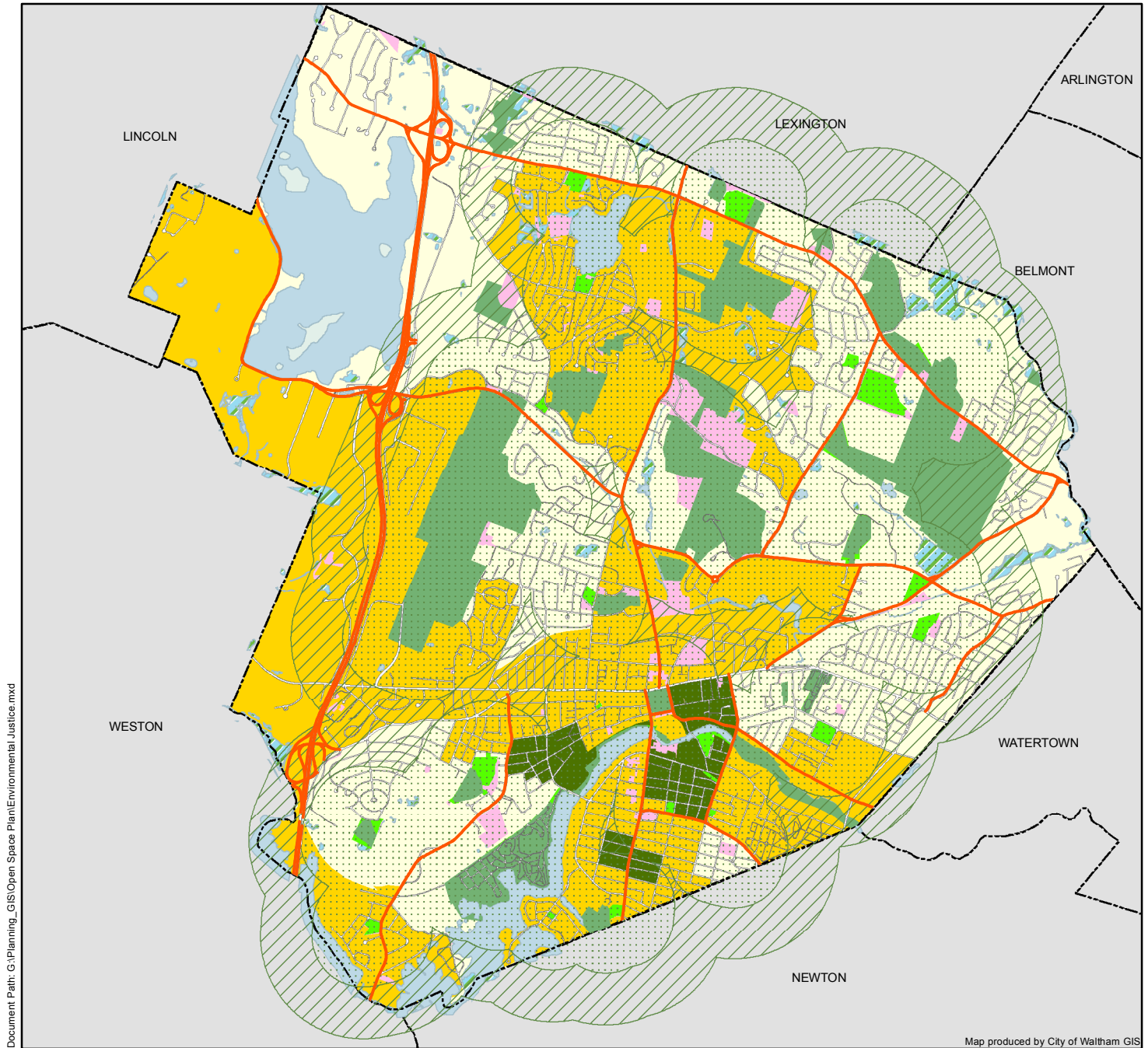
Environmental Justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.³ The City has increasingly made it a priority to provide accessibility for all populations. There are six census tracts with an income at or below 65% of the statewide median income that also have the largest concentration of foreign born citizens lacking English language proficiency.

As the Environmental Justice map shows, the greatest EJ population in Waltham are foreign born citizens and there are concentrations both within the Northern and Southern neighborhoods. The second largest EJ population in Waltham is those which qualify as low income residents. The Commonwealth's emergency housing program utilizes many of the Waltham hotels along I-95/128 and Totten Pond to help displaced families.

³ United States Environmental Protection Agency

Environmental Justice Populations

Waltham, MA
2015 Open Space
& Recreation Plan



Legend

— Main Roads

Distance from city open spaces

1/4 Mile

1/2 Mile

Streets

City Owned Open Space

City Owned Recreation Space

Water Bodies

Upland

Wetland Area

City Boundary

Environmental Justice 2010 Populations

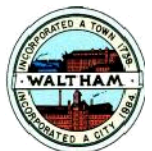
EJ Criteria, by Block Group

Minority

Minority and Income



0 0.25 0.5 1 Miles



Growth and Development Patterns

Patterns and Trends - With the beginning of the 20th Century, Waltham grew into an industrial mill town centered on the Charles River, where what is now downtown Waltham was formed. Downtown Waltham is the municipal center of Waltham, the site of City Hall, municipal administration buildings, the public library and U.S. Post Office branches, as well as various commercial and retail uses. Unfortunately downtown began to see a decline in the 1970s and 1980s with development, as the high technology businesses, clustered along Route 128, brought significant development to North Waltham, away from the city's center. Following a decade of public and private investment, a vibrant downtown has re-emerged with diverse restaurants, shops and housing options. The City has continued to maintain and nurture its economic base as the high-technology hub of the region and intertwined open space, living space and recreation space into the downtown area.

Infrastructure

Transportation:

Transportation in Waltham is abundant and served by a network of highways, arterial roads, regional rapid transit, and a local bus system. Interstate 95 (Route 128) passes through the western edge of the City, and I-90 (the Massachusetts Turnpike) passes very closely to the City borders. Routes 20 and 117 converge from the west and northwest respectively, joining to pass through the city center (Main Street). Other arterials radiate from the center, connecting to neighboring cities and towns.

The MBTA rapid rail transit line passes through Waltham, bringing commuters from the western suburbs and Waltham into Boston and Cambridge; there are two stops in Waltham along the commuter rail, one in Waltham on Carter Street and the other at Brandeis University. The MBTA also operates local and express bus service for Waltham residents and workers with a direct route running into Downtown Boston.

In the fall of 2014, the Waltham's Traffic Commission has adopted a 'Complete Street Policy' that has connected all City departments involved in transportation maintenance, repair or retrofit projects and project development to establish a balanced transportation system with a range of choices for all users. This policy has delivered new facilities and procedures to ensure the Complete Street Policy are implemented regardless of the type of project or opportunity.

In 2014 the City installed our first sharrow/signage bicycle facility on Main Street and our first bicycle lanes on Winter Street with the new procedures that are being established. The City's GIS system is supporting our mapping of healthy transportation networks to help address gaps and make connections that support a balanced transportation system. Waltham is also seeking recognition as a "Bicycle Friendly Community".

Two key healthy transportation off-road networks that are underway include the Wayside Rail Trail and the Western Greenway. The Wayside Rail Trail 3 mile corridor is now owned by DCR and they are working in partnership with the State to advance design and construction. The Western Greenway is a key new asset that connects many key open space and recreational parcels in the City of Waltham, the Town of Lexington and the Town of Belmont. The Western Greenway is seven-miles in length.

Water Supply:

The City of Waltham purchases all of its water directly from the Massachusetts Water Resource Authority (MWRA). The water is delivered through seven (7) MWRA master meters into the City's distribution system. The distribution system consists of the network of pipes, valves, hydrants and service lines. The system delivers water to homes, businesses and other facilities for drinking and other uses. The system is also used for fire protection. Our distribution system is comprised of approximately 170 miles of water mains ranging from four-inch to thirty-inch diameter. There are approximately 1,600 fire hydrants that are owned and maintained by the City. Approximately 3,300 gate valves that allow isolated portions of the system to be shut down for repairs/maintenance. The majority of the City's pipes consist of cast iron and ductile iron pipe, 62% of which are unlined. The city is currently utilizing Capital Improvements funds to make updates to these water mains.

Another consideration for water supply is the fact that the City of Cambridge owns 550 acres encompassing the Hobbs Basin in Waltham, including both land and water resources (the Cambridge Reservoir). In addition, the watershed of this resource covers four square miles of land area in towns adjoining Waltham. This system supplies over 20 million gallons of water per day to Cambridge.

Sewer Service:

For all practical purposes, 99% of the properties in Waltham (both residences and businesses) are served by the municipal sewer system. The City's water and sewer system is made up of approximately 157 miles of water mains, 1,347 fire hydrants, 137 miles of sewer pipes, 4006 sewer manholes, storm drain pipes & catch basins along with 6 (six) pumping stations and 1 (one) booster station. These stations are in operation for those particular sections of the community which cannot achieve gravity flow resulting in necessary pumping.

Our system here in Waltham ties into the Massachusetts Water Resources Authority (MWRA) treatment plants located on the shores of Boston Harbor. The MWRA services nearly half of the State's population (over 2 million people & 43 communities), sending sewage to the Deer Island Treatment Plants.

Currently, the sewer system is under an Administrative Consent Order (ACO) with the Mass DEP, requiring/mandating system improvements to eliminate sewer system overflows. As a result of the ACO, the city has implemented an Infiltration Inflow Mitigation Fee Program to remove extraneous water from the sewer collection system and now maintains a sewer bank as required.

The Water and Sewer Department also administers (2) two MA-DEP programs; Backflow/Cross Connection Control and FOG (fats, oils and grease). In the course of a month 72 water samples are analyzed for mandatory water quality criteria including bacteria, chlorine and sodium. Also, one third (1/3) or at minimum 1559 catch basins are cleaned out each year.

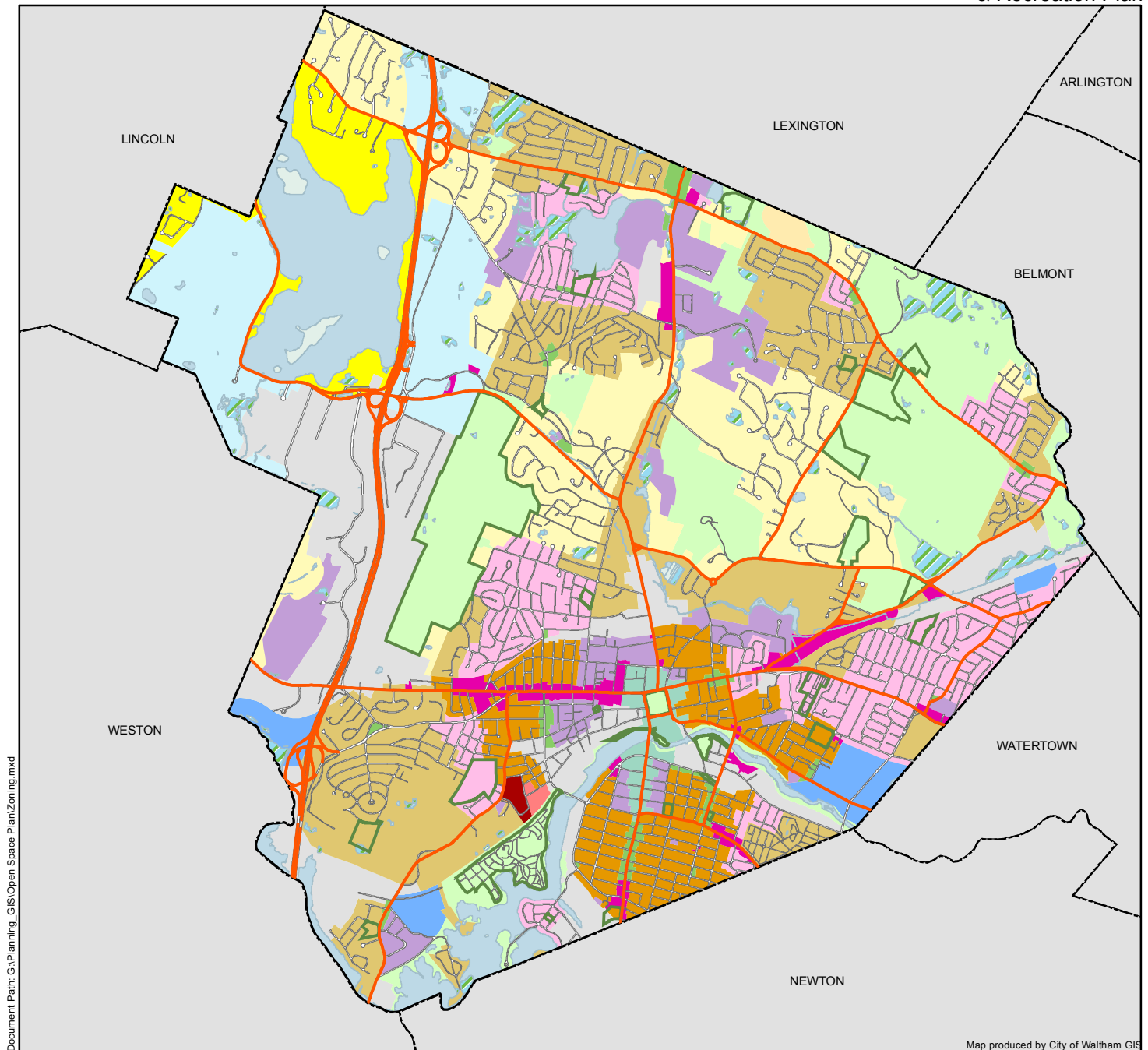
Long Term Development Patterns –Land use in Waltham is controlled by the City's Zoning Ordinances. Open space and conservation areas are protected from development in Waltham by the Conservation/Recreation Zone. All major state holdings, cemeteries, large parks, and state lands are zoned Conservation/Recreation. Conservation/Recreation Zoning allows the following land uses: farms, semi-public outdoor recreation facilities, churches, educational uses, and commercial accessory uses, governmental, and active and passive recreation.

The City Council of Waltham is in the process of updating its Zoning Ordinances and map to reflect changes in land use patterns. During a re-zoning process 1990, the City was able to re-zone the Riverfront District of Waltham to promote a more condensed business zoning district and provide for mixed use.

As a member of the MAPC (Metropolitan Area Planning Council) Inner Core sub region, Waltham is part of a Core Group which meets and discusses common interest and regional open space opportunities.

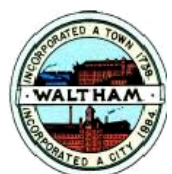
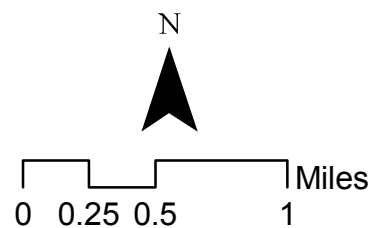
Zoning Map

Waltham, MA
2015 Open Space
& Recreation Plan



Legend

- | | | |
|----------------------------|--------------------------------|-------------------------|
| Main Roads | Business A (BA) | Limited Commercial (LC) |
| Municipal open / rec space | Business B (BB) | Residence A1 (RA1) |
| Streets | Business C (BC) | Residence A2 (RA2) |
| City Boundary | Commercial (C) | Residence A3 (RA3) |
| Water Bodies | Conservation/Recreation (CR) | Residence A4 (RA4) |
| Upland | Hope Ave Redevelopment 1 (HR1) | Residence B (RB) |
| Wetland Area | Hope Ave Redevelopment 2 (HR2) | Residence C (RC) |
| | Industrial (I) | Residence D (RD) |
| | City Boundary | |



Section 4 Environmental Inventory and Analysis

Geology, Soils and Topography

Geology: Waltham falls within the Boston Basin and has the same geological history as the Boston metropolitan region. Some 350 million years ago the Boston Basin was a submerged bay that lay east of a high mountain range, which then characterized east central Massachusetts. The bedrock in Waltham is a result of material that eroded and washed from this mountain range. The heavier pebbles and cobbles from the mountain range settled out first, forming a Roxbury Conglomerate while finer grained sand and clay deposits formed the parent material for the present Cambridge Slate and Sandstone. Throughout the sedimentary rocks are rocks of volcanic origin. Significant areas of the City have rock outcropping and slopes greater than 15%, as shown on the map.

Soils: Soil characteristics influence an area's suitability for different uses but have not been a limiting factor for development, drinking water or wastewater issues. Despite the rich landscape of significant hills with significant slopes (greater 15%) and areas of rock outcrop (as shown on the map), development has occurred due to the highly desirability of the location within the Boston metropolitan area. Generally well drained soils are representative of Waltham making early development easy and much of the historic developments from the industrial revolution are categorized as Urban Land Complex on the map. Agricultural soils played an important part in the history of Waltham that had been the location of numerous small family farms but have all but disappeared with changes in land use and transportation networks since the 1960s. Waltham has pockets of prime and significant agricultural soils left including: Scio very fine sandy loam (3-8 % slopes), Haven silt loam both (0-3% slopes) (3-8% slopes), Sudbury fine sandy loam (3-8% slopes), Tisbury silt loam (3-8% slopes), Scituate fine sandy loam (3-8% slopes) and Canton fine sandy loam (3-8% slopes).

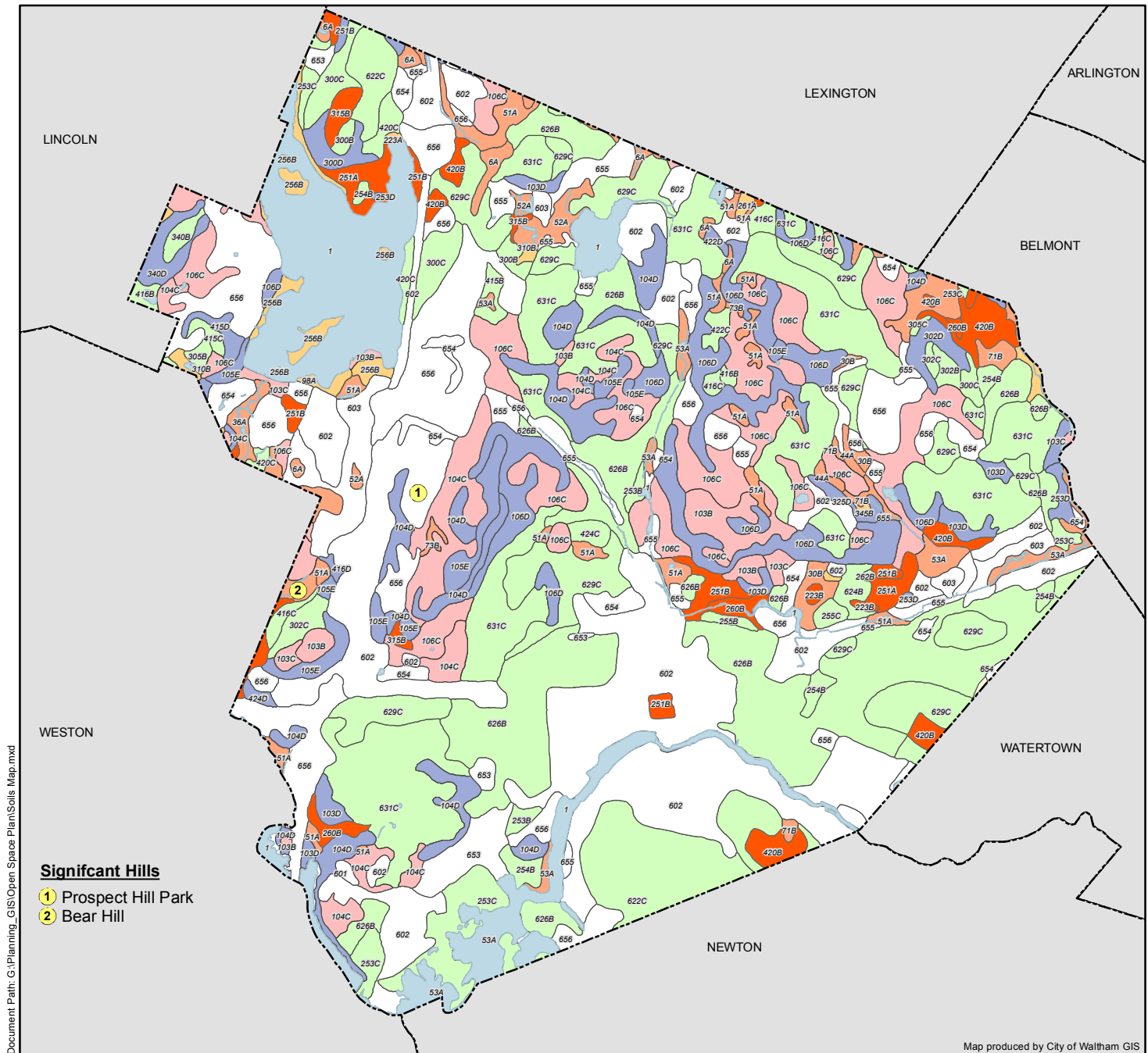
Soil erosion, wetness, and depth may dictate whether a site is appropriate for certain recreational uses, or for construction. Soil type is also an important indicator of a site's potential to support forest trees, and other forms of vegetation. Because of the relationship between soil types and vegetation for wildlife habitat, soil is also an indirect indicator of wildlife suitability.

