

# **Open Space and Recreation Plan For the Town of North Brookfield 2022**



# Open Space and Recreation Plan

## For The Town of North Brookfield

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## SECTION 1: PLAN SUMMARY

Through this Open Space and Recreation Plan, our community has planned the future of its conservation and recreation resources for the next seven years. This planning is vital as a first step to preserving the rural quality of life in North Brookfield that its residents cherish so greatly.

On January 12, 2023, North Brookfield received approval from the Executive Office of Energy and Environmental Affairs, Division of Conservation Services (DCS,) of the updated Open Space and Recreation Plan. Our plan allows North Brookfield to apply for DCS grants through March 2029. These grants include LAND (Local Acquisitions for Natural Diversity) and PARC (Parkland Acquisitions and Renovations for Communities) Grants.

The Town of North Brookfield is located in the area of Central Massachusetts that is the homeland of the Quaboag people. European settlement began around 1660 when Quaboag Plantation was founded. The area became part of the town of Brookfield in 1718. Eventually, the north precinct petitioned for separate town status and was incorporated in 1812 as the Town of North Brookfield. The Town has a long tradition of agriculture that has made use of its abundant natural resources. Through the years the Town has managed to maintain its rural character even in the face of regional growth and development pressures that have brought urban sprawl to other communities across the State and in Central Massachusetts. A multitude of scenic vistas, special places and environmentally sensitive areas exist throughout the Town. Many of these places have managed to remain in their natural state but are not permanently protected from future development. North Brookfield's major challenge will be to find a way to protect as many of these special places as possible. To achieve this goal North Brookfield will need to think creatively, work with its neighbors, and create partnerships with other like-minded organizations (i.e. regional land trusts, etc.).

The North Brookfield Master Plan Committee initiated its Open Space and Recreation Plan (OSRP) update in October 2019. Prior to this the North Brookfield Conservation Commission worked on the plan, and continues to contribute its expertise.

The Committee conducted a Master Plan Survey of town residents in the fall of 2020. This was mailed to all residents over the age of 18. Responses were accepted via return of the paper form or through Survey Monkey. A public forum was held (via Zoom due to the Coronavirus pandemic) on February 4, 2021. The Master Plan Committee advertised the Open Space and Recreation Forum in many ways. Printed flyers were posted on the public message board at the town hall and in highly-patronized local businesses such as Hannaford Supermarket, NB Liquors and Algoo's Convenience Store. It was also posted in the NB Senior Center as well as in the local senior housing

complexes. We posted the event on Facebook social media, on several local group pages, and reiterated the messages several times prior to the event. The event was posted on the town website and on the electronic sign at the main intersection in town. The Local Cable Access Channel also advertised the event.

Through these processes, the residents of North Brookfield have revised the Section 8 Goals to add a new first goal and retain four goals from the 2007 OSRP. These are:

1. To create a resilient, connected network of protected lands where natural systems can provide the ecological services that will maintain the health and well-being of North Brookfield residents into the future.
2. Maintain North Brookfield's Rural Character.
3. Preserve and Enhance North Brookfield's Water Resources.
4. Enhance the Community's Knowledge About Open Space in North Brookfield.
5. Provide North Brookfield with well-maintained recreational facilities and opportunities.

The goals of this plan will serve as a guide for North Brookfield in its future efforts to protect open space and provide recreation resource for its residents. The document before you is intended to serve as two chapters of the Master Plan as required under Chapter 41, Section 81-D of Massachusetts General Laws: the Natural Resources Chapter (see the environmental resource inventory in Section 4 of this document), and the Open Space Chapter (see the inventory of conservation/recreation lands in Section 5 of this document).

## SECTION 2: INTRODUCTION

### A. Statement of Purpose

North Brookfield, like many other small towns in Central Massachusetts, has experienced a slow but steady decline in open space. Although there are still large areas of farm and forested land, North Brookfield is now experiencing an increase in housing development (possibly due to Covid 19, as people move from cities) as well as development by the large-scale solar industry. The rural character of town holds great value to residents. The future value stems from the preservation of ecologically sensitive natural resources and environments, protection of scenic and cultural resources, and opportunities for recreation. These can be found in lands preserved as farmland, as natural areas such as woodlands, meadows, wetlands, and as planned recreation areas, which can range from expansive parklands to the smallest pockets of downtown greenery. Paradoxically, the perceived value of this asset is the biggest threat to its own existence: the desirability of owning a home in a rural setting will continue the trend of development of open space, and diminish the “rural character” residents of North Brookfield value so highly.

It has been said that uncontrolled growth is good for the community. That fact has been proven false. It has been based on the claim that residential development increases the tax base, thereby lowering property taxes. In actuality, residential development costs more than the income it produces. On the average, residential land use requires more in town services for services such as education, social programs, public health and safety, public works, and even town government. Farm, forest, and wet lands all require the least in town services. Industrial and commercial land use are somewhere in the middle. However, if the necessary workforce with the needed skills is not available, new residential development will be necessary to house new residents to fill the jobs.