Topography: Waltham has a variety of topographic relief, ranging from long ridges on the western edges of the city, to fairly steep hills throughout the northern portion, to gentle slopes down to the Charles River valley in the southern portion of the city. Key for Waltham residents are the significant hills that serve as wayfaring points, neighborhood names and scenic landscapes including: Prospect Hill, Mackerel Hill, Trapelo Hill, Jericho Hill, Bear Hill, Owl Hill, Pigeon Hill and Stearns Hill. The highest point in Waltham is at elevation 478 above mean sea level on Prospect Hill, and the lowest point is on the Charles River, at elevation 19 feet, at the Weston line. Bear Hill, Owl Hill and Cedar Hill are just a couple of the hills with elevations above 300 feet. Many of the hills have been developed by institutions, including two colleges, and State and Federal hospitals.

When the last glacier receded from the Boston area approximately 14,000 years ago, it left different forms of surface deposits. The larger hills in Waltham are classified as drumlins, or deposits that were formed under glacial ice. The long axis of the drumlins indicates the general direction of glacial movement. Eskers, which are snake-like layered outwash deposits formed in crevices or in streams under the glacier, can be found on Prospect Hill Park. Outwash plains were formed in front of the glacier by the meandering melt water streams and hardpan. Peat and stream deposits, called alluvial deposits, have been formed since the last glacier.

Soils and Geological Features

Waltham, MA
2015 Open Space
& Recreation Plan

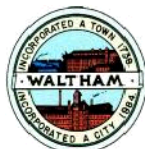


Legend

- Water Bodies
- Prime Agricultural Soils
- Urban Land Complex
- Slopes greater than 15%
- Rock Outcrop
- Well Drained
- Moderately Drained
- Poorly Drained
- City Boundary

This Soil Survey Geographic (SSURGO) data base was produced by the U.S. Department of Agriculture, Natural Resources Conservation Service and cooperating agencies for the Soil Survey of Middlesex County, (MA). The soils were mapped at a scale of 1:62,500 with a 3 acre minimum size delineation. Enlargement of these maps to scales greater than that at which they were originally mapped can cause misunderstanding of the detail of mapping. If enlarged, maps do not show the small areas of contrasting soil that could have been shown at a larger scale. The depicted soil boundaries and interpretations derived from them do not eliminate the need of onsite sampling, testing, and detailed study of specific sites for intensive uses. Thus, this map and its interpretations are intended for planning purposes only. Digital data files are periodically updated. Files are dated, and users are responsible for obtaining the latest version of the data."

0 0.25 0.5 1 Miles



Landscape Character

Waltham has many unique landscape characteristics both natural and man-made that not only define the community but highlight its very innovative and progressive history.

The Charles River is Waltham's most treasured natural feature, in combination with the many brooks that feed into the river creating scenic ponds, lagoons, dams and rapids as it flows through the heart of community. The Charles River and the brooks break the City into smaller landscapes with distinctive site context and scenic interest that are becoming snapshots into the community's past innovative industrial revolution and public health history as housing, commercial and institutional land uses morph to meet the changing needs of the community.

Waltham's hills are the 2nd most unique natural feature that in combination with the Charles River basin define the community's landscape and include Prospect Hill, Mackerel Hill, Trapelo Hill, Jericho Hill, Bear Hill, Owl Hill, Pigeon Hill and Stearns Hill are all distinctive landforms that shape Waltham and create scenic quality. This scenic quality can be maintained and balanced with appropriate development that maintains open space and vistas.

The views to Boston from Prospect Hill Park are the 2nd highest in the Boston Metropolitan area and are actively maintained for enjoyment year round. Not all hilltops in Waltham have retained positive scenic interest. Bear Hill is best known from 128 traffic reports as a point of congestion that is marked by a forest of antenna towers and has very limited public access.

Active conservation organizations, such as the Waltham Land Trust, the Hardy Pond Association, Prospect Hill Park Advocacy Group, Beaver Brook Watershed Association and the Charles River Watershed Association, as well as the Conservation Commission, have been key in collaborating with the City of Waltham and the State on a shared vision to support public access and connectivity of open space.

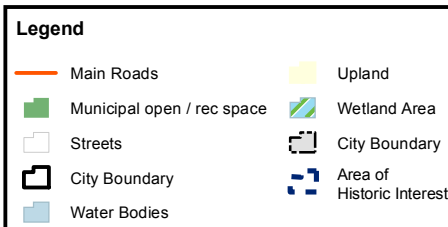
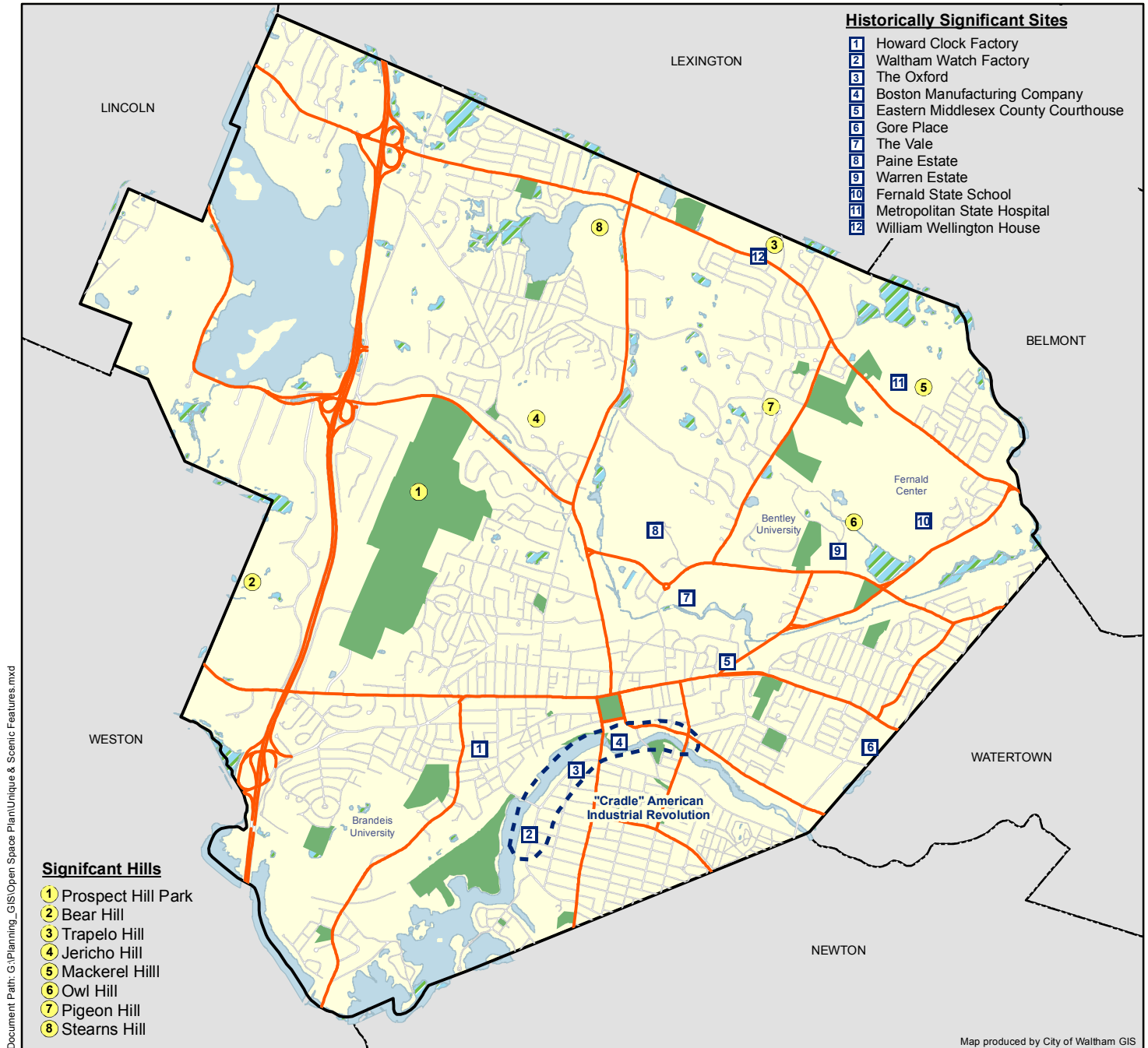
The Charles River basin and the innovative quality of Waltham residents established the community as the 'cradle' of the American Industrial Revolution. This transformed the natural landscape of the Charles River with manmade features such as mill buildings, dams and smokestacks. These architectural remnants of this significant historic landscape are regarded as scenic features for preservation and include: the Waltham Watch Factory, the Mill Building and smokestack, and the Moody Street bridge/dam. These elements are being transformed into housing; innovative commercial uses with expanded public access to the Charles River Reservation that connects Moody Street in Waltham to downtown Boston.

Another scenic and historic landscape of note is along Trapelo Road where the former Metropolitan State Hospital, the Middlesex County Hospital (demolished), the Gaebler Children's Hospital (demolished), the Walter E. Fernald Developmental Center (closed) and the Murphy Army Corp Hospital (demolished) developed outside the urban core of the Boston to be able to incorporate natural environments into patient therapies. Most of the site plans featured administrative and hospital buildings set into large tracts of woods and open space, that when closed are reused often for public use and enjoyment.

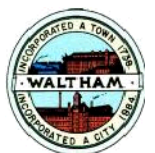
Examples of successes include, the Murphy Army Corp Hospital that is now home to the Veterans Memorial Athletic Complex consisting of multiuse sports fields, ball fields, a walking track and field house. The Gaebler site and the Metropolitan site provide a significant track of open space that is used by a variety of users not only from Waltham but Lexington and Belmont and can be traversed by the Western Greenway or the Metropolitan Parkway that features off-road multi-use trail.

Unique & Scenic Features

Waltham, MA
2015 Open Space
& Recreation Plan



0 0.2750.55 1.1 Miles



Water Resources

The total water surface in Waltham is 728 acres, or approximately nine percent of the City's total area. This includes the Hobbs Brook Basin, the Charles River, Hardy Pond, the Chester Brook, and Lyman Ponds.

Waltham is located in the Charles River Watershed. The western third of the city is part of the Stony Brook sub watershed, with water flowing from Lincoln and Weston through Waltham before entering the Charles at the southwestern tip of the city. There are two large impoundments along this system, where water is held in reservoirs for transport to the City of Cambridge. These two reservoirs, built in the 1880s, are called Stony Brook Basin and the Hobbs Brook Basin (Cambridge Reservoir). Twenty-eight percent of Waltham is in the Stony Brook Watershed.

The eastern two-thirds of the city is part of the Beaver Brook sub watershed, which drains runoff from neighboring Arlington, Lexington and Belmont down to Linden Street to a discharge point below the Moody Street dam into the Charles. Beaver Brook has two sub watersheds called Chester Brook and West Chester Brook, both of which flow north to south through the central portion of Waltham. These brooks have been the cause of flooding at certain points where the channels pass through pipes and culverts.

Waltham used to pump water from wells close to the Charles River to supply domestic and local industry needs. However, since this drawdown caused problems for downstream water users, the City became a part of the DCR system many years ago.

Residences surround Hardy Pond, located in the northern portion of the city. The water area of Hardy Pond is approximately 47 acres. Over many years, the pond had become filled with silt, increasing light in the pond and thus weeds. This killed much of the wildlife within, a process known as eutrophication. The pond has been dredged in order to increase the pond's depth and remove the nutrients that have prompted the weed growth. Increasing the water depth would allow the pond to be used again for water-based recreational opportunities. Motor boating at Hardy Pond has been prohibited for environmental reasons.

Waltham's wetlands were mapped in 1988 as part of The Open Space and Recreation Plan. The work involved the compilation of several sources of existing wetlands, including the National Wetlands Inventory of the US Fish and Wildlife Service, the interim Soil Survey by the Soil Conservation Service, US Geological Survey maps, City of Waltham topographic maps, and the Flood Insurance Rate Maps of the Federal Emergency Management Agency.

Areas of the city with major wetlands are the Metropolitan State Hospital site, Prospect Hill Park, along the banks of the Charles River, and Beaver and Clematis Brooks. Many of the smaller wetlands in Waltham are not sufficiently mapped and should be mapped as part of this plan's action items.

Another important wetland resource is the whole network of smaller streams, with their associated flood plains and wetlands. Included are the tributaries of the Beaver Brook and Chester Brook, and various other upland wetlands. A permanent brook that drains into the Charles, the Beaver Brook runs along the eastern edge of the former Metropolitan State Hospital property. These natural areas are important for the variety of roles they play to help create a balance between urban development and the natural environment. These water systems are necessary to prevent flooding of developed areas, to protect water quality for downstream users, to serve as a habitat for wildlife, and for a variety of other ecological functions.

Vernal pools are known on the Metropolitan State Hospital property, and others exist at Prospect Hill Park. Vernal pools are small water bodies that appear in the spring and dry up during the rest of the year. They support a great deal of plant and other wildlife and are important breeding areas for salamanders, toads, and frogs. Because of their value to wildlife, these pools can receive special protection under State Wetlands Protection laws. The Natural Heritage and Endangered Species Program of the Division of Fisheries and Wildlife established a certification process for vernal pools. Certified vernal pools are protected from development. Certification is determined by basic information, such as the location of the pool, the amount of water it holds, the length of time the pool is full, the established absence of a fish population, and the presence of any species listed in the vernal pool certification criteria are needed. There are 9 certified vernal

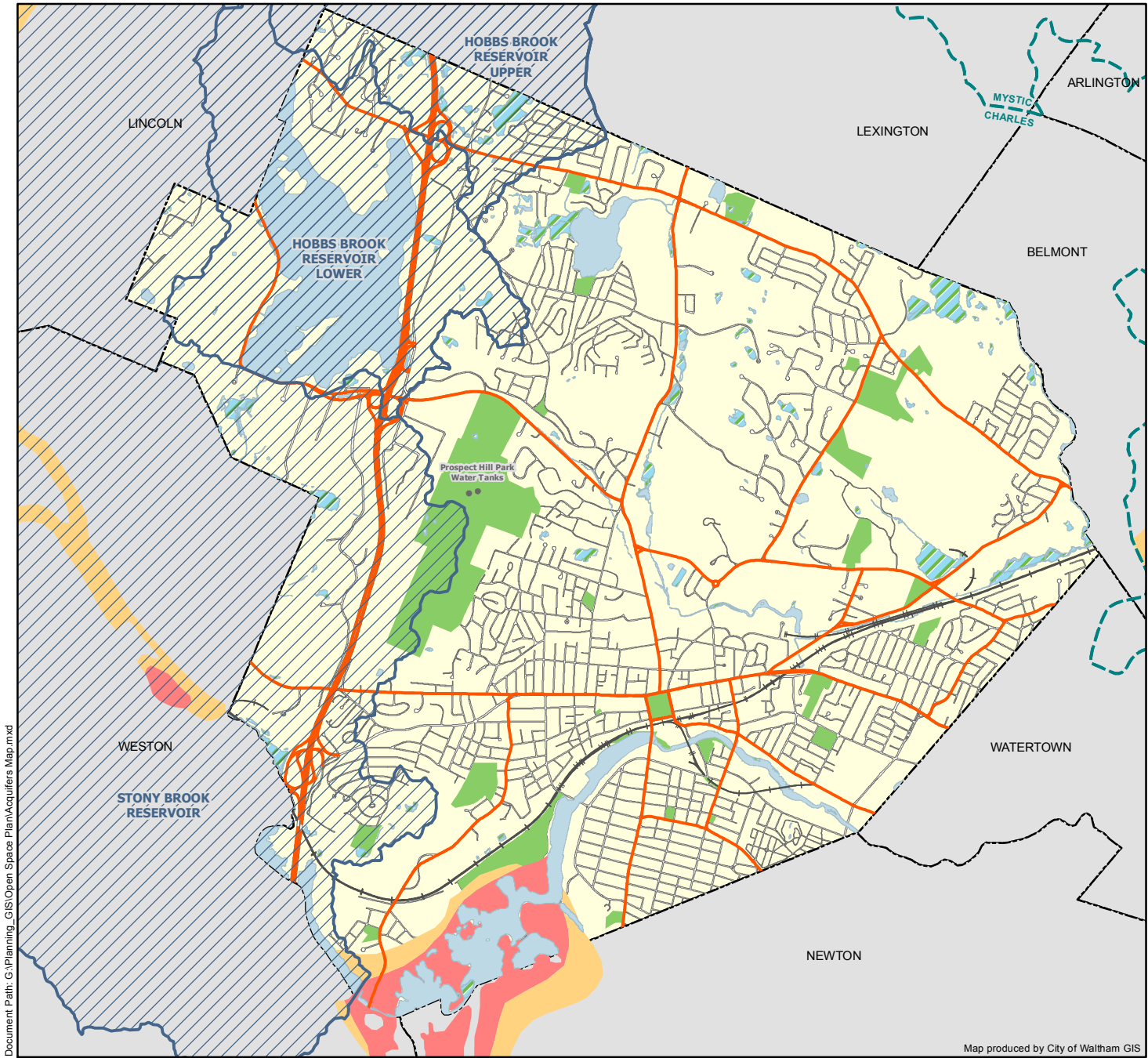
pools within the city of Waltham and there are approximately 33 potentially certifiable vernal pools as well, located on public and private properties. Waltham consists of 13.56 square miles or 7,950 acres with 728 acres of water surface.

The Water Supply and Sewer Service in Waltham are provided by the Massachusetts Water Resources Authority (MWRA) to the city. For all practical purposes, 99% of the properties in Waltham receive these services. Another water supply consideration is the fact that the City of Cambridge owns 550 acres encompassing the Hobbs Basin in Waltham, including both land and water resources (the Cambridge Reservoir). In addition, the watershed of this resource covers four square miles of land area in towns adjoining Waltham. This system supplies over 20 million gallons of water per day to Cambridge

Flood Hazard Areas in Waltham are noted on the nine FEMA Maps that cover the community. Areas adjacent to the Cambridge Reservoir, Hardy Pond, Chester Brook, Clematis Brook, Beaver Brook, Lyman Pond and the Charles River are highlighted on the FEMA's National Flood Hazard Layer. Flooding on Waverly Oaks Road has blocked the roadway near Beaver Street and around the MassCentral Trestle Bridge, impacting access to businesses and neighborhoods.

Water Resources

Waltham, MA
2015 Open Space
& Recreation Plan



Legend

Main Roads

Rail Lines

Charles and Mystic River Watershed Boundary

Surface Water Supply Watersheds

Water Tanks

Wetland Area

Water

Municipal open / rec space

Streets

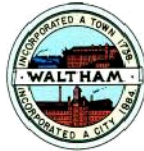
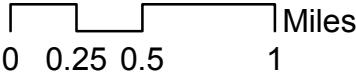
City Boundary

Aquifers

High Yield

Medium Yield

Low Yield



Vegetation

The Charles River basin and some of the larger institutional parcels throughout the city, such as the Metropolitan State Hospital (Met State site) have large sections of forested land. The Met State site has one of the only mature forests left within the 128 expressway. Stonehurst, the Robert Treat Paine Estate and Prospect Hill Park are both owned by the City of Waltham and feature forest and meadow. These lands are protected by the City of Waltham and feature marked trails that can be used year round by the public. These forested areas provide opportunities for hiking, bird watching, picnics, and nature study. Many of the areas are enjoyed in the winter for informal snow-shoeing and cross-country skiing. The City continually explores grant-funding opportunities at the State and Federal levels to improve awareness and access to the existing trail networks.

Public shade trees are a living public resource that we try to maintain and encourage in the City of Waltham. Whether they are pure street trees, park trees or historic trees in a local cemetery, they are part of the urban canopy that contributing to a healthy community.

There are (2) two ordinance specific to trees within our zoning code and these are referenced; *Sec. 5.4 Design of parking areas for more than five cars*; it's required that trees with a minimum size of 3 ½ inches in diameter (measured six inches from ground level) shall be provided at the rate of one for every 10 cars. Under *Sec. 8.5 Site development criteria for riverfront parks, walkways and similar publicly accessible areas along the riverfront*; a list of recommended plant material provided that includes Red Maples, River Birch, Sweetgum, and Red Oak.

Aside from the ordinances, Municipal departments try to protect existing public trees during routine maintenance and seek opportunities add new plantings, especially parks and open space restorations.

On the Metropolitan State Hospital property, there are four classifications of plant communities: oak/hickory forest, marshes and wet meadows, red maple swamp, and open dry areas. Several of the trees in the forested areas of Met State exceed 100 years of age, with the majority in excess of 75 years old. The City continues to collaborate with the DCR to preserve approximately 220 acres of the Metropolitan State Hospital property as a public open space reservation. Access to the site can be made by vehicle on the parkway road or by bicycle on the multi-use path parallel to the parkway. At the heart of the site there is a new parking lot created by the City of Waltham in partnership with DCR that allows access to the trailheads and open space. Design and construction costs were paid for with a PARC grant from EOEEA and City of Waltham funds.

Waltham's forest vegetation is typical of the Society of American Foresters Natural Forest Vegetation Zone 4: Central Hardwoods-Hemlock-White Pine. The important hardwoods in Zone 4 include black oak, red oak, white oak, and shagbark and bitternut hickories. Red maple, chestnut oak, scarlet oak, and black birch is less abundant. Hemlock is the most common softwood in this zone and white pine is relatively abundant on sandy sites. The Metropolitan State Hospital site has an Oak/Hickory Forest Community with 75-95 year old trees dominating the woodland. Red oak is the most common species. White oak, red maple, hickories, and black birch are also present in significant numbers. Prospect Hill has a variety of species, including red maple, swamp and red oak, shellbark hickory, black cherry, white pine, American elm, and bitternut hickory spruce. A detailed inventory of the park's vegetation was conducted in 1997 as part of an overall master plan.

Marshes and Wet Meadows exist at Prospect Hill Park and the Metropolitan State Hospital site as well as Hardy Pond and Beaver Brook. At these sites, soils that are wet during most of the growing season support cattail stands and extensive grassy areas. At the Met State site, in areas where the soil dries out during part of the year, a variety of wildflowers flourishes including: swamp candle, tear-thumb, joe-pye weed, purple loosestrife, vervain, and goldenrod. Prevalent shrubs in this area are silky dogwood, elderberry, and meadowsweet. Marshes and wet meadows are protected by wetland restrictions and provisions of the Massachusetts Wetland Protection Act. Red maple swamps are located at the Met State site where soils are saturated only during the spring to create a forested wetland. Red maple is the dominant species in this community. Swamp white azalea, sweet pepperbush, highbush blueberry, and spice bush forming a shrub

understory. Fern species are prevalent on the swamp floor with jewelweed being a prevalent wildflower. In fewer numbers, Canada lily, star-flowered Solomon's seal, and Indian cucumber root grow in secluded locations off the cinder trails. Most of the red maple swamp acreage is protected by wetland restrictions and provisions of the Massachusetts Wetland Protection Act.

The Natural Heritage Program lists the following rare, threatened or endangered vegetative species in Waltham. The forest and red maple swamp communities are rare within the Boston metropolitan area and should be preserved as a natural resource.

RARE SPECIES OCCURRENCE LIST FOR CITY OF WALTHAM				
Taxonomic Group	Scientific Name	Common Name	MESA Status	Most Recent Observation
Amphibian	Ambystoma laterale	Blue-spotted Salamander	T	2013
Amphibian	Ambystoma opacum	Marbled Salamander	T	1800s
Vascular Plant	Asclepias verticillata	Linear-leaved Milkweed	T	2009
Beetle	Cicindela purpurea	Cow Path Tiger Beetle	SC	1897
Beetle	Cicindela rufiventris hentzii	Eastern Red-bellied Tiger Beetle	T	1892
Bird	Circus cyaneus	Northern Harrier	T	2007
Crustacean	Eubbranchipus intricatus	Intricate Fairy Shrimp	SC	1904
Vascular Plant	Houstonia longifolia	Long-leaved Bluet	E	1910
Vascular Plant	Linum medium var. texanum	Rigid Flax	T	1908
Vascular Plant	Ludwigia sphaerocarpa	Round-fruited False-loosestrife	E	1881
Dragonfly/Damselfly	Neurocordulia obsoleta	Umber Shadowdragon	SC	1997
Vascular Plant	Oxalis violacea	Violet Wood-sorrel	E	1883
Vascular Plant	Platanthera flava var. herbiola	Pale Green Orchis	T	1886
Dragonfly/Damselfly	Rhionaeschna mutata	Spatterdock Darner	SC	2010
Bird	Vermivora chrysoptera	Golden-winged Warbler	E	1906

T – Threatened
E – Endangered
C - Special Concern

Fisheries and Wildlife

Given substantial development of land in Waltham for residential, commercial and industrial uses the existing wildlife includes species that are adaptable to these conditions and green corridors help their movements.

Mammals such as opossum, eastern chipmunk, raccoon, striped skunk, woodchuck, eastern cottontail, and gray squirrel live throughout Waltham. Red fox, white-tailed deer, gray fox, and weasel have been sighted at the larger, open space areas in the city. With several rivers, brooks, ponds and the large Cambridge reservoir, there is a significant number of waterfowl species that either nest in Waltham or use the water bodies as stopover locations during migration. Some rare ducks have been sighted at Hardy Pond, according to observers who reported to the Massachusetts Audubon Society. Northern Harriers are occasional visitors to Hardy Pond since 2007. Blue herons have been sighted at various areas including in the Charles River corridor and Chester Brook. Other species of note sighted in Waltham include: bald eagle, northern saw whet owl, goldeneyes, juncos, ringnecks, great cormorant, northern shoveler, coopers hawk, hooded merganser, bufflehead, wood thrush, goldfinch, great blue heron, oriole, red tailed hawk, red billed woodpecker, Carolina wren, cardinal and chickadees.

A study conducted by the Massachusetts Division of Fisheries and Game in 1969 reported the following species from Beaver Brook: redbfin pickerel, largemouth bass, yellow perch, swamp darter, pumpkinseed, banded sunfish, black crappie, brown bullhead, golden shiner, carp, white sucker, creek chubsucker, and American eel.

On the Metropolitan State Hospital site the following reptiles and amphibians have been reported: American toad, wood frog, spring peeper, green frog, red-back salamander, garter snake, milk snake, and snapping turtle.

A strong network of wildlife corridors exists within in Waltham. The Charles River provides the primary wildlife corridor in the city with connections to undeveloped wooded areas and open space. On the north side of the city, large tracts of Federal and State land create habitat protection and a means to move undisturbed through the community. Dan Driscoll from DCR commissioned a study of Met State in the 2000s documenting the environmentally significant forest land and species.

The Waltham Land Trust has been working with other local and state agencies to advocate for the preservation of this corridor, naming it the Western Greenway and conducting public outreach to educate and build awareness and stewardship among the local communities. The Trust has developed graphics and public information outlining the key properties that make up the greenway and list available amenities.

Noteworthy migrant birds that have been seen from the Met State site are ruby-throated hummingbird, Virginia and sora rails, northern shrike, fox sparrow and rusty blackbird, and hawks. The thermal currents near Mackerel Hill are popular with birds of prey including peregrine falcons that are often seen on their migration.

The following scenic resources and unique environments are those places that contribute to Waltham's character and are considered significant sites by its residents that should be preserved. However, many of these places have environmental problems and are not permanently protected as open space.

Scenic Resources and Unique Environments

There are no official state-designated scenic landscapes in Waltham, although many have the potential to be listed. Both Mackerel Hill, on the Metropolitan State Hospital site, and Prospect Hill (485'), in Prospect Hill Park, provide spectacular views of the Boston region. Residents from Waltham and the surrounding area enjoy both the hike and vista these two noteworthy hilltops afford.

The Beaver Brook corridor and reservation (38 acres) is enjoyed by people throughout the region for passive recreation. This water resource is the home to an abundance of wildlife and is a critical link in a

contiguous system of open spaces. Through seasonal weed harvesting the river is remaining open. The Charles River Lakes Area (Maple Cove, Sandy Hook, and Purgatory Cove) is one of the most scenic areas in the entire river corridor.

Hardy Pond is a 43-acre great pond that had been undergoing an eutrophication process which has been stopped through joint efforts of the City of Waltham and the Hardy Pond Association. Lacking a sufficient water depth, the pond was dredged to return it to its former state as a scenic and recreational resource in a dense, residential area.

Waltham is home to a number of historic buildings and grounds that are open to the public. The Lyman Estate, Gore Estate and Stonehurst - The Robert Treat Paine Estate are three historic homes in Waltham and with gardens and woods.

Stonehurst - The Robert Treat Paine Estate site plan and grounds were designed by Frederic Law Olmsted. From the brick terrace at the back of the house, there is a panoramic view of the area. The property owned and operated by the City of Waltham.

The City has acquired the Wellington House, a country residence dating to the revolutionary war period. The structure is an excellent example of Georgian architecture. A historic structures report was completed to assess the building and provide restoration guidelines, which have begun.

The former Metropolitan State Hospital Administration Building is listed on the National Register of Historic Places (NHRP – Ref No. 93001482). The front lawn of the hospital campus, which runs along Trapelo Road, with its mature trees and landscaping, contributes to Waltham's character. During the reuse planning process, it has been a priority to preserve the front lawn area from development.

The Moody Street Dam, Landry Park, and the Frances Cabot Mill Building are important elements in the character of the downtown area and the history of Waltham. The Moody Street Bridge, which connects the Moody Street commercial core with the Waltham Common and Main Street, passes over the dam and waterfall adjacent to the historic mill building which houses the Charles River Museum of Industry. On the other side of the bridge is the DCR Riverwalk, a linear park with a multi-use pathway connecting downtown Boston with downtown Waltham.

The University of Massachusetts operates an agricultural field station in Waltham. Until a few years ago, the Extension Service of the Agricultural School was located along Beaver Street. The farm land is still used by the Waltham Fields Community Farm, which grows organic vegetables for hunger relief organizations, provides educational programs about farming to school groups and has a vibrant CSA (Community Supported Agriculture). Additional acreage is used by the Waltham Community Gardens, which rents land to any Waltham resident for planting flowers and vegetables. This group offers a much-needed opportunity to garden for the large percentage of apartment dwellers in the city. The University of Massachusetts seeks to transform the site into the new Center for Urban Sustainability that will provide education for agricultural business to remain economically and environmentally viable and preserve our natural assets. This will be a great resource for Waltham as well as people throughout the Commonwealth. If the University ever should decide to relinquish the property, the City of Waltham should acquire and preserve the site.

Unique Environments and Critical Resources: The Areas for Critical Environmental Concern (ACEC) Program is used to identify and protect areas of regional or statewide significance, ranging from wetlands and wildlife habitats to farmland and scenic landscapes. Areas in Waltham with a combination of critical resources include: Prospect Hill Park and the Metropolitan State Hospital site (DCR reservation area). Both of these areas contain important wildlife and natural areas, such as red maple swamps, vernal pools and wetlands. Land known as Berry Park f/k/a Berry Farm, a 20-acre parcel wedged between the former Polaroid site and Prospect Hill Park has been long valued by the community. As the name suggests it was agricultural until the mid-19th century and now hosts a mature, second-growth oak-hickory woods including notable specimens of white oak, chestnut oak, shagbark hickory, maple, white birch and white

pine. While most trees are about 80 years old, there are several specimens of white oak and white pine that are probably about 150 years old. The understory is covered with shade plants - ferns, ivy, solomon seal, hostas and mosses. A well-used trail system winds around numerous rock outcrops, making the area both interesting and challenging to hikers. The City will be acquiring the Berry Park parcel shortly by gift deed.

Waltham's most unique geological features that are the prominent in Prospect Hill Park, where exposed outcroppings are known as Big Prospect and Little Prospect. The higher summit, Big Prospect is the second highest point in the vicinity of Boston at 485 feet. The lower summit, which measures 435 feet is known as Little Prospect. In addition, Dinosaur Rock is a very popular attraction within the park located off a hiking trail named for the rock.

Environmental Challenges

The Department of Environmental Protection (DEP) has 88 officially designated hazardous waste sites listed in the city; however, only one is considered serious enough to be a potential public threat. Cleanup of that site, 411 Waverly Oaks Road, which is contaminated with petroleum, has been ongoing for over 20 years. The property was originally cited as a threat to bordering wetlands, but experts say that this is no longer the case.

Hazardous waste - The relatively large number of hazardous waste sites in Waltham is undoubtedly attributable to its industrial history. The remaining DEP sites are listed as "non-priority", (23) meaning that the site does not currently pose a significant risk to human or environmental health, but could if preventative measures are not taken or current practices are not stopped, or "pre-classified" (64), which means the site is suspected of containing hazardous waste material but has not yet been thoroughly investigated.

Illegal dumping – Increased opportunities for proper disposal of wastes/recyclables in combination with secured access points have reduced issues at all open spaces and recreational sites in the City of Waltham. This change in behavior can be attributed to a combination of actions including educational efforts by the City and key partner advocates such as the Waltham Land Trust, an increase in 'see something say something' from open space/ recreational park users especially dog walkers, hikers and off road bicyclists carrying cell phones, the installation of secure vehicular gates at key access points for vehicles. Now when a report is made of illegal dumping to the City of Waltham, it is addressed in real-time and the items quickly removed.

Landfills - In the Cram's Cove area of the Charles River, the Cities of Waltham and Newton have old landfills. The Waltham landfill known as Woerd Avenue was built in the 1930s and closed in 1971. Woerd Avenue landfill abuts the backside of Koutoujian/Moody Street Playground. The City is working on remediating land adjacent to Koutoujian Playground.

Community interest remains high to reuse of the site for recreational purposes that would include paved parking for park, additional play fields, walking trails and a formal connection to the Charles River Walkway. Environmental requirements/current best practices and requires further to advance short term/long term strategies for the Woerd Avenue landfill.

Erosion – This has not been a big issue as the Charles River flow is heavily managed and construction sites are required to cover materials and protect drains as part of the permitting process.

Chronic Flooding - The Beaver Brook Flood Plain, particularly as it passes along and under the railroad tracks near Linden Street, has been filled to its capacity during storms, and has caused flooding of roadways and businesses. In 1980, a study was done which concluded that major culvert improvements would be necessary to prevent flood damage from the 50-year storm. In 1993, the DCR developed the Beaver Brook Flood Mitigation Program, which encompasses the entire Beaver Brook area from Main and Linden Streets to Beaver Street. The Program includes detailed plans for culvert installation at all major roads including Linden and Beaver Streets and a complete clean-up of the Brook around Waverly Oaks with new rip-rap, etc.

Sedimentation – Sedimentation is a real concern in Waltham and threatens our water features and infrastructure. The City’s Engineering Department is actively working to reduce storm water runoff and to establish best management practices.

New Development Impact- Since major development occurred around the Hobbs Brook Basin and in the Cambridge Reservoir watershed area, there has been regional concern over negative effects on this natural resource and the potential threat to water quality. The watershed area lies in the communities of Waltham, Lexington, Lincoln and Weston. In 1989, the Cambridge Water Board and the MWRA contracted the Metropolitan Area Planning Council to prepare a Cambridge Reservoir Watershed Protection Plan. This plan had several accomplishments, including formulating the Cambridge Watershed Advisory Committee, providing a base line natural resources inventory of the watershed, assessing the land uses and potential sources of contamination, and analyzing zoning of the watershed. The Plan summarizes the findings of the project and presents recommendations for watershed protection measures designed to ensure the long-term protection of the public drinking water sources within the watershed. These recommendations are summarized as follows:

- Control of urban runoff by local site plan and wetlands regulations, and permitting under the Clean Water Act
- Measures to control drainage from state highways
- Regulation of underground storage tanks and hazardous materials by local bylaws and ordinances
- Restriction of the most hazardous activities in the watershed by zoning overlay districts
- Control of sodium contamination with alternative road deicing practices
- Control of wastewater discharges in unsewered areas by local health regulations
- Proper solid waste management practices
- Coordination of improved emergency response to spills
- Water quality monitoring in the watershed
- MEPA review of projects in the watershed by DEP and MWRA
- Protection of critical parcels in the watershed by DEP and MWRA

In general, the intensive development that has taken place in the Route 128 corridor, as well as along Lexington Street has presented potential damage to the environment including air quality from excess traffic, damage to surface water and groundwater resources, and loss of open space. The City has made every effort to protect the remaining undeveloped land along Trapelo Road so that there is open space relief from density and also to protect the watersheds and the remaining wildlife diversity in the area.

Surface Water Pollution - Hardy Pond is a great pond with a surface of approximately 42 acres, a current mean depth of about two feet and a maximum depth of about four feet. Residential abutters have been very interested and active in the environmental and recreational quality of the pond and have formed the Hardy Pond Association, now merged with the Waltham Land Trust 501c3 nonprofit. Collaboration between the Commonwealth of Massachusetts, the City of Waltham and the Hardy Pond Association has resulted in improved water quality and management of invasive species.