By understanding the net impact of our various land uses, we can re-evaluate the notion that natural resources must be converted to other land uses to ensure economic stability, and that residential development leads to lower taxes. In reality, supporting and preserving our valuable open space is simply a sound community investment, especially in a town that values its rural character so highly. In addition, by understanding the ways in which land can be preserved in perpetuity, we will obtain the tools to do so.

This document is designed as a tool to help guide North Brookfield's future by assessing its needs, so as to achieve a balance between the benefits of economic development and environmental protection. The Commonwealth of Massachusetts requires that each municipality file an Open Space and Recreation Plan, current within seven years and approved by the Division of Conservation Services, to be eligible for State or federal funds offered through the Executive Office of Energy and Environmental Affairs. This document is intended to meet that requirement.

## B. Planning Process and Public Participation

This plan represents the collected effort of various stakeholders throughout North Brookfield who came together to identify our needs, establish goals and develop strategies to meet North Brookfield's recreation, conservation, open space and historic preservation needs, to ensure that residents of North Brookfield have the highest possible quality of life.

The process the Master Plan Committee used to understand North Brookfield residents' community vision was threefold: the Master Plan Survey of October 2020 and the Open Space and Recreation Public Forum in March 2021, along with the ideas presented during the May 2020 Municipal Vulnerability Preparedness Plan discussions.

The Municipal Vulnerability Preparedness Plan meetings, assisted by CMRPC, were well attended by town department heads. Although the purpose of the meetings was not to discuss open space, many relevant issues arose that have been incorporated into the OSRP.

The Master Plan Survey contained four broad questions regarding open space, with multiple choices and an open comment section for residents to voice their concerns and visions for North Brookfield's future. The survey was mailed to every resident over 21 years of age in town, and had a 20 % return rate.

An Open Space and Recreation Public Forum was held (via Zoom due to the Coronavirus pandemic) on February 4, 2021. The Master Plan Committee advertised the Open Space and Recreation Forum in many ways. Printed flyers were posted on the public message board at the town hall and in highly-patronized local businesses such as Hannaford Supermarket, NB Liquors and Algoo's Convenience Store. It was also posted in the NB Senior Center as well as in the local senior housing complexes. We posted the event on Facebook social media, on several local group pages, and reiterated the messages several times prior to the event. The event was posted on the town website and on the electronic sign at the main intersection in town. The Local Cable Access Channel also advertised the event.

The Open Space and Recreation Public Forum focused on several major topics: The benefits and methods of updating the OSRP, a discussion of the results of the Master

Plan Survey, a discussion regarding Ecosystem Services and Green Infrastructure, a review and update of North Brookfield's Scenic and Unique Resources, information regarding the Municipal Vulnerability Preparedness Plan, a review and update of the 2007 OSRP Goals and Objectives, and ideas for the Five-year Action Plan. There was ample time during each topic for discussion and resident input, which was lively and informed. The Zoom meeting was recorded and available on North Brookfield's You Tube channel. Residents were encouraged to send additional ideas and comments to the Master Plan Committee via email.

The survey and the public forum were useful in identifying the needs and concerns of North Brookfield residents regarding open space and recreation priorities. The results of the survey were used to develop goals, strategies and the associated Seven-Year Action Plan contained herein. The Action Plan was also informed by input solicited from other municipal boards and commissions throughout the process.

The final Plan presented herein represents a culmination of town-wide efforts to bring all stakeholders having a vested interest in the Town's future into the planning process. The resulting document provides a framework for the citizens of North Brookfield to guide the destiny of the Town through future open space and recreation acquisition, projects, initiatives and plans.

## SECTION 3: COMMUNITY SETTING

### A. Regional Context

Located in Central Massachusetts (Worcester County), with the town center situated on routes 67 and 148, North Brookfield is approximately 18 miles west of Worcester. Except for the Town of Spencer to its East, small towns of similar population and demographics surround it. North Brookfield contains a total land area of 21.99 square miles. North Brookfield's adjacent neighbors include the towns of New Braintree, Spencer, Brookfield, East Brookfield and West Brookfield. It is four miles north of Route 9, and twelve miles north of Interstate Route 90 (the Mass Turnpike).

Development of both State and interstate highway systems has made North Brookfield more accessible to major cities. It is a 1½-hour drive to Boston and Hartford, 1 hour to Springfield, and ½ hour to Worcester.

Many of North Brookfield's residents commute to these cities for employment, especially Worcester. North Brookfield is just outside what could be considered Worcester's western suburbs (Spencer, Leicester, and Paxton). However, its rural atmosphere, combined with reasonable land prices, makes it an attractive location for the next cycle of residential development.