Invasive Species and Harmful Plants – Although not technically classified under the MA list of invasive species as it is a native plant, poison ivy has become more than just an occasional nuisance plant in our open space and recreation areas but a true threat the land’s enjoyment by people. Waltham’s open space, recreation and even sidewalks are challenged by fast growing and self-sustaining populations of Poison ivy (*Toxicodendron radicans*), Asiatic bittersweet (*Celastrus orbiculatus*), Japanese knotweed (*Polygonum cuspidatum*), garlic mustard (*alliaria petiolata*), glossy buckthorn (*Frangula alnus*), Eurasian water-milfoil (*Myriophyllum heterophyllum*), and black swallow-wort (*Cynachum louiseae*).

Environmental Equity Issues - Transportation and land use patterns vary throughout Waltham. However, most of the larger tracts of tree canopy or open space is located north of the Charles River and is not that accessible by local buses creating some environmental equity issues. The neighborhoods along the Charles River have great access to a multi-modal path that connects from downtown Boston to Waltham. Increased

healthy transportation options and connections would improve access to Waltham open space and recreation assets.

Accessibility to some recreational facilities at these park locations is limited and could be expanded: Elsie Turner Field, Cornelia Warren, Hillcroft Playground, Bobby Connors Playground, Peter Gilmore and McDonald Playground.

Section 5 Inventory of Lands of Conservation and Recreation Interest

This section provides an inventory of the existing open space and recreational land in the City of Waltham. The contents are as follows: definitions of protected and unprotected land, descriptions of publicly owned and privately-owned land, Inventory of Conservation and Open Space Lands, and List of Parks and Recreation Properties.

The open space benefits Waltham's residents by providing opportunities for recreational and aesthetic enjoyment. In its natural state, open space provides places for wildlife habitats, functions as a drainage detention area, and preserves ecologically sensitive natural resources. From the Charles River to Waltham's large parks, open space plays an important role in both the natural and built environment. Waltham residents understand how natural resources affect their overall quality of life, and enhancing and expanding these resources are a high priority.

DISTINCTION BETWEEN PROTECTED AND UNPROTECTED LAND

The following definitions have been developed by the Executive Office of Energy and Environmental Affairs through the cooperation of the Division of Conservation Services and the Department of Environmental Protection:

- Land is considered protected if it is owned by the [City's] Conservation Commission or Water Department, one of the state's conservation agencies (thereby covered by article 97), a non-profit land trust, or if the City received state or federal funds for the purchase or improvement of the property. Private land is considered protected if it has a deed restriction in perpetuity, if an Agricultural Restriction has been placed on it, or if DEP has placed a conservation restriction on it as part of the Wetlands Conservancy Program.
- Land owned by other agencies (local school department, Department of Defense, Department of Corrections, etc.) is not protected; it can be sold for development with relative ease.

Private Parcels

Agricultural Properties – Waltham had many farms prior to their redevelopment into housing and office parks. The community is seeking to use CPC funds to purchase Arrigo Farm located near the Belmont line.

Forested Land - The list of privately held open space identifies many forested parcels throughout the City. Beth Israel Memorial Park, Brandeis' Sachar Wood and Berry Park are three such parcels (soon to be deeded to the City).

Areas Significant for Water Resource Protection - Significant wetlands are located behind office parks on Waverly Oaks and Beaver Street as part of the Beaver Brook and Clematis Brook. Storm water runoff in this area is a concern as shown by recent flooding issues.

Priority Areas for Protection – Berry Park is a site adjacent to the former Polaroid site and Prospect Hill Park that is a priority site for protection. In addition, Lot 3 of the Middlesex County Hospital, the Hardy Pond Conservation area and the Stigmatine property have been identified as priority areas for protection.

Private Recreation Land - Several private institutions have lands and facilities that have specialized public recreational use/open space characteristics including: the Cedar Hill Girl Scout Camp, the Cambridge Boy Scouts, and the YMCA.

Estates – Waltham has three significant historic estates being Stonehurst - The Robert Treat Paine Estate, Gore Place, Lyman Estates that have both lawn and forested areas. Gore Place offers a glimpse of a small working farm complete with a farm stand, chickens and sheep.

Major Institutional Holdings - Two university campuses (Bentley and Brandeis) and three private schools for lower and secondary education also have land that provides recreational and open space benefits. These facilities are for their students; however some use of tennis courts and other open space and recreational facilities are available to the public with or without a fee.

Public and Nonprofit Parcels

The City owns three parcels of land that are permanently designated as "open space" and are used only for passive recreation: Prospect Hill Park; Storer Conservation (Stonehurst - The Robert Treat Paine Estate) land off Beaver Street; and the Waltham Common. The two City-owned cemeteries, plus one private cemetery, constitute visual open space although of course they are not considered to be available for public use and enjoyment in the sense that other open space or conservation lands are.

There is considerable publicly-owned land under the jurisdiction of State and Federal agencies, some of which is designated for public recreational use, including the Beaver Brook Reservation (38.05 acres), the Charles River State and DCR Reservation, the DCR Landry Park near the Moody Street Dam on the Charles River, the DCR Riverwalk Park from the Moody Street Bridge to the Prospect Street.

The City of Waltham leases, operates and manages the former DCR ice skating rink on Totten Pond Road known as the Veterans Memorial Rink. Other City-owned lands providing significant visual open space for Waltham residents include: the Metropolitan State Hospital, Fernald School, and other public institution land owned by the state or other municipality, i.e. the University of Massachusetts' Waltham Field Station for agricultural research on Beaver Street, and the Cambridge Water Supply reservoir. "Forest Street Park" and "Waltham Woods" are not protected and are under the jurisdiction of the Recreation Department. However, the City plans to keep them as open space available for the public.

Consistent with past land disposition processes such as the U.S. Army Corp Hospital, the City will work closely with other public agencies to assure that open space and recreation are priorities considered as part of any land disposition process.

A proposed healthy transportation asset for Waltham that will also serve the Region is the Wayside Rail Trail that is part of MassDOT's Bay State Greenway (BSG) vision for the Commonwealth proposing 788 miles of on/off road bicycle facilities. The abandoned tracks/row of the MassCentral are visible in Waltham and are now under DCR's control. The MassCentral is known from Waltham to Berlin as the 'Wayside Rail Trail' and is under discussion with the City of Waltham, DCR and MassDOT as to the best strategies to implement and fund this section of shared use trail. It should be noted that the 'Wayside Rail Trail' has been designated #3 on the BSG Priority 100 that seeks to implement key bicycle routes that connect urban centers, extend existing paths and maximize transportation utility.

In addition to the MassCentral 'Wayside Rail Trail', the Western Greenway is a key new asset that connects many key open space and recreational parcels in the City of Waltham, the Town of Lexington and the Town of Belmont. The Western Greenway is seven-miles in length. Future segments are being planned for construction late spring/summer 2015. Protection on the public land varies with some zoned conservation or park use while others having no open space protection. The character of the greenway is as varied as the ownership with some sections having established walking trails and other sections difficult to walk through due to vegetation. The Waltham Land Trust and the Friends of the Western Greenway seek to formalize the trail.

Public and Nonprofit Detailed Information Inventory Chart

Public Land Name	Owner / Maintains	Recreation Potential / Updates	ADA Access	Primary Use	Acres	Protection Status	Public Access	Grants Rec'd
Prospect Hill Park	City of Waltham / CPW	Vista pruning, refresh of signage, invasive species removal	Yes	Recreation / Open Space	252.2	Deed	Good	CDBG (2011)
Storer Conservation /Paine Estate	City of Waltham / CPW	Entrance drive, parking, invasive species removal & refresh of trail map/signage	Yes	Trails	113	Deed	Good	IMLS (2010)
Waltham Common	City of Waltham / CPW	New Benches	Yes	Walking / Open Space	7.3	Deed	Excellent	None
Beaver Brook Reservation (North Trapelo Road)	DCR / DCR	Trail Signage	Yes	Open space	8.77	State CR	Excellent	N/A DCR
Beaver Brook Reservation (Off Waverly Oaks)	DCR / DCR	Trail Signage	Yes	Recreation / Open Space Multi-Use Path	34	State CR	Excellent	N/A DCR
Charles River Reservation (North Bank: South St. Charles River Rd.)	DCR / DCR	Issues with invasive water plants	Yes	Open space	7.35	State CR	Fair	N/A DCR
Charles River Reservation (North Bank: Edgewater Drive)	DCR / DCR	Issues with invasive water plants	Yes	Open space	2.78	State CR	Fair	N/A DCR
Charles River Reservation (South Bank: Forest Grove Road)	DCR / DCR	Issues with invasive water plants	Yes	Open space	5.4	State CR	Fair	N/A DCR
Charles River Reservation (South Bank: Riverview Avenue)	DCR / DCR	Issues with invasive water plants	Yes	Open space	0.29	State CR	Good	N/A DCR
Charles River Reservation (South Bank: Woerd/Crescent)	DCR / DCR	None Known	Yes	Open space/ Multi-Use Path	.02	State CR	Good	NA DCR
Charles River Reservation (South Bank: Watch Factory)	DCR / DCR	None Known	Yes	Open space/ Multi-Use Path	.03	State CR	Good	NA DCR
Charles River Reservation (North Bank: Prospect St. - Moody St.)	DCR / DCR	Repair benches, path pavement, vista openings & remove invasive species.	Yes	Open space/ Multi-Use Path	4.88	State CR	Good	NA DCR

Public Land Name	Owner / Maintains	Recreation Potential / Updates	ADA Access	Primary Use	Acres	Protection Status	Public Access	Grants Rec'd
Charles River Reservation (South Bank: Cronin's Landing)	DCR / DCR	Refinish river bollard/chain, repair broken pavers, remove invasive species & replace missing plant material & paddle boats	Yes	Open space/ Multi-Use Path	2.3	State CR	Good	N/A DCR
Charles River Reservation (South Bank: Moody St. - Cooper St.)	DCR / DCR	Replace damaged sections of path , upgrade multi-use path, remove invasive plant material, restore vistas to river	Yes	Open space/ Multi-Use Path	.26	State CR	Good	N/A DCR
Charles River Reservation (North Bank: Landry Park by Mill)	DCR / DCR	Restore multi-use path bridge, upgrade multi-use path	Yes	Open space	34	State CR	Good	N/A DCR
Charles River Reservation (North Bank: West Elm St. Bridge Access)	DCR / DCR	Under Construction	Being Built	Open space/ Multi-Use Path	.03	State CR	Will Be Good	NA DCR
Charles River Reservation (North Bank: East Elm St. Bridge Access)	DCR / DCR	Under Construction	Being Built	Open space/ Multi-Use Path	.06	State CR	Will Be Good	NA DCR
Charles River Reservation (North Bank: Elm St. Access - Pool)	DCR / DCR	None Known	No	Open Space	.03	State CR	No formal access	NA DCR
Charles River Reservation (North Bank: Conner's Swimming Pool)	DCR / DCR	None Known	Yes	Recreation Pool Multi-use Path	.009	State CR	Excellent	N/A DCR
Charles River Reservation (South Bank: Elm St - Newton St.)	DCR / DCR	Repair wood guardrail/fencing on path, repair benches & display case, remove invasive species and multi-use path bridge decking	Yes	Open Space Multi-use Path	.02	State CR	Good	N/A DCR
Charles River Reservation (North Bank: Newton St. - RR Trestle)	DCR / DCR	Program	No	Open Space	.04	State CR	No formal access	NA DCR
Charles River Reservation (South Bank: Newton St. - Farwell St.)	DCR / DCR	Restore & upgrade multi-use path , remove invasive species	Yes	Open Space Multi-use Path	.08	State CR	Good	NA DCR

Public Land Name	Owner / Maintains	Recreation Potential / Updates	ADA Access	Primary Use	Acres	Protection Status	Public Access	Grants Rec'd
Charles River Reservation(North Bank: River St. Plaza)	DCR / DCR	Restore access to Canoe landing, remove invasive species	Yes	Open Space Multi-use Path/Canoe Launch	.02	State CR	Good	NA DCR
Charles River Reservation (North Bank: Farwell - Watertown)	DCR / DCR	Repair stone dust ADA multi-use trail	Yes	Open Space Multi-Use Path	.02	State CR	Good	None
Mary Early Bridge Pedestrian Bridge	City of Waltham / CPW	Repair decking	Yes	Pedestrian Bridge	.004	None	Good	None
Mary Early Bridge Connectors (North Bank)	City of Waltham / CPW	Clean up and removal of invasive species	Yes	Multi-Use Path	.02	Deed	Good	None
Mary Early Bridge Connectors (South Bank)	City of Waltham / CPW	Clean up and removal of invasive species & update entrance area	Yes	Multi-Use Path	.05	Deed	Good	None
Ice Skating Rink @ Totten Pond Road	DCR / Leased Rec. Dept.	None Known	Yes	Recreation	3.06	Deed	Good	None
Fernald Property	City of Waltham / CPW	Site Reuse	Partial	Open Space / Multi-Use	190	Zoning Deed	No Formal Access	None
Shady's Pond Conservation Area [currently listed as Our Lady's]	City of Waltham / CPW	Trails/Signage	Not Known	Open Space	34	Deed	Good	None
Woods on Marlborough Road	City of Waltham / CPW	None Known	Not Known	Open Space	4	CR	No formal access	None
Sanderson Heights, Lincoln Street Woods	City of Waltham / CPW	Site Clean-Up/Trails/Signage	Partial	Open Space	26.26	Zoning Deed	No Formal Access	None
Jericho Hill Summit / Woods on Jericho Hill	City of Waltham / CPW	Site Clean-Up/Trails/Signage	Partial	Open Space	6	Deed	No Formal Access	None
Chester Brook Woods [adjacent to Storer Conservation Land]	City of Waltham / CPW	Trails/Signage	Yes	Open Space	26	Deed	Good	None
Smith Street Wetlands	City of Waltham / CPW	Site Program	Partial	Open Space	16	Deed	No Formal Access	None
81 Arcadia Ave Lot (CPA purchase)	City of Waltham / CPW	Site Program	No	Open Space	0.13	Deed	Closed to public	None
385 Trapelo Road Lot (CPA purchase)	City of Waltham / CPW	Site Program	No	Open Space	1	Deed	Will b good	None

Public Land Name	Owner / Maintains	Recreation Potential / Updates	ADA Access	Primary Use	Acres	Protection Status	Public Access	Grants Rec'd
Woods at Cedarwood Playground	City of Waltham / CPW	Site Program	No	Open Space		Deed	No Formal Access	None
Woods at Nipper Maher Park	City of Waltham / CPW	Site Program	No	Open Space	7	CR	No Formal Access	None
Woods behind Chester Brook Housing	City of Waltham / CPW	Site Program	No	Open Space	7	CR	Closed to public	None
Woods at Waltham High School	Waltham School Dept. / School Dept.	Site Program	Partial	Open Space	15	CR	No Formal Access	None
Woods behind North East Elementary School	Waltham School Dept. / School Dept.	Site Program	Partial	Open Space	23	CR	No Formal Access	None
Waltham Woods	City of Waltham / CPW	Site Program	Partial	Open Space	12	CR	No Formal Access	None
Square Pond Woods (Beaver Street)	City of Waltham / CPW	Site Program	No	Open Space	5	CR	Closed to public	None
Woods behind MacArthur School	Waltham School Dept. / School Dept.	Site Program	Partial	Open Space	13	CR	No Formal Access	None
Woods on Fir Ave	City of Waltham / CPW	Site Program	No	Open Space	4	CR	Closed to public	None
Former Metropolitan State Hospital (Lot 1) [land acreage within Waltham]	Commonwealth of Mass	Site Program	No	Open Space	6.45	Deed	Fair	None
Met State Lawns (Lot 2) [Administration Building Site]	City of Waltham / CPW + DCR	Site Program	No	Open Space / Parking	1.33	Deed	Good	PARC Grant Program (2012)
Met State Lawns (Lot 4A)	City of Waltham / CPW	Site Program	No	Open Space	31.52	Deed	No formal access	None
Met State Lawns (Lot 4B)	City of Waltham / CPW	Site Program	Yes	Open Space	7.52	Deed	No formal access	None
Met State Lawns (Lot 5)	City of Waltham / CPW + DCR	Site Program	No	Open Space	11.15	Deed	No formal access	None

Public Land Name	Owner / Maintains	Recreation Potential / Updates	ADA Access	Primary Use	Acres	Protection Status	Public Access	Grants Rec'd
Met State Lawns (Lot 6) [former Gaebler Site / Mackerel Hill]	City of Waltham / CPW	Site Program	Partial	Open Space 3 season walking/1 season cross country	7.35	Deed	Good	None
Bow Street (Lot 1) (CPA purchase)	City of Waltham / CPW	Site Program	Partial	Open Space	0.31	Deed	Fair	None
287 Grove St (CPA Purchase)	City of Waltham / CPW	Site Program	No	Open Space	1.96	Deed	Will be Good	None
Woerd Avenue Landfill	City of Waltham / CPW	Public Access / Site Cleanup	No	Closed	8.69	Deed	Closed to public	None
Cambridge Reservoir	City of Cambridge / City of Cambridge	Public Access	No	Cambridge Water Supply	605.1	Deed restriction	Poor	None
Mount Feake Cemetery	City of Waltham / CPW	Need More Cemetery Plots	Yes	Cemetery	85	Zoning Deed	Excellent	None
Grove Hill Cemetery	City of Waltham / CPW	Need More Cemetery Plots	Yes	Cemetery	9	Zoning Deed	Good	None
Leary Field	Waltham School Department / School Dept.	None Known	Yes	School / Recreation	7	None	Excellent	None
Forest Street Park	City of Waltham / CPW	None Known	Partial	Open Space	15	CR	No Formal Access	None
Lawrence Meadow	UMASS / UMASS	None Known	Yes	Open Space	31	None	Good	None
Wetlands East of Falzone Park (Lot 3)	DCAMM / DCAMM	None Known	No	Open Space	5	None	No formal access	None
UMass Field Station	UMASS / UMASS	None Known	Yes	Open Space	28	Zoning Deed	Good	None
Forest Grove MDC Park	Commonwealth of Mass / DCR	None Known	Not Known	Open Space	5	Deed	Good	None
Wayside Rail Trail	City of Waltham / DCR	None Known	Yes	Multi-Use Path	6	Deed restriction	Good	None
Woburn Street	City of Waltham / CPW	Restoration of ADA stone dust surface, removal of invasive species	No	Multi-Use Path	5.962	Zoning Deed	No Formal Access	None

Public Land Name	Owner / Maintains	Recreation Potential / Updates	ADA Access	Primary Use	Acres	Protection Status	Public Access	Grants Rec'd
Cederwood Playground	City of Waltham / CPW	playground areas, gardening areas, exercise stations, sledding area, combo BB court/hockey rink, natural woodlands, ADA walkways, open green space, irrigation, new fencing, benches, picnic tables, shades shelter.	Yes	Active Recreation	7	Deed	Excellent	None
Corneila Warren	City of Waltham / CPW	Historic restoration of stone wall, synthetic turf field, adult softball/football field. Expansion of facility with available land, new parking lot, spectator seating, site amenities, etc.	Yes	Active Recreation	4.84	Deed	Excellent	None
Drake Playground	City of Waltham / CPW	New Playground area – replacement of existing structure and additional play elements; fencing, hill development, site clearing, etc.; site furnishings; evaluation of existing BB court surface, color-coating, backboards; park drainage	Yes	Active Recreation	2.16	Deed	Excellent	None
James P. Falzone Memorial Park	City of Waltham / CPW	Improvements planned	Yes	Active Recreation	10.54	Deed	Excellent	None
Peter Gilmore Playground	City of Waltham / CPW	Both continued active recreation elements, as well as a desire for more passive open green space at this park. Park land will be expanded due to the demolition of an old existing building adjacent to the park land.	Yes	Active Recreation	1.35	Deed	Excellent	CDBG (2013, 2014)
Graverson Playground	City of Waltham / CPW	Anticipated Park improvements will include; new playground, BB court, skate park facility, ADA walkways, improved entrances, active field space, benches, tables and shade structures.	Yes	Active Recreation	4.44	Deed	Excellent	None
Hillcroft Playground	City of Waltham / CPW	New basketball court – Phase I / 2015 Phase II – Master Plan for other park Improvements / 2016	Yes	Active Recreation	2.42	Deed	Excellent	None

Public Land Name	Owner/ Maintains	Recreation Potential / Updates	ADA Access	Primary Use	Acres	Protection Status	Public Access	Grants Rec'd
Lazazzero Playground	City of Waltham / CPW	Facility improvements completed in 2000 - 2001. New Water Spray Park added in 2008. Additional renovations planned.	Yes	Active Recreation	4.3	Deed	Excellent	None
Logan Park	City of Waltham / CPW	Completely renovated in 2010 with CDBG funds	Yes	Active Recreation	.45	Deed	Excellent	CDBG (2010)
Lowell Field	City of Waltham / CPW	Outdoor hockey rink, BB court, Tennis Crt, multi-purpose athletic field/bocce courts, playground update and equipment update, ADA upgrades.	Yes	Active Recreation	5.35	Deed	Excellent	None
McDonald Playground	City of Waltham / CPW	Improvements planned	Yes	Active Recreation	.67	Deed	Excellent	None
McKenna Playground	City of Waltham / CPW	Reconstruction to the parking lot area and drainage; new guardrail along lot; new bike trail – connecting with DCR bikeway; landscape restoration to area along DCR bikeway/Charles river (ADA walkways, landscaping, site furnishings); site signage	Yes	Active Recreation	3.15	Deed	Excellent	CDBG (2011)
Msgr. McCabe Playground	City of Waltham / CPW	Renovations planned	Yes	Active Recreation	4.86	Deed	Excellent	None
Nipper Maher Park	City of Waltham / CPW	Water drainage improvements and a new children's play area with water spray elements.	Yes	Active Recreation	18.5	Deed	Excellent	None
Pond End Tot Lot	City of Waltham / CPW	New Play Equipment – Active children's play structure with additional elements; Passive recreation area; New ADA walkway; New green space area for recreational activities	Yes	Active Recreation	1.42	Deed	Excellent	Our Common Backyards 2014
Bobby Connors Playground	City of Waltham / CPW	New BB court, playground equipment and areas, multi-purpose athletic field (lower field), passive green space – picnic area.	Yes	Active Recreation	2.89	Deed	Excellent	None

Public Land Name	Owner/ Maintains	Required Updates	ADA Access	Primary Use	Acres	Protection Status	Public Access	Grants Rec'd
Elsie Turner Field	City of Waltham / CPW	Construction of softball field to accommodate girls softball program needs, high school age field dimensions, and adult recreation users; New parking lot with security lighting (2 phases if necessary); spectator seating with shade canopy park benches; site furnishings; standard park signage; field lightings; new shack w/restroom facilities; ADA walking path within interior perimeter of park	Yes	Active Recreation	6	Deed	Excellent	None
Thompson Playground	City of Waltham / CPW	Renovations planned	Yes	Active Recreation	.4	Deed	Excellent	None
Veterans Memorial Athletic Complex	City of Waltham / CPW	Renovations to (4) synthetic turf fields. Due to age/use of fields, it is time to replace turf, design services needed to replace the synthetic turf fields and explore the replacement of the natural turf softball fields and convert them to synthetic turf fields.	Yes	Active Recreation	25	Deed	Excellent	None

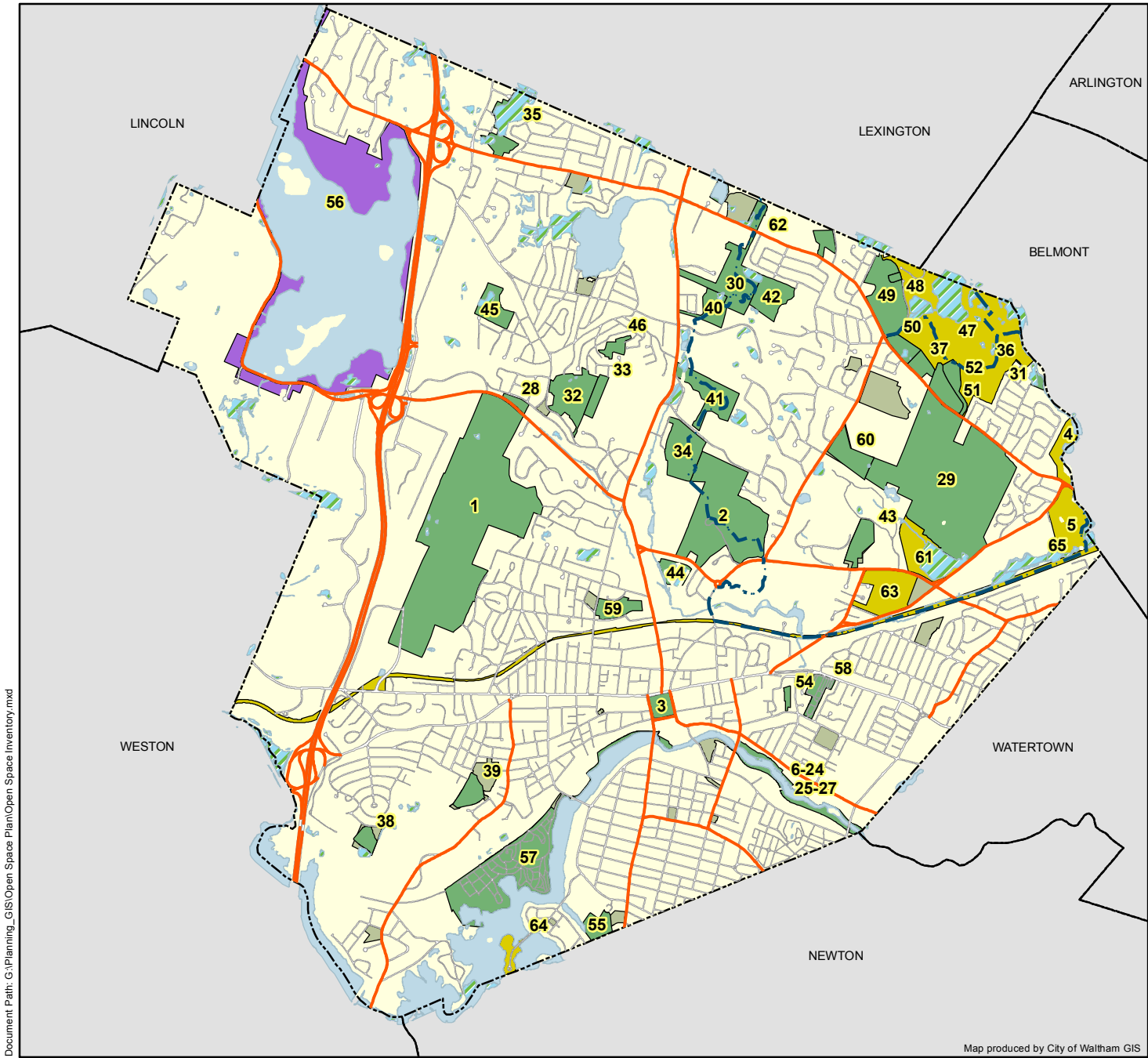
Public and Nonprofit Owned Inventory Chart and Map ID Numbers

ID	Property Name
1	Prospect Hill Park
2	Storer Conservation/Paine Estate
3	Waltham Common
4	Beaver Brook Reservation (North Trapelo Road)
5	Beaver Brook Reservation (Off Waverly Oaks)
6-24	Charles River Reservation
25-27	Mary Early Bridge
28	Ice Skating Rink @ Totten Pond Road
29	Fernald Property (part CPA 140 acres and 50 acres non-CPA)
30	Shady's Pond Conservation Area
31	Woods on Marlborough Road
32	Sanderson Heights, Lincoln Street Woods
33	Jericho Hill Summit / Woods on Jericho Hill
34	Chester Brook Woods [adjacent to Storer Conservation Land]
35	Smith Street Wetlands
36	81 Arcadia Ave Lot (CPA purchase)
37	385 Trapelo Road Lot (CPA purchase)
38	Woods at Cedarwood Playground
39	Woods at Nipper Maher Park
40	Woods behind Chester Brook Housing
41	Woods at Waltham High School
42	Woods behind North East Elementary School
43	Waltham Woods
44	Square Pond Woods (Beaver Street)
45	Woods behind MacArthur School
46	Woods on Fir Ave
47	Former Metropolitan State Hospital (Lot 1) [land acreage within Waltham]
48	Met State Lawns (Lot 2) [Administration Building Site]
49	Met State Lawns (Lot 4A) [land formerly proposed for golf course]
50	Met State Lawns (Lot 4B) [land formerly proposed for golf course]
51	Met State Lawns (Lot 5) [land formerly proposed for golf course]
52	Met State Lawns (Lot 6) [former Gaebler Site / Mackerel Hill]
53	Bow Street (Lot 1) (CPA purchase)
54	287 Grove St (CPA Purchase)
55	Woerd Avenue Landfill
56	Cambridge Reservoir
57	Mount Feake Cemetery
58	Grove Hill Cemetery
59	Leary Field
60	Forest Street Park
61	Lawrence Meadow
62	Wetlands East of Falzone Park (Lot 3)
63	UMass Field Station
64	Forest Grove MDC Park
65	Wayside Rail Trail
66	Woburn Street
67	Cedarwood Playground
68	Corneila Warren

69	Drake Playground
70	James P. Falzone Memorial Park
71	Peter Gilmore Playground
72	Graverson Playground
73	Hillcroft Playground
74	“Jack” Koutoujian Playground
75	Lazazzero Playground
76	Logan Park
77	Lowell Field
78	McDonald Playground
79	McKenna Playground
80	Msgr. McCabe Playground / Warrendale Playground
81	Nipper Maher Park
82	Pond End Tot Lot
83	Bobby Connors Playground/formerly called Roberts Playground
84	Elsie Turner Field
85	Thompson Playground
86	Veterans Memorial Athletic Complex

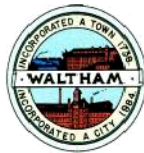
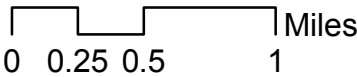
Public/Non-Profit Open Space

Waltham, MA
2015 Open Space
& Recreation Plan



Legend

Western Greenway	City of Cambridge
Main Roads	City Owned
Streets	DCR/State Owned
Water Bodies	City Playgrounds
Upland	City Boundary
Wetland Area	



Private Detailed Information Inventory Chart							
MAP ID	Private Land Name	Property Owner	ADA Access?	Primary Use	Acres	Protection Status	Public Access
A	Massachusetts Girl Scouts @ Beaver Street	Private	Unknown	Open space / Historic Building	75.5	None	Private
B	YMCA @ Lexington Street	YMCA	Yes	Open Space / Building	15	None	Good
C	Beth Israel Memorial Park	Private	Yes	Cemetery	7.5	Not Known	Private
D	Brandeis Riverfront	Brandeis University	Unknown	Campus	15	CR	Private
E	Brandeis Sibley Road Parcels	Brandeis University	Unknown	Campus	40	Not Known	Private
F	34 Woburn Street AFT	Lexington August Rlty Trust	Yes	Open Space	1.6	None	Good
G	Berry Park (former Polaroid property)	Private (City of Waltham /Future owner)	No	Open Space	20	Deed restriction	None
H	Proposed Hardy Pond Conservation Area [proposed CPA purchase]	Various property owners (City of Waltham Future Owner)	Partially	Open Space	22	None	Good
I	Arrigo Farm [approved for CPA purchase]	Arrigo family heirs(City of Waltham Future Owner)	No	Open Space	5	Agricultural Restriction	Private
J	Gore Estate	Private	Yes	Open space / Historic Building	19	Historic Register	Good
K	Lyman Estate	Private	Yes	Open space / Historic Building	29.5	Agricultural Restriction	Good
L	Bear Hill Road	HillTop 110 Bear Hill LLC.	Unknown	Open Space	21.5	None	None
M	Our Lady's Church Woods	Roman Catholic Church	Partially	Open space / Trails / Streams	26	CR	Limited
N	Stigmatine Espousal Center	Stigmatine Order	Unknown	Open Space	40	Deed restriction	Limited

MAP ID	Private Land Name	Property Owner	ADA Access?	Primary Use	Acres	Protection Status	Public Access
O	Woods on Roberts Road	Private	No	Open Space	9	CR	None
P	Beaver Brook Wetlands	Duffy Bros. Inc	No	Open Space	12	CR	None
Q	Woods on Forest Park Drive	Pigeon Hill Trust	No	Open Space	4	CR	None
R	Arrigo Pastures (Mt Walley Rd)	Arrigo Family Heirs	Unknown	Agriculture	5	Not Known	None
S	Woods / Wetlands Off Jones Road	Private	Unknown	Open Space	33	CR	None
T	Calvary Cemetery	Roman Catholic Church	Yes	Open Space	52	Deed	Excellent

Privately Owned Inventory Chart and Map ID Numbers

ID	Property Name
A	Massachusetts Girl Scouts @ Beaver Street
B	YMCA @ Lexington Street
C	Beth Israel Memorial Park
D	Brandeis Riverfront
E	Brandeis Sibley Road Parcels
F	34 Woburn Street AFT
G	Berry Park (former Polaroid property)
H	Proposed Hardy Pond Conservation Area [proposed CPA purchase]
I	Arrigo Farm [approved for CPA purchase]
J	Gore Estate
K	Lyman Estate
L	Bear Hill Road Hill Top 110
M	Our Lady's Church Woods
N	Stigmatine Espousal Center
O	Woods on Roberts Road
P	Beaver Brook Wetlands
Q	Woods on Forest Park Drive
R	Arrigo Pastures (Mt Walley Rd)
S	Woods / Wetlands Off Jones Road
T	Calvary Cemetery

Private Open Space

Waltham, MA
2015 Open Space
& Recreation Plan

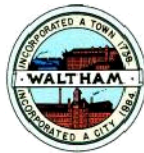
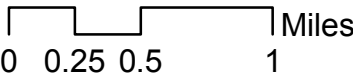


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Map produced by City of Waltham GIS

Legend

Main Roads	Water Bodies
Private Open Space	Upland
Streets	Wetland Area
City Boundary	



Section 6 Community Vision

Description of Process

The most important part of this Plan is the input received directly from citizens and users of Waltham's open space. This year marks the first year the Planning Department successfully launched an online community input portal. A survey was generated and posted to the Planning Department website and advertised in the Waltham News Tribune. Community members, business owners, residents and youth were able to log on and share their opinion on what was the most important to them. A link to this survey was also available on the Recreation Department website and announced in social media on the Recreation Facebook page.

Hard copies of the survey were available from both the Recreation and Planning Departments in several languages including Spanish and Creole. By the end of the first day the survey yielded fifty six (56) responses. Individuals with limited computer access were able to use City computers at the library, the Waltham Community Cultural Center and the Farmer's Market to complete the survey.

While members of the community enjoyed taking the survey online, the Planning Department held true to the grass roots approach to gathering community input by holding public meetings, posting newspaper ads and facilitating consultation meetings.

The City of Waltham is both a diverse and developed community with a variety of open space and recreation needs. Through its water resources, such as the Charles River, Hardy Pond and the Cambridge Reservoir, and its large public land holdings, the City has a vast array of open space environments which all contribute to the quality of life of its residents.

Statement of Open Space and Recreation Goals:

1. **Preserve Currently Owned City Open Space** – The City through its various departments is committed to preserving the natural state of all City owned open spaces. By preserving the inventory the City currently owns, residents and visitors are able to enjoy historical open spaces in their natural state and be free from fear of development or destruction.
2. **Renovations to Park Properties and Recreational Facilities**– One of the many benefits to playgrounds and park facilities is that they provide a positive atmosphere for citizens to gather, recreate and for children to play. In an effort to ensure the City's parks and playgrounds are utilized by residents for years to come, each park in Waltham is part of a master plan formulated by the Recreation Department and the Mayor.
3. **Enhance Collaboration Efforts with State and Federal Environmental Agencies** – Through collaboration with the State and Federal government agencies, various departments within the City are able to apply for and receive grants for park improvements and open space preservation.
4. **Provide Accessible Improvements to Existing Open Spaces and Facilities** – Ensuring the City's open spaces and facilities are accessible by all persons is a priority for the City of Waltham. Providing accessible improvements to existing open spaces and facilities increases the number of individuals able to enjoy and access all open spaces and park facilities.

Section 7 Analysis of Needs

Summary of Resource Protection Needs

People who live, work and visit Waltham take great pleasure and pride in the open space and recreational assets that are located throughout the community and extend across municipal lines to connect with Watertown, Belmont, Lexington, Lincoln, Weston and Newton.

In addition to addressing recreational needs and renovating neighborhood parks and recreational facilities throughout the community, there has been strong collaboration between the City of Waltham and many non-profits groups to preserve open space.

The revised inventory of public/non-profit and private lands of conservation and recreation interest from Section 5 demonstrates the value and interest of the community in open space. In addition to preservation of landscape character and habitat there is a strong interest in ‘connectivity’ and healthy transportation networks as demonstrated by the DCR’s Charles River Reservation, the Western Greenway and the proposed Wayside Rail Trail.

Charles River

The Charles River is considered a valuable natural resource in Waltham requiring protection and preservation. The river walk and new accessible dock were both received positively by community members. However, survey response indicated a need for better lighting and trash receptacles to eliminate garbage, debris and hazards to both the water and wildlife.

Summary of Community’s Needs

The most important part of this plan is the input received directly from the community. This year marks the first year the Planning Department successfully launched an online community input portal. A survey was generated and posted to the Planning Department website where Community members, business owners, residents and youth were able to log on and share their opinion by ranking which open space or recreation activity is most important to them. The questions in the survey and responses mirrored those also presented in the Massachusetts Statewide Comprehensive Outdoor Recreation Plan (SCORP).

Availability of Open Space and Recreation Areas

Of the 196 survey responses received by the Planning Department, 48% of respondents do not believe Waltham has enough outdoor recreational space. Similarly, 50% of respondents do not believe there is enough green space in the City. These survey responses indicate high support from the community for creating additional outdoor recreational and green space which is consistent with the survey results presented in the SCORP. Survey responses also indicated 50% of responders utilize the Charles River Walkway most often than any other open space followed closely by Prospect Hill Park with 42%, indicating physical fitness and relaxing outdoor environments add to the enjoyment of open spaces. Demand for new recreational facilities is constantly evolving and our park renovations need to stay current with recreation trends and changing interests.

Futsal, a version of indoor football / soccer created in Uruguay has rapidly become popular in the Commonwealth. Waltham has received requests for a dedicated futsal courts rather than play on existing basketball and tennis courts.