Several of the Town's watersheds don't recognize town boundaries. These include:

- North Brookfield's water supply: Part of the watershed of the Town reservoir lies in the Town of New Braintree.
- The Five Mile River: Passing through the east side of North Brookfield, the river's watershed is shared by five towns: North Brookfield, Spencer, Oakham, New Braintree, and a small portion of Rutland.
- Brooks Pond: Fed primarily by the Five Mile River, this privately owned and managed pond has shoreline located in four separate towns: Spencer, North Brookfield, Oakham, and New Braintree. A swimming area, located on the North Brookfield portion of the shore, has historically been made available to the public by the private owners of the pond.
- Lake Lashaway: Lake Lashaway lies between two towns: North Brookfield and East Brookfield. There is a State boat launch on the lake, and the two municipalities share a town beach (Lashaway Park) on land located in North Brookfield. The town wells of Brookfield and East Brookfield are located a short distance downstream from the Lake. A weed problem in Lake Lashaway being treated on an as needed basis under review by DEP and both town conservation commissions. In addition, there is a water drawdown each year in the late fall to assist with weed growth.

- Dunn Brook: Flowing out of the center of North Brookfield, this brook is a potential source of pollution to the Quaboag River. The Town's transfer station, capped landfill and sewage treatment plant are located alongside Dunn Brook. Thousands of tons of sludge have been removed from the site of the old treatment plant, and the landfill was capped in 1996. Forget Me Not brook originates in North Brookfield and flows into Dunn Brook.
- Meadow Brook, Coys Brook, and Sucker Brook: These three small brooks originate on the west side of Town and flow into Lake Wickaboag in West Brookfield.
- Several small streams on the north and west sides of Town flow into the Ware River.
- All of North Brookfield is located in the Chicopee River Watershed.



## Regional Locus Map

## B. History of North Brookfield

Many histories of New England towns begin at the time of European colonization. But, of course, there was a rich culture of human life prior to that time. The Algonquin word *nipmet*, from which the word *Nipmuc* is derived, means *small pond place* and describes the river and pond landscape of the area in what eventually became central Massachusetts.

The Quaboag people lived in independent bands of families, and moved through the area hunting, growing and gathering their food. They were peaceful people, yet were influenced by the powerful confederacies of indigenous people that surrounded them.

The earliest contact between indigenous and European peoples led to deadly epidemics, with a mortality rate as high as 80% among the indigenous population.

Quaboag Plantation was founded in 1660. The people lived together relatively peacefully until a series of events beginning in 1675 brought about King Philip's War. The war was devastating to all involved. Afterward, many indigenous people were confined to small reservations. Some escaped to join native communities in other areas. Many were sold into slavery, while others remained, adopting European ways.

Historical relationships to land play a large part in who we are as people, both past and present. Today the descendants of the first people to inhabit this land are thriving and celebrating their rich culture.

The town of Brookfield was incorporated in 1718 as a part of Worcester County. Eventually, the growing north precinct petitioned the State legislature for separate town status. In February 1812, the Town of North Brookfield was incorporated, with a population of 1,100.

Sucker Brook at Waite Corner, in the northwest part of what became North Brookfield, was an 18<sup>th</sup> and early 19<sup>th</sup> century industrial center. In 1749 Daniel Mathews, a millwright from Southborough, bought of William Ayres the land and mill privilege on Sucker Brook and commenced developing the site. In March of 1754 Rufus Putnam, who went on to become George Washington's chief engineer and the founder of Ohio, was bound as apprentice to Mathews, his brother-in-law. In 1759 Jonathan and Daniel Waite established a fulling mill and grist mill on Sucker Brook, which later became known as Waite's corner. Waite's corner was the site of a thriving community and was once the projected center of North Brookfield. Covered sluiceways diverted the water to power the wheels of the mills. The area included a grist mill, sawmill, fulling mill, tannery, and store. The Mathews Mills on Sucker Brook were a tribute to 18<sup>th</sup> century engineering. The mill pounding complex made use of the natural glacial kettle holes in the area, connecting them using canals and tunnels.

Due to its history, importance in the early development of Brookfield and North Brookfield, and unique use of the glacial kettle holes and connecting canals and tunnels, the preservation of this area should be a top priority. The site was listed on the *National Register of Historic Places* in 1975.

Along with its neighboring towns, North Brookfield sent 150 Minutemen to the Battle of Lexington and Concord. But they also demonstrated against the government they had helped create when residents of North Brookfield were involved in Shays Rebellion in 1780.

In 1810 the manufacture of "factory made" shoes began, starting an industry which profoundly altered the Town's history. In 1824 Tyler Batchellor built a shoe factory which grew rapidly. By the mid-1800's North Brookfield was the largest manufacturer of shoes in the country, shipping products throughout the United States, and provided a large portion of the footwear to the Union Army during the Civil War. Between 1840 and 1880 other companies began the manufacture of lasts, wooden boxes, corsets, pocket books, and other leather goods, but shoe manufacturing remained the major industry. The population steadily increased during this time of prosperity. Agriculture was still a major activity. In 1875 there were 175 farms and orchards.

North Brookfield was (and to some extent still is) isolated due to its location. In 1876 the North Brookfield Railroad opened, connecting to East Brookfield and the Boston & Albany Railroad. The Town now had a bank, three churches, a library, Town hall, two hotels, and a number of retail establishments. The railroad made the town more accessible and the population increased further to 4,587 by the year 1900.

Prosperity ended as management closed the Batchelor shoe factory in 1902. Population immediately dropped off as workers moved in search of employment, and many houses and tenements were left vacant. Some mills were torn down, and others stood empty for a number of years.