Updates to Existing Facilities

The 2010 U.S. Census reported 5,840 individuals in Waltham were living in a noninstitutionalized setting with a disability, including hearing, vision, cognitive, ambulatory and self-care difficulties. Of the 5,840 individuals 33.3% are over 65 years of age with the greatest disability being ambulatory difficulties, heightening the need for accessible open space and recreation areas.

The City has determined through feedback from the public and external studies that it is a growing need to make each facility accessible for people with disabilities. These facilities include parks and recreational facilities, by providing accessibility, the number of citizens able to take advantage of the open space area will increase, better serving neighborhoods and citizens.

Overall a majority of the public comments addressed minor deficiencies in recreation facilities such as a lack of lighting and minor playground equipment damage. The survey showed many residents use their neighborhood parks as well as the Beaver Brook Reservation and Stonehurst - The Robert Treat Paine Estate, both of which have seen an increase in usage in the past few years. Interpretive trails at Stonehurst - The Robert Treat Paine Estate were welcome additions and have increased usage of the area by residents.

Support remains very high for the design and the implementation of the proposed Wayside Rail Trail as a regional and local facility. Open space and recreational uses as part of the Fernald Campus reuse process are important to the community as well. Connecting existing facilities to sidewalks, bicycle and unpaved trails is key in supporting healthy transportation and extending access to open space areas.

Environmental Concerns

Additionally, concern has been raised by community members surrounding water issues at Koutoujian Playground. Currently the Planning Department is in the beginning stages of hiring a designer to reconfigure the park and mitigate any issues posed by adjacent parcel runoff and environmental contamination at Woerd Avenue. The City is exploring the reuse of the former Woerd Avenue landfill.

Management Needs, Potential Change of Use

Collaboration cross City Departments and clear communication with the Recreation Board, Conservation Commission, Historical Commission, Community Preservation Committee and City Council and Mayor are key for stewardship of Waltham's open space and recreation lands. To help ensure protection and avoid encroachments, funding for property surveys would be helpful. In addition, forestry management plans with specific actions to maintain a well-loved urban forest would greatly help all parties ensure it will be there for future generations.

To control both native and non-native plant materials, funding is required to sustain our existing landscapes/habitat. Certain species not only compromise habitat for plants and animals but pose a public health risk.

Section 8 Goals and Objectives

The goals and objectives of this plan provide the framework for the City's seven-year action plan for open space and recreation projects.

GOAL 1: Preserve Currently Owned City Open Space

Objectives

- 1) Expand recreational opportunities in existing open space by developing trail systems for passive recreation such as biking, hiking, jogging, walking, and cross country skiing in certain areas;
- 2) Maintain conservation/recreation zoning for land acquired through disposition process;
- 3) Improve water-based recreation opportunities such as boating, swimming, and fishing along the Charles River and other areas of the City.

GOAL 2: Renovations to Park Properties and Recreational Facilities

Objectives

- 1) Update existing playgrounds to include safety surfacing and upgraded facilities;
- 2) Expand on Unified Trail sign/map system (Mackerel Hill / Met State).

GOAL 3: Enhance Collaboration Efforts with Local, State and Federal Agencies

Objectives

- 1) Apply for additional grants to fund preservation and facility upgrades;
- 2) Support State's extensions of the Charles River Reservation to complete Waltham network;
- 3) Collaborate with State Agencies to define strategy for funding, design and construction. of Wayside Rail Trail (Waltham segment);
- 4) Work with the City Council Fernald Use Committee and Mayor to determine the best use of the property.

GOAL 4: Provide Accessible Improvements to Existing Open Spaces and Facilities

Objectives

- 1) Create accessible walking paths around existing open spaces and parks;
- 2) Explore furnishing existing parks with waterless Clivus accessible comfort stations;
- 3) Reuse Woerd Avenue Landfill to create new 'neighborhood park' for neighborhood residents.

Section 9 Seven Year Plan

The purpose of this section is to establish an action plan addressing Waltham's open space and recreational needs. This action plan is stated within the context of the City's stated goals and objectives. Those objectives are organized around proposed actions noting the year work started or will be expected to begin.

Objective	ACTIONS	DEPT/AGENCY	FUNDING SOURCE	YEAR
1.1	Update City GIS database of trail systems & greenways	GIS	City	2015
	Support and develop walking connections between sites	Planning / DCR	City/Grant	2016
	Collaborate WLT and DCR on expanding unified trail signage	Planning / DCR	City/Grant	2018
	Expand awareness of trail networks using trail maps	Recreation/Planning/ Conservation Commission	City	2020
1.2	Support recreational planning and uses at Fernald Property	Planning/Mayor	City	2022
1.3	Support expanded boating/kayak/paddle boat opportunities along Charles River	Planning	City/State	2016
	Seek to expand more public access points along Charles River	Planning	City	2018
2.1	Pond End Tot Lot Improvements	Recreation/Planning	City/Grant	2015
	Cedarwood Playground Improvements	Recreation/Planning	City	2015
	Prospect Hill Park Master Plan Improvements	Recreation/Planning	City	2015
	Hilcroft Playground – Basketball Court	Recreation/Planning	City	2015
	Gaverson Playground	Recreation/Planning	City	2016
	Elsie Turner Field Improvements	Recreation/Planning	City	2016
	Peter Gilmore Playground	Recreation/Planning	City	2017
	Drake Playground Improvements	Recreation/Planning	City	2017
	Koutoujian Playground Improvements	Recreation/Planning	City	2018
	Bobby Connors Playground Improvements	Recreation/Planning	City	2018
	Veteran's Athletic Complex Synthetic Turf Replacement	Recreation/Planning	City	2020
	Cornelia Warren Improvements	Recreation/Planning	City	2022
2.2	Refresh existing signage/trail maps at Prospect Hill Park	Recreation	City	2017
	Unified sign/trail map project to update signage Storer Conservation Land	Planning	City	2017
	Extend Signage/trail maps at the former Met Stage Hospital Site & Mackerel Hill	Planning	City	2018
3.1	Seek Grant Funding for Woerd Avenue Landfill Recreational Reuse	Planning	Grant	2016
	Seek Grant Funding to support neighborhood park renovations	Planning/Recreation	CDBG	2016
	Seek Grant Funding to renovate Admin Building at Met State & provide office for DCR plus facilities for the City	Planning	Grant	2020
3.2	Moody Street to Elm street connection	Planning	City	2015
3.3	Coordinate with DCR on ROW layout for Waltham. Establish strategy for funding design & construction with State Agencies	Planning/DCR	City/State	2018
3.4	Fernald Land Acquired – provide support for planning recreational uses and connectivity	Planning/Mayor	City	2022
4.1	Review existing accessible routes into facilities	Planning	City	2020
4.2	Review existing parks and develop recommendations for other installs	Planning/Recreation	City	2020
4.3	Woerd Ave Landfill – advance process towards recreational use	Planning/Recreation	City	2022

The City of Waltham considers the objectives to be ongoing, however the hard work and dedication following the 2010 Open Space Plan Update has prevailed and we are proud that several of the actions identified were implemented with great success. Specifically these include:

Actions Completed Since 2010 Open Space Plan Update

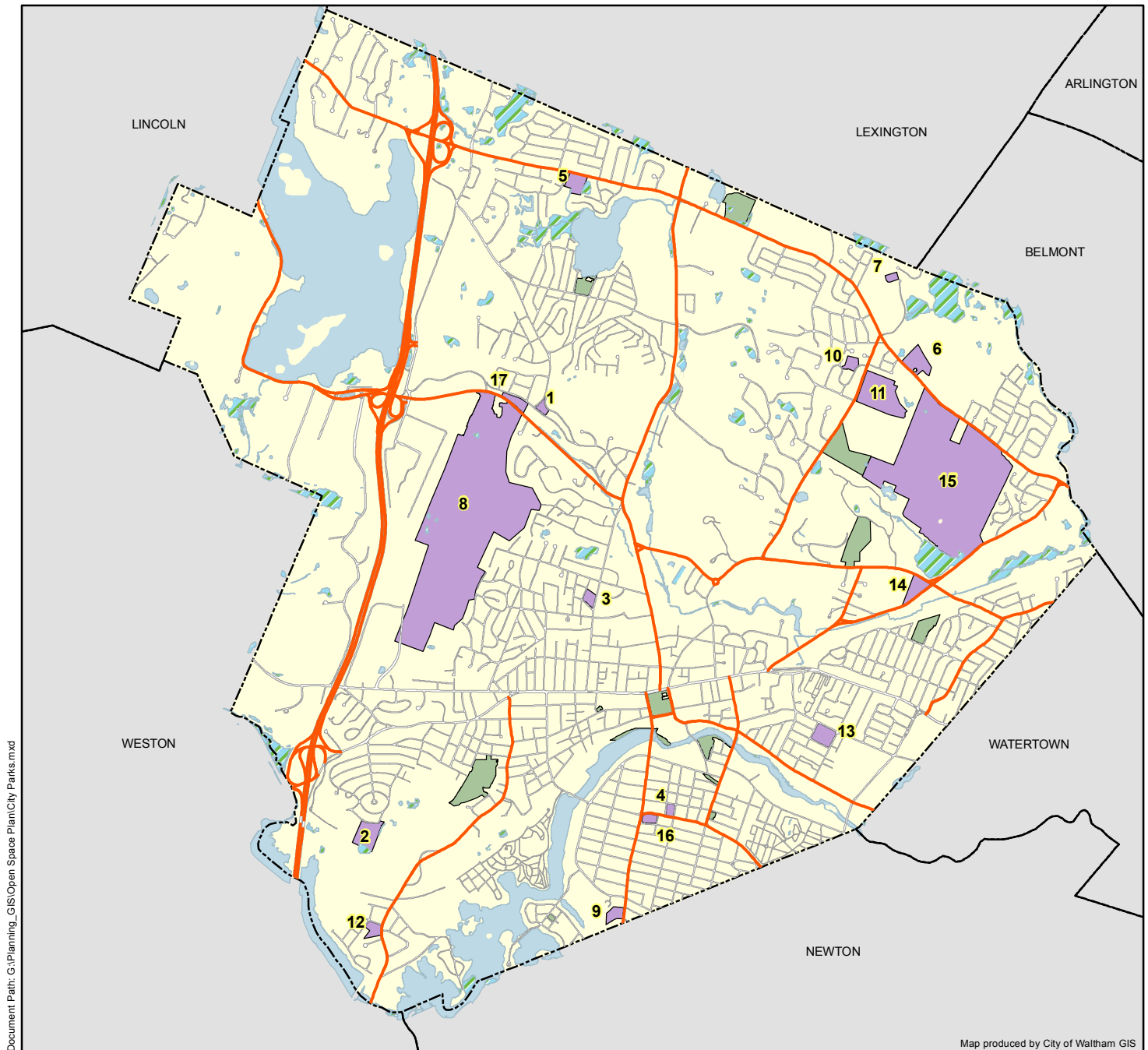
1. Restoration at Hardy Pond provided public access to the pond for fishing, boating and swimming.
2. Continued improvements to ADA upgrades listed in 504 plan.
3. Completed parking lot for public users at the former Met State Hospital site per the Re-Use plan.
4. Fernald Re-Use study of the Fernald Site.
5. Implemented site improvements to the former Gaebler Site.
6. New Signage implemented at the Paine Estate with continued efforts for public access at both the Paine Estate and Storer Conservation Lands.
7. Completion of the Connors Pool, located River-Newton St. Intersection.
8. Acquisition of Fernald Site.
9. Installed signage implemented for the protective acquisition at the Sanderson Heights parcel.
10. Site improvements to Msgr. McCabe Playground/Warrendale Playground.
11. Installed three (3) environmentally friendly comfort stations Prospect Hill Park.
12. Reconstruction of James P. Falzone Field along Trapelo Rd.
13. Site improvements at Nipper Maher Park – Ph. 5 & 6.
14. Wayside Rail Trail segment built at 1265 Main Street as part of Phase I.
15. Installed Citywide Wayfinding Signage throughout the community to highlight key assets.
16. Site improvements to McKenna Playground – along DCR Charles River Bikeway
17. Protection for Waltham Woods and Forest Street Park Woodlands
18. Renovations to Recreational Facilities to Logan Park Playground
19. Renovations to Recreational Facilities to Pond End Tot Lot
20. Secured two (2) State Grants for improvements to the Met State Hospital Parcel and Pond End Tot Lot Playground – totaling \$480k in State funding towards city projects
21. Construction of Fitch Water Spray Park
22. Elm Street Bridge North Bank multi-use path connection being constructed extending the Charles River Reservation to Moody Street.
23. ADA improvements to Logan Park Playground, McKenna, James P. Falzone, Nipper Maher, Fitch Water Spray Park, Pond End Tot Lot, Msgr. McCabe Playground/Warrendale Playground, Met State Hospital, Connors Pool, and Lazazzero Playground.
24. Master Plan Implementation of Recreation Facilities at Lazazzero Playground and Hardy Pond.
25. Actions in place to assist DCR efforts in the reduction of flooding issues at Beaver Brook
26. Field Restoration and Improvements to the Multi-Use Athletic Field at Kennedy Middle School

Improvements to Waltham Parks / Playgrounds Since 2010 Update of Open Space and Recreation Plan

Former Met State Hospital	New Parking Lot, Curbing, Drainage, Guardrail, Traffic Signage, Traffic Speed Measures, ADA Improvements, Bike Racks, Trees, Lawn Restoration
Former Gaebler School	Demolition of the Building, Site remediation, Cleanup and Lawn Improvements
Msgr. McCabe Playground/Warrendale Playground	New Perimeter Walking Path, Minor League Baseball, Spectator Seating, Perimeter Fencing, ADA Improvements, Site Amenities
James P. Falzone Memorial Park	New Multi-Purpose Synthetic Turf Field, Parking, Drainage, Spectator Bleachers, Players Benches, Parking, Signage, Conduit Future Lighting and Water/Sewer Utility for Future Restroom
Nipper Maher Park	Site Drainage, New playground, Water Spray Park element, Upgrades to Parking Lot, New T-ball field, Children's Learning Station-Play Equipment, Trees and Park Benches
McKenna Playground	Field Restoration behind Outfield Fencing / Along Charles River Bikeway, ADA Walkways, Benches, Lawn Restoration, New Trees, Guardrail, Access to Charles River Reservation
Logan Park Playground	New Children's Swing Set, Vegetation Improvements, Benches, ADA Improvements
Pond End Tot Lot	New Playground, Safety Surface, Drainage, Perimeter Fencing, Site Clearing, Lawn Restoration, Small Perimeter Walkway, Trees, Historical Signage, Park Signage and Security Lighting
Fitch Water Spray Park	New Water Spray Park Features, Fencing, Shade Canopies, Seating, Landscaping, Signage, ADA Improvements and Trash Receptacles
Lazazzero Playground	New Play Structures, Basketball Court, Perimeter Walkway, Public Access to Hardy Pond, New Parking Lot, Landscaping, Site Amenities, Signage, Safety Surface, Fencing, ADA Improvements, Fishing Pier and Boat Ramp.
Kennedy Middle School Athletic	New Multi – Use field, Complete Lawn Restoration, Irrigation and Fencing
Prospect Hill Park	Installed (3) Waterless Clivus ADA Comfort Stations

Action Plan: Current/Future Park Projects

Waltham, MA
2015 Open Space
& Recreation Plan



Legend

- Main Roads
- Streets
- Water Bodies
- Upland
- Wetland Area
- City Parks & Playgrounds
- City Parks & Playgrounds with Current/Future Projects
- City Boundary

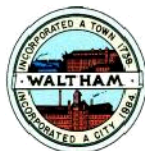
Parks & Playgrounds Current/Future Projects:

1. Pond End Tot-Lot
2. Cedarwood Playground
3. Drake Playground
4. Peter Gilmore Playground
5. Graverson Playground
6. Elsie Turner Field
7. Dog Park (MSH Property)
8. Prospect Hill Park Master Plan Improvements
9. Koutoujian Playground
10. Hillcroft Playground
11. Veteran's Memorial Athletic Complex
12. Bobby Connors Playground
13. Lowell Field Playground
14. Cornelia Warren Field
15. Fernald Property
16. Community & Cultural Center (510 Moody St.)
17. Veteran's Memorial Rink

N



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Section 10 Public Comments

Local Review

The Planning Department held two public meeting to review and develop this 2015 Plan. The first meeting provided the overall goal and framework for the OSRP and the second meeting provided an opportunity state the information we heard in the process and what we propose going forward. In addition, the draft plan was provided online for additional community input.

The following comments were considered when developing the final OSRP.

Summary of Citizen Comments

- Suggestion for the development of increasing the number of passive recreation areas (pocket parks) in the south district.
 - Available parcel to consider – 67 Crescent Street/along river.
- Public art was requested to be incorporated into existing and future parks and open space.
 - Water fountains
 - Sculptures
 - Wall art / murals
- Emphasize more wildlife preservation and creation of meadows, while educating users of methods to preserve the land.
- Explore the idea of banning the use of pesticides and other harmful chemicals in parks, playgrounds and green spaces.
- Major concern with sustainability and accessibility in our community.
- Increased access along and to our riverfront areas throughout the city.
- Much emphasis made on the opportunities which exist for Woerd Avenue Landfill, the size and what could result from improvements.
- Permanent deed restrictions need to be enforced on both certain parcels of our Community's open space and also surplus land – concerns with future headaches to result from this lack of existing restrictions.
- Cambridge Reservoir / create opportunities for more public access to resource - Waltham and Cambridge should collaborate on future opportunities that may exist.
- Stewardship of our existing open spaces and the development of a plan to clearly designating responsible Agency/City Departments – Educate the community on methods currently used and explore future opportunities that'll lead to the success of our open space parcels.
- Strengthen and add resources to the City's Forestry Department – i.e. of Prospect Hill Park and the health of the trees was mentioned multiple times.
- Certification of Vernal Pools within Sanderson Heights/Jericho Hill.
- More Community Gardens.
- Request to focus on an increase in the areas for active recreation.

- MassCentral ‘Wayside Rail Trail’ needs to be designed, implemented and built.
 - Request for a Bicycle plan.
 - Additional connections to our River/River walk with curb cuts/crosswalks.
- Hardy Pond Preservation conservation area needs to be established.
- More collaboration between city committees to coordinate plans/outcomes.
- Further the discussion surrounding zoning and the impact changes will have on the current community needs and future development strategies.

Attendees were encouraged to contact the Planning Department should any additional questions/concerns arise after the meetings.

Section 11 References

City of Waltham Recreation online resources <http://www.city.waltham.ma.us/recreation-department/pages/parks-facilities>

Massachusetts Statewide Comprehensive Outdoor Recreation Plan 2012 (SCORP) www.mass.gov/envir/dcs

The Open Space Planner's Workbook 2008 available online at www.mass.gov/envir/dcs

Waltham Planning Department, Update to the Open Space and Recreation Plan, prepared by the Waltham Planning Department, Waltham, MA, 2010

Executive Office of Energy and Environmental Affairs online guidance at www.mass.gov/envir

United States Department of Agriculture, Middlesex County Soil Survey Report, 2009

Waltham Land Trust (formed 2009) <http://walthamlandtrust.org/>

Recreation Board Survey Program and Services to Middle School Age Youths, 2008

Waltham Community Development Plan, 2007

Waltham Planning Department, Open Space and Recreation Plan, Waltham Planning Department, 2006

Healthy Waltham, A Report to the Community: A Picture of Health and Quality of Life in Waltham 2004-2005, April 2005.

“Envision Waltham 2020: Charting Our Future”, community visioning session, November, 2002.

Waltham Planning Department, Open Space and Recreation Plan, Waltham Planning Department, 2000

Walker-Kluesing Design Group, A Master Plan for the Restoration and Improvement of Prospect Hill Park, August 1997

Waltham Planning Department, Open Space and Recreation Plan, Waltham Planning Department, 1994

Waltham Planning Department, Recovery Action Program (RAP), Waltham, MA, 1992.

Nancy Childs, Beaver Brook Watershed Coalition, Plant Survey Data for the Metropolitan State Hospital Property, Waltham, MA, 1992

Kristen A. Peterson and Thomas J. Murphy, Waltham Rediscovered, 1988.

Metropolitan District Commission, Parks Engineering and Construction Division, Riverwalk-Charles River Reservation, Plans prepared by Carol R. Johnson and Associates, Cambridge, MA, March 1986.

Waltham Planning Department, Open Space and Recreation Plan, prepared by Downe and Welles Associates, Waltham, MA, 1988

Thomas M. Paine, Charles River Corridor Plan; Inventory and Analysis, Charles River Watershed Association, Boston, MA, June 1981.

Appendix A - ADA Self Evaluation

Under the Americans with Disabilities Act, no handicapped person shall be excluded from participating in, be denied of, or otherwise subject to discrimination under any program or activity that receives Federal financial assistance.

Designation of the ADA Coordinator

The City of Waltham has designated Kristin Murphy, as the ADA Coordinator. Ms. Murphy serves as the Director of Personnel and her office is located in the Personnel Department at Government Center, 119 School Street, Waltham, MA 02451. Her phone number is (781) 314-3360 and email is kmurphy@city.waltham.ma.us .

The City of Waltham also has a *Disability Services Commission*, established in 1987. The Commission holds monthly public meetings (except July and December). Additional information on the Commission can be found on the City of Waltham's webpage <http://www.city.waltham.ma.us/disability-services-commission> .

I attest that this information is correct.



Jeannette A. McCarthy, Mayor

4/27/15

Date

Part I: Administrative Requirements

The City of Waltham Disability Services Commission consists of seven voting members appointed by the Mayor and confirmed by the City Council. One member is an elected or appointed official of the City. The majority of the members consist of handicapped persons, all residents of the City. The Disability Commission identifies, analyzes, and monitors public policies, programs, services and regulations that effect or may affect persons with disabilities. The commission makes recommendations and provides comprehensive coordination and support to appropriate City departments concerning public policies, programs, services and regulations. Mark Johnson has been designated as ADA Coordinator and Disabilities Services Commission Chairperson for the City of Waltham.

If a person with a disability believes they have been discriminated against or denied access to a program or facility under the jurisdiction of the Conservation Commission or the Department of Recreation, the grievance procedure shall be followed. This grievance procedure applies to all programs funded with federal funds through the Planning Department and can also be found on the City of Waltham Planning Department website (<http://www.city.waltham.ma.us/planning-department>) and in the City of Waltham Federal Funding Policy and Procedures Manual.

City of Waltham Planning Department Grievance Policy Equal Access to Facilities and Activities

PURPOSE AND SCOPE:

The purpose of this policy is to outline the City of Waltham's policy relative to the U.S. Americans with Disability Act of 1990. The City ensures compliance with applicable federal laws, state statutes and city ordinances. Please see also the City's Equal Employment Opportunity Policy and the Harassment Policy.

APPLICABILITY:

This policy applies to all applicants and current employees of the City of Waltham, all employees of any agency or vendor in receipt of federal funding and any person benefiting from a program or service funded with federal funding.

DEFINITIONS:

Qualified Individual: an individual who, with or without reasonable accommodation, can perform the essential functions of the position that the individual holds or desires.

Disability: a physical or mental impairment that substantially limits one or more major life activities of the individual; a record of such impairment, being regarded as having such impairment.

Major Life Activities: major life activities include, but are limited to, caring for oneself, performing manual tasks, seeing, hearing, eating, sleeping, walking, standing, lifting, bending, speaking, breathing, learning, reading, concentrating, thinking, communicating, and working. The definition also includes the operation of major bodily functions such as the immune system, normal cell growth, digestive, bowel, bladder, neurological, brain, respiratory, circulatory, endocrine and reproductive functions.

Reasonable Accommodation: a modification or adjustment to a job, employment practices, or work environment that makes it possible for an individual with a disability to enjoy an equal employment opportunity.

Undue Hardship: an action that is excessively costly, extensive, substantial, or disruptive, or that would fundamentally alter the nature or operation of the department.

COMPLAINTS & GRIEVANCE PROCEDURE

The purpose of this procedure is to encourage local resolution of grievances concerning citizens allegedly denied equal access to facilities and activities sponsored by the City of Waltham. It is important to note that grievances are not required to exhaust the City's procedures prior to filing a state or federal complaint or taking court action.

Anyone who feels that he or she has been discriminated against by the City of Waltham on the basis of race, color, national origin, sex, age, religion, familial status, source of income, ancestry, marital status, genetic information, public assistance, gender identity, disability, sexual orientation, or veteran status may file a grievance.

The grievance should be in writing and should contain information about the alleged discrimination such as the name, address, and phone number of the grievant and the location, date and description of the incident(s), reasonable accommodation, such as personal interviews or a tape recording of the complaint, will be made available for persons with disabilities who are unable to submit a written complaint.

The Planning Department Head will notify the Personnel Director and Recreation Director if such a grievance is submitted.

If the grievance is not resolved to the satisfaction of the grievant, or if the Department Head lacks authority or jurisdiction to correct the problem, the grievance should be submitted by the grievant and/or his/her designee as soon as possible to the Personnel Director.

Within fifteen (15) calendar days after receipt of the grievance, the Personnel Director will meet with the grievant to discuss the grievance and possible resolutions. Within fifteen (15) calendar days after the meeting, the Personnel Director will respond to the grievant in writing, or, where appropriate, in a format accessible to the grievant such as audio tape. The response will explain the position of the City of Waltham and may offer options for substantive resolution of the grievance.

If the response by the Personnel Director does not satisfactorily resolve the issue, the grievant or his or her designee may appeal the decision of the Personnel Director to the Mayor or her designee by filing a written appeal within fifteen (15) calendar days of receipt of the decision of the Personnel Director.

Within fifteen (15) days of receipt of the appeal, the Mayor or her designee will meet with the grievant to discuss the grievance and possible resolutions. Within fifteen (15) calendar days after the meeting with the Mayor or her designee, the Mayor or her designee will respond in writing, or, where appropriate, in a format accessible to the grievant, with a final resolution of the grievance.

All grievances received by the Personnel Director, appeals to the Mayor, and responses from same, will be kept by the City of Waltham for at least seven (7) years. Such documents will remain strictly confidential.

This grievance procedure is meant to be informal and not be legally binding on either party. Any grievance or complaint involving existing or threatened civil or criminal litigation may not be addressed using this informal procedure.

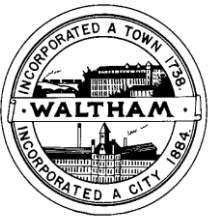
EXTERNAL AGENCIES:

Using the City of Waltham's grievance process does not prohibit an employee from filing a complaint with the following federal and state agencies.

MCAD

1 Ashburton Place
Room 601
Boston, MA 02108
617-727-3990

EEOC Boston Office
1 Congress Street, 10th Floor
Boston, MA 02114
617-565-3200



CITY OF WALTHAM

REASONABLE ACCOMMODATION REQUEST FORM

To: _____
(Planning Department Head)

From: _____
(Name requesting accommodation)

Address: _____
Street Apt. # City State Zip

Telephone: _____
Home Cell

REQUEST FOR REASONABLE ACCOMMODATION

I am requesting an accommodation because I am intending to participate in and/or attend a City sponsored event at a location under the jurisdiction of the City and/or Conservation Commission. The accommodation requested will allow me to participate in the activity.

My specific functional limitation is _____.

Describe the type of accommodation

Describe how this accommodation will assist you. Please attach addition sheets if necessary.

Certification

I certify that I have a disability or medical condition that requires a reasonable accommodation, which will be met by acquiring the equipment, services, or work adjustment described above.

Signature: _____ Date: _____

Part II: Program Accessibility

In March 2015 the Planning Department completed inventory sheets for each facility under the jurisdiction of the Recreation Department and the Conservation Commission. This inventory only involves properties under

the jurisdiction of the Conservation Commission and the Department of Recreation. Included in the inventory are buildings, facilities and equipment, programs and services offered. The full inventory is attached to the end of this section.

The inventory sheets provided insight on which facilities and programs are not fully accessible. In 2013 the City of Waltham hired a consultant to provide the City with a City wide accessibility transition plan. The transition plan is being completed in phases and is due to address facilities under the jurisdiction of the Recreation Department and the Conservation Commission by 2016.

Until the transition plan has been fully completed, the Planning Department intends to provide the following changes to the facilities, open to the general public, found to be inaccessible.

Additionally, the following Recreation Department facilities are included in the Mayor's 5 Year Capital Improvement Plan. The facilities in the CIP which will be completely renovated are:

- Bobby Connors Playground
- Elsie Turner Field
- Veterans Memorial Athletic Complex
- Logan Park
- Lowell Field
- McKenna Playground
- Nipper Maher Park
- Cedarwood Playground
- Drake Playground
- James P. Falzone Memorial Park
- Peter Gilmore Playground
- Graverson Playground
- Hillcroft Playground
- "Jack" Koutoujian Playground

Appendix A
Facility Inventory
A= Accessible | D = Deficient | NA = Not Applicable

Location	Parking	Ramps	Paths	Stairs	Restrooms	Floors	Signs / Signals	Picnic Area
Prospect Hill Park	A	A	A	A	A	A	A	D
Storer Conservation/Paine Estate	A	A	A	A	A	A	A	NA
Waltham Common	A	A	A	A	NA	A	A	NA
Shady's Pond Conservaton Area	D	NA	D	NA	NA	NA	NA	NA
Chester Brook Woods	NA	NA	D	NA	NA	NA	NA	NA
Met Sate Lawns (Lot 2)	A	NA	A	NA	NA	NA	A	NA
Mount Feake Cemetery	A	A	D	D	NA	A	A	NA
Grove Hill Cemetery	NA	NA	NA	NA	NA	NA	NA	NA
Leary Field	A	A	A	NA	NA	NA	NA	NA
Wayside Rail Trail	NA	NA	NA	NA	NA	NA	NA	NA
Cedarwood Playground	NA	A	D	NA	NA	NA	NA	D
Corneila Warren	A	NA	NA	NA	NA	NA	NA	NA
Drake Playground	A	NA	D	NA	NA	A	A	NA
James P. Falzone Memorial Park	A	NA	A	NA	NA	NA	A	NA
Peter Gilmore Playground	NA	NA	NA	NA	NA	NA	NA	NA
Graverson Playground	A	NA	A	NA	NA	NA	A	D
Hilcroft Playground	NA	NA	NA	NA	NA	NA	NA	NA
"Jack" Koutoujian Playground	NA	A	A	A	NA	NA	NA	NA
Lazazzero Playground	A	A	A	A	NA	NA	NA	NA
Logan Park	NA	NA	NA	NA	NA	NA	NA	NA
Lowell Field	A	NA	NA	NA	NA	NA	NA	NA
McDonald Playground	NA	NA	NA	NA	NA	NA	NA	NA
McKenna Playground	A	NA	A	NA	NA	A	A	NA
Msgr. McCabe/Warrendale Playground	A	NA	A	NA	NA	A	A	A
Nipper Maher Park	A	NA	A	NA	NA	A	A	A
Pond End Tot Lot	NA	NA	NA	NA	NA	NA	NA	NA
Bobby Connors Playground	NA	NA	NA	NA	NA	NA	NA	NA
Elsie Turner Field	D	NA	D	NA	NA	NA	D	NA
Thompson Playground	NA	NA	NA	NA	NA	NA	NA	NA
Veterans Memorial Athletic Complex	A	NA	A	A	A	A	A	A

LOCATION: Prospect Hill Park

PARKING			
<i>Total Spaces</i>	<i>Required Accessible Spaces</i>		
Up to 25	1 space		
26-50	2 spaces		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
I			
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than ½" thick are securely fastened	X		
Door mats more than ½" thick are recessed	X		
Grates in path of travel have openings of ½" maximum	X		
Signs at non-accessible entrance(s) indicate direction to accessible entrance	X		
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

STAIRS and DOORS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	X		
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	X		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door	X		
Door adjacent to revolving door is accessible and unlocked	X		
Doors opening into hazardous area have hardware that is knurled or roughened	X		

NOTES

RESTROOMS – also see Doors and Vestibules			
Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12” from the floor	X		
At least one Sink:			
Clear floor space of 30” by 48” to allow a forward approach	X		
Mounted without pedestal or legs, height 34” to top of rim	X		
Extends at least 22” from the wall	X		
Open knee space a minimum 19” deep, 30” width, and 27” high	X		
Cover exposed pipes with insulation	X		
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:			
Accessible to person using wheelchair at 60” wide by 72” deep	X		
Stall door is 36” wide	X		
Stall door swings out	X		
Stall door is self closing	X		
Stall door has a pull latch	X		
Lock on stall door is operable with a closed fist, and 32” above the floor	X		
Coat hook is 54” high	X		
Toilet			
18” from center to nearest side wall	X		
42” minimum clear space from center to farthest wall or fixture	X		
Top of seat 17”-19” above the floor	X		
Grab Bars			
On back and side wall closest to toilet	X		
1 ¼” diameter	X		
1 ½” clearance to wall	X		
Located 30” above and parallel to the floor	X		
Acid-etched or roughened surface	X		
42” long	X		
Fixtures			
Toilet paper dispenser is 24” above floor	X		
One mirror set a maximum 38” to bottom (if tilted, 42”)	X		
Dispensers (towel, soap, etc) at least one of each a maximum 42” above the floor	X		

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	X		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area			
Specification	Yes	No	Comments/Transition Notes
Ramp at least 34” wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18” above the path of travel and a minimum of 18” wide			
Unobstructed path of travel not less than 48” wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
Specification	Yes	No	Comments/Transition Notes
Stalls 36” by 60” minimum, with a 36” door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42” to 72” above the floor			
Seat is hinged and padded and at least 16” deep, folds upward, securely attached to side wall, height is 18” to the top of the seat, and at least 24” long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30” and one 48” long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36” above the floor line			
PICNICKING			
Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30” wide and 19” deep per seating space and not less than 27” clear from the ground to the underside of the table. An additional 29” clear space (totaling 48”) must extend beyond the 19” clear space under the table to provide access	X		
For tables without toe clearance, the knee space under the table must be at least 28” high, 30” wide and 24” deep.	X		
Top of table no higher than 32” above ground	X		
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		X	Improvements to reonvate picnic areas is part of the overall master plan for the entire park
Accessible tables, grills and fire rings must have clear ground space of at least 36” around the perimeter	X		

LOCATION: Storer Conservation/Paine Estate

PARKING			
Total Spaces	Required Accessible Spaces		
Up to 25	1 space		
26-50	2 spaces		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than 1/2" thick are securely fastened	X		
Door mats more than 1/2" thick are recessed	X		
Grates in path of travel have openings of 1/2" maximum	X		
Signs at non-accessible entrance(s) indicate direction to accessible entrance	X		
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

STAIRS and DOORS			
Specification	Yes	No	Comments/Transition Notes
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	X		
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	X		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door	X		
Door adjacent to revolving door is accessible and unlocked	X		
Doors opening into hazardous area have hardware that is knurled or roughened	X		

NOTES

RESTROOMS – also see Doors and Vestibules			
Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12” from the floor	X		
At least one Sink:			
Clear floor space of 30” by 48” to allow a forward approach	X		
Mounted without pedestal or legs, height 34” to top of rim	X		
Extends at least 22” from the wall	X		
Open knee space a minimum 19” deep, 30” width, and 27” high	X		
Cover exposed pipes with insulation	X		
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:			
Accessible to person using wheelchair at 60” wide by 72” deep	X		
Stall door is 36” wide	X		
Stall door swings out	X		
Stall door is self closing	X		
Stall door has a pull latch	X		
Lock on stall door is operable with a closed fist, and 32” above the floor	X		
Coat hook is 54” high	X		
Toilet			
18” from center to nearest side wall	X		
42” minimum clear space from center to farthest wall or fixture	X		
Top of seat 17”-19” above the floor	X		
Grab Bars			
On back and side wall closest to toilet	X		
1 ¼” diameter	X		
1 ½” clearance to wall	X		
Located 30” above and parallel to the floor	X		
Acid-etched or roughened surface	X		
42” long	X		
Fixtures			
Toilet paper dispenser is 24” above floor	X		
One mirror set a maximum 38” to bottom (if tilted, 42”)	X		
Dispensers (towel, soap, etc) at least one of each a maximum 42” above the floor	X		

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	X		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach	X		
Electrical outlets centered no lower than 18" above the floor	X		
Warning signals must be visual as well as audible	X		
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

LOCATION: Waltham Common

PARKING			
<i>Total Spaces</i>	<i>Required Accessible Spaces</i>		
Up to 25	1 space		
26-50	2 spaces		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbside cut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbside cut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than ½" thick are securely fastened	X		
Door mats more than ½" thick are recessed	X		
Grates in path of travel have openings of ½" maximum	X		
Signs at non-accessible entrance(s) indicate direction to accessible entrance	X		
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

STAIRS and DOORS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	X		
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	X		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door	X		
Door adjacent to revolving door is accessible and unlocked	X		
Doors opening into hazardous area have hardware that is knurled or roughened	X		

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	X		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

LOCATION: Shady's Pond Conservation Area

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance		X	No formal parking areas
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X	No formal parking areas
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	No formal parking areas
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	No formal parking areas
Sign with international symbol of accessibility at each space or pair of spaces		X	No formal parking areas
Sign minimum 5 ft, maximum 8 ft to top of sign		X	No formal parking areas
Surface evenly paved or hard-packed (no cracks)		X	No formal parking areas
Surface slope less than 1:20, 5%		X	No formal parking areas
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present		X	No formal parking areas
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow		X	No formal parking areas
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	No formal parking areas
Disembarking area at accessible entrance		X	No formal parking areas
Surface evenly paved or hard-packed		X	No formal parking areas
No ponding of water		X	No formal parking areas
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	Man made/Natural
3 ft wide minimum		X	Man made/Natural
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).			
Continuous common surface, no changes in level greater than ½ inch		X	Varying degrees of Topography
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	Man made/Natural
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	Man made/Natural
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	Man made/Natural
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

LOCATION: Chesterbrook Woods

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance			
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			
Sign with international symbol of accessibility at each space or pair of spaces			
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)			
Surface slope less than 1:20, 5%			
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	Uncertain
Disembarking area at accessible entrance		X	Uncertain
Surface evenly paved or hard-packed		X	Uncertain
No ponding of water		X	Uncertain
Path of Travel			
Path does not require the use of stairs		X	Natural/Made made paths
Path is stable, firm and s lip resistant		X	Natural/Made made paths
3 ft wide minimum		X	Natural/Made made paths
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	Natural/Made made paths
Continuous common surface, no changes in level greater than ½ inch		X	Natural/Made made paths
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	Natural/Made made paths
Objects protruding more than 4” from the wall must be within 27” of the ground, or higher than 80”		X	Natural/Made made paths
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	Natural/Made made paths
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32” clear width opening (i.e. 36” door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48” and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½” thick are securely fastened			
Door mats more than ½“ thick are recessed			
Grates in path of travel have openings of ½” maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

LOCATION: Met State Lawns (Lot 2)

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and s lip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

LOCATION: Mt. Feake Cemetery

PARKING			
Total Spaces	Required Accessible Spaces		
Up to 25	1 space		
26-50	2 spaces		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than 1/2" thick are securely fastened	X		
Door mats more than 1/2" thick are recessed	X		
Grates in path of travel have openings of 1/2" maximum	X		
Signs at non-accessible entrance(s) indicate direction to accessible entrance	X		
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

STAIRS and DOORS			
Specification	Yes	No	Comments/Transition Notes
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	X		
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	X		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door	X		
Door adjacent to revolving door is accessible and unlocked	X		
Doors opening into hazardous area have hardware that is knurled or roughened	X		

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	X		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

LOCATION: Leary Field

PARKING			
Total Spaces	Required Accessible Spaces		
Up to 25	1 space		
26-50	2 spaces		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

LOCATION: Cedarwood Playground

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance			
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			
Sign with international symbol of accessibility at each space or pair of spaces			
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)			
Surface slope less than 1:20, 5%			
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch		X	Park Reconstruction set to begin Spring 2015 and continuous common surface is being implemented throughout entire park.
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2" thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area			
Specification	Yes	No	Comments/Transition Notes
Ramp at least 34” wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18” above the path of travel and a minimum of 18” wide			
Unobstructed path of travel not less than 48” wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
Specification	Yes	No	Comments/Transition Notes
Stalls 36” by 60” minimum, with a 36” door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42” to 72” above the floor			
Seat is hinged and padded and at least 16” deep, folds upward, securely attached to side wall, height is 18” to the top of the seat, and at least 24” long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30” and one 48” long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36” above the floor line			
PICNICKING			
Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30” wide and 19” deep per seating space and not less than 27” clear from the ground to the underside of the table. An additional 29” clear space (totaling 48”) must extend beyond the 19” clear space under the table to provide access		X	Upgrades to areas for picnic will take place during the upcoming reconstruction of the park set to take place Spring 2015
For tables without toe clearance, the knee space under the table must be at least 28” high, 30” wide and 24” deep.			
Top of table no higher than 32” above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		X	Upgrades to areas for picnic will take place during the upcoming reconstruction of the park set to take place Spring 2015
Accessible tables, grills and fire rings must have clear ground space of at least 36” around the perimeter			

LOCATION: Corneila Warren

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

LOCATION: Drake Playground

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed			
No ponding of water		X	Upcoming reconstruction to address and rectify issue
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface			
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	X		
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

LOCATION: James P. Falzone Memorial Park

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface			
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

LOCATION: Graverson Playground

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface			
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Ramp at least 34” wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18” above the path of travel and a minimum of 18” wide			
Unobstructed path of travel not less than 48” wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Stalls 36” by 60” minimum, with a 36” door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42” to 72” above the floor			
Seat is hinged and padded and at least 16” deep, folds upward, securely attached to side wall, height is 18” to the top of the seat, and at least 24” long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30” and one 48” long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36” above the floor line			
PICNICKING			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30” wide and 19” deep per seating space and not less than 27” clear from the ground to the underside of the table. An additional 29” clear space (totaling 48”) must extend beyond the 19” clear space under the table to provide access	X		
For tables without toe clearance, the knee space under the table must be at least 28” high, 30” wide and 24” deep.		X	Future improvements will address these ADA issues with the new elements added during reconstrucion
Top of table no higher than 32” above ground		X	New tables will address ADA
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		X	Future improvements will address these ADA issues with the new elements added during reconstrucion
Accessible tables, grills and fire rings must have clear ground space of at least 36” around the perimeter			

LOCATION: Koutoujian Playground

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance			
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			
Sign with international symbol of accessibility at each space or pair of spaces			
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)			
Surface slope less than 1:20, 5%			
Curbside cut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			
Curbside cut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

STAIRS and DOORS			
Specification	Yes	No	Comments/Transition Notes
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	X		
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			

NOTES

LOCATION: Lazazzero Playground

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

STAIRS and DOORS			
Specification	Yes	No	Comments/Transition Notes
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	X		
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			

NOTES

LOCATION: Lowell Field

PARKING			
Total Spaces	Required Accessible Spaces		
Up to 25	1 space		
26-50	2 spaces		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

LOCATION: McKenna Playground

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface			
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	X		
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

LOCATION: McCabe/Warrendale Playground

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface			
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	X		
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area			
Specification	Yes	No	Comments/Transition Notes
Ramp at least 34” wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18” above the path of travel and a minimum of 18” wide			
Unobstructed path of travel not less than 48” wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
Specification	Yes	No	Comments/Transition Notes
Stalls 36” by 60” minimum, with a 36” door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42” to 72” above the floor			
Seat is hinged and padded and at least 16” deep, folds upward, securely attached to side wall, height is 18” to the top of the seat, and at least 24” long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30” and one 48” long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36” above the floor line			
PICNICKING			
Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30” wide and 19” deep per seating space and not less than 27” clear from the ground to the underside of the table. An additional 29” clear space (totaling 48”) must extend beyond the 19” clear space under the table to provide access	X		
For tables without toe clearance, the knee space under the table must be at least 28” high, 30” wide and 24” deep.	X		
Top of table no higher than 32” above ground	X		
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions	X		
Accessible tables, grills and fire rings must have clear ground space of at least 36” around the perimeter	X		

LOCATION: Nipper Maher Park

PARKING			
<i>Total Spaces</i>	<i>Required Accessible Spaces</i>		
Up to 25	1 space		
26-50	2 spaces		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface			
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	X		
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area			
Specification	Yes	No	Comments/Transition Notes
Ramp at least 34” wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18” above the path of travel and a minimum of 18” wide			
Unobstructed path of travel not less than 48” wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
Specification	Yes	No	Comments/Transition Notes
Stalls 36” by 60” minimum, with a 36” door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42” to 72” above the floor			
Seat is hinged and padded and at least 16” deep, folds upward, securely attached to side wall, height is 18” to the top of the seat, and at least 24” long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30” and one 48” long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36” above the floor line			
PICNICKING			
Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30” wide and 19” deep per seating space and not less than 27” clear from the ground to the underside of the table. An additional 29” clear space (totaling 48”) must extend beyond the 19” clear space under the table to provide access	X		
For tables without toe clearance, the knee space under the table must be at least 28” high, 30” wide and 24” deep.	X		
Top of table no higher than 32” above ground	X		
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions	X		
Accessible tables, grills and fire rings must have clear ground space of at least 36” around the perimeter	X		

LOCATION: Elsie Turner Field

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance		X	Currently being redeisnged to meet all ADA standards
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X	Currently being redeisnged to meet all ADA standards
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	Currently being redeisnged to meet all ADA standards
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			
Sign with international symbol of accessibility at each space or pair of spaces		X	Renovations will incorporate all new signage
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)			
Surface slope less than 1:20, 5%			
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow		X	Currently being redesigned to meet all ADA standards
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	Implemented into the new reconstruction
Disembarking area at accessible entrance		X	Implemented into the new reconstruction
Surface evenly paved or hard-packed		X	Implemented into the new reconstruction
No ponding of water		X	Issue will be resolved in the new project reconstruction
Path does not require the use of stairs			
Path is stable, firm and slip resistant			
3 ft wide minimum			
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).			
Continuous common surface, no changes in level greater than ½ inch			
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane			
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			
Curb on the pathway must have curb cuts at drives, parking and drop-offs			
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than ½" thick are securely fastened			
Door mats more than ½" thick are recessed			
Grates in path of travel have openings of ½" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface			
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign		X	
Within 18" of door jamb or recessed		X	
Letters and numbers a t least 1 1/4" high		X	
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color		X	

NOTES

LOCATION: Veteran's Memorial Athletic Complex

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than ½" thick are securely fastened	X		
Door mats more than ½" thick are recessed	X		
Grates in path of travel have openings of ½" maximum	X		
Signs at non-accessible entrance(s) indicate direction to accessible entrance	X		
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

STAIRS and DOORS			
Specification	Yes	No	Comments/Transition Notes
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	X		
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	X		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door	X		
Door adjacent to revolving door is accessible and unlocked	X		
Doors opening into hazardous area have hardware that is knurled or roughened	X		

NOTES

RESTROOMS – also see Doors and Vestibules			
Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12” from the floor	X		
At least one Sink:			
Clear floor space of 30” by 48” to allow a forward approach	X		
Mounted without pedestal or legs, height 34” to top of rim	X		
Extends at least 22” from the wall	X		
Open knee space a minimum 19” deep, 30” width, and 27” high	X		
Cover exposed pipes with insulation	X		
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:			
Accessible to person using wheelchair at 60” wide by 72” deep	X		
Stall door is 36” wide	X		
Stall door swings out	X		
Stall door is self closing	X		
Stall door has a pull latch	X		
Lock on stall door is operable with a closed fist, and 32” above the floor	X		
Coat hook is 54” high	X		
Toilet			
18” from center to nearest side wall	X		
42” minimum clear space from center to farthest wall or fixture	X		
Top of seat 17”-19” above the floor	X		
Grab Bars			
On back and side wall closest to toilet	X		
1 ¼” diameter	X		
1 ½” clearance to wall	X		
Located 30” above and parallel to the floor	X		
Acid-etched or roughened surface	X		
42” long	X		
Fixtures			
Toilet paper dispenser is 24” above floor	X		
One mirror set a maximum 38” to bottom (if tilted, 42”)	X		
Dispensers (towel, soap, etc) at least one of each a maximum 42” above the floor	X		

NOTES

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	X		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	X		
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers a t least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

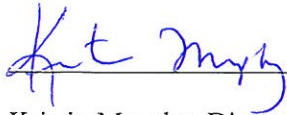
NOTES

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area			
Specification	Yes	No	Comments/Transition Notes
Ramp at least 34” wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18” above the path of travel and a minimum of 18” wide			
Unobstructed path of travel not less than 48” wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
Specification	Yes	No	Comments/Transition Notes
Stalls 36” by 60” minimum, with a 36” door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42” to 72” above the floor			
Seat is hinged and padded and at least 16” deep, folds upward, securely attached to side wall, height is 18” to the top of the seat, and at least 24” long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30” and one 48” long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36” above the floor line			
PICNICKING			
Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30” wide and 19” deep per seating space and not less than 27” clear from the ground to the underside of the table. An additional 29” clear space (totaling 48”) must extend beyond the 19” clear space under the table to provide access	X		
For tables without toe clearance, the knee space under the table must be at least 28” high, 30” wide and 24” deep.	X		
Top of table no higher than 32” above ground	X		
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions	X		
Accessible tables, grills and fire rings must have clear ground space of at least 36” around the perimeter	X		

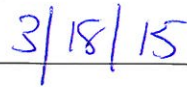
Employment Practices

The City's employment practices are in compliance with the *Americans with Disabilities Act*, including procedures for recruitment, personnel actions, leave administration, training, tests, medical examinations and questionnaires, social and recreational programs, fringe benefits, collective bargaining agreements, and wage and salary administration.

I attest that this information is correct.

A handwritten signature in blue ink, appearing to read "Kristin Murphy", is written over a horizontal line.

Kristin Murphy, Director of Personnel

A handwritten date "3/18/15" in blue ink is written over a horizontal line.

Date

Appendix B - City of Waltham Open Space and Recreation Survey

In which Ward do you live? (1-9) *

--

How many children under 18 live in your household?

0 1 2 3 4 5+

How many years have you lived in Waltham?

() 0 – 1 () 2 - 9 () 10 - 19 () 20 - 29 () 30+

Which of the following outdoor spaces do you use often?

- | | | |
|--|--|--|
| <input type="checkbox"/> Waltham Common | <input type="checkbox"/> Prospect Hill Park | <input type="checkbox"/> Robert Treat Paine Estate |
| <input type="checkbox"/> Nipper Maher Park | <input type="checkbox"/> Met. State Hospital | <input type="checkbox"/> Charles River Walkway |
| <input type="checkbox"/> Beaver Brook Reservation | <input type="checkbox"/> The Charles River | <input type="checkbox"/> Neighborhood Park |
| <input type="checkbox"/> Waltham Woods / Forest St. Park | <input type="checkbox"/> Other: _____ | |

How would you normally travel to the recreation facility or green space?

- | | | |
|---|--|--|
| <input type="checkbox"/> Walking Path or Sidewalk | <input type="checkbox"/> Biking (path or road) | <input type="checkbox"/> Public Transportation (rail, bus) |
| <input type="checkbox"/> Personal Vehicle | <input type="checkbox"/> Other: _____ | |

Do you feel the City currently has enough green space?

- | | |
|------------------------------|-----------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|------------------------------|-----------------------------|

Do you feel the City currently has enough outdoor recreational space?

- | | |
|------------------------------|-----------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|------------------------------|-----------------------------|

Of the following, which do you feel are needed most in Waltham?

- | | |
|--|--|
| <input type="checkbox"/> Increasing the number of bicycle trails | <input type="checkbox"/> Preserving conservation areas |
| <input type="checkbox"/> Updating neighborhood parks | <input type="checkbox"/> Improving access to water bodies |
| <input type="checkbox"/> Increased number of family picnic areas | <input type="checkbox"/> Improved playgrounds for children |
| <input type="checkbox"/> Additional spray parks | <input type="checkbox"/> Additional recreation areas (basketball, tennis etc.) |
| <input type="checkbox"/> Expanded hiking and fitness trails | <input type="checkbox"/> Increased accessibility to recreation facilities |
| <input type="checkbox"/> Protecting bodies of water | <input type="checkbox"/> Preserving historical value |
| <input type="checkbox"/> Creating healthier transportation options | <input type="checkbox"/> Other _____ |

What do you like best about the green space and recreation in Waltham?

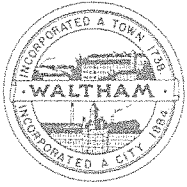
What do you least like about the green space and recreation in Waltham?

Are there any specific parcels you think the City should acquire for green / recreational space?

Provide a note to any deficiencies at existing facilities and open spaces

ex. poor lighting, parking, security etc

Appendix C - Letters of Support



City of Waltham

Jeannette A. McCarthy
Mayor

April 27, 2015

Mr. Matthew A. Beaton, Secretary
Executive Office of Energy and Environmental Affairs
Division of Conservation Services
100 Cambridge Street
Boston, MA 02114

Dear Secretary Beaton:

I am pleased to submit the 2015-2022 Open Space and Recreation Plan for the City of Waltham. This Plan provides a solid framework for the City's decision making and planning relative to open space, land use and recreation. Implementation of this plan will help protect natural resources while enhancing recreational opportunities.

The 2015-2022 Open Space and Recreation Plan will serve as a comprehensive guide for the City to preserve, protect and expand open space and to promote a wide variety of recreational activities.

I look forward to your continued support of Waltham's commitment to protect our natural amenities and to meeting the recreational needs of our community.

Sincerely,

Jeannette A. McCarthy

JAM/ns

Enclosure



SMART GROWTH AND REGIONAL COLLABORATION

April 17, 2015

Catherine Cagle
Planning Director
City of Waltham Planning Department
Government Center 119 School Street, Suite 25
Waltham, MA 02452

Dear Ms. Cagle:

Thank you for submitting the "City of Waltham 2015-2022 Open Space and Recreation Plan" to the Metropolitan Area Planning Council (MAPC) for review.

The Division of Conservation Services (DCS) requires that all open space plans must be submitted to the regional planning agency for review. This review is advisory and only DCS has the power to approve a municipal open space plan. While DCS reviews open space plans for compliance with their guidelines, MAPC reviews these plans for their attention to regional issues generally and more specifically for consistency with *MetroFuture*, the regional policy plan for the Boston metropolitan area.

Consistency with *MetroFuture* - *MetroFuture* is the official regional plan for Greater Boston, adopted consistently with the requirements of Massachusetts General Law. The plan includes goals and objectives as well as 13 detailed implementation strategies for accomplishing these goals. We encourage all communities to become familiar with the plan by visiting the web site at <http://www.mapc.org/metrofuture> and scrolling down to the PDF of the implementation strategies.

The Waltham Open Space and Recreation Plan does not specifically mention *MetroFuture*. We encourage communities to include a brief paragraph about *MetroFuture* in Chapter III under Regional Context. Ideally this paragraph should explain ways in which the Waltham Open Space and Recreation Plan will help to advance some of the goals and implementation strategies that relate specifically to open space, recreation, and the environment generally.

In the case of Waltham's plan, this shouldn't be too hard to do since we see many positive connections between your plan and *MetroFuture* such as the discussion of regional open space resources and adoption of the Community Preservation Act.

Surrounding communities- In the section on regional context, there should be mention made of the open space planning activities and open space plans of surrounding communities. Connections between those communities and the open space needs and objectives of Waltham should be explored. We encourage all communities to consult with their neighbors concerning their open space plans and initiatives especially since open space parcels and similar resources often occur near

municipal boundaries and can be influenced by the actions of neighbors.

Duration of the Plan - The Division of Conservation Services now allows open space and recreation plans to be good for seven years if a seven year action plan is submitted. If you add two more years' worth of activities to your action plan it will extend the life of the plan. The Waltham Open Space and Recreation Plan is very thorough and it should serve the city well as it continues its efforts to preserve open space and provide for the recreational needs of its residents.

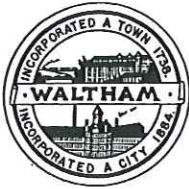
Thank you for the opportunity to review this plan.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rebecca Davis', with a long horizontal line extending to the right.

Rebecca Davis
Deputy Director

Cc: Melissa Cryan, Division of Conservation Resources



CITY OF WALTHAM MASSACHUSETTS

William M. Creonte, Jr.
Chairman

Board of Survey and Planning

April 2, 2015

Ms. Catherine Cagle
Planning Director
City of Waltham
119 School Street
Waltham, MA 02453

Dear Ms. Cagle:

On behalf of the City of Waltham Board of Survey and Planning, I am pleased to provide this letter of review for the City of Waltham's 2015 – 2022 Open Space and Recreation Plan that was reviewed and discussed at their meeting of April 1, 2015. All members were extremely impressed by the hard work put into this much needed report and commended Principal Planner, James LaCrosse and his team for its preparation and informative presentation.

The Board of Survey and Planning acknowledges their support of the entire document. They also recommend that an update(s) be considered for parcels such as the Fernald that may experience changes prior to 2022.

We look forward to utilizing this important document for our future planning and decision making for all open space and recreation facilities throughout the community.

Sincerely,

William M. Creonte Jr.
Board of Survey and Planning, Chairman



March 25, 2015

Ms. Catherine Cagle

Planning Director

City of Waltham

119 School Street

Waltham, MA 02453

Dear Ms. Cagle,

The Waltham Recreation Board reviewed and discussed the City of Waltham's 2015 Open Space and Recreation Plan at their meeting held on March 25, 2015. The report was presented to them prior to the meeting for their review and presented for discussion by Principal Planner, James LaCrosse and Director of Recreation, Sandra Tomasello.

The Board voted to unanimously support the plan and commended the Planning Department and all in the Waltham community for working together to produce the document which will assist the Recreation Department in planning future recreational facilities and properties.

Sincerely,

Richard Scanlon,

Waltham Recreation Board, Chairman

Recreation Board Members in attendance: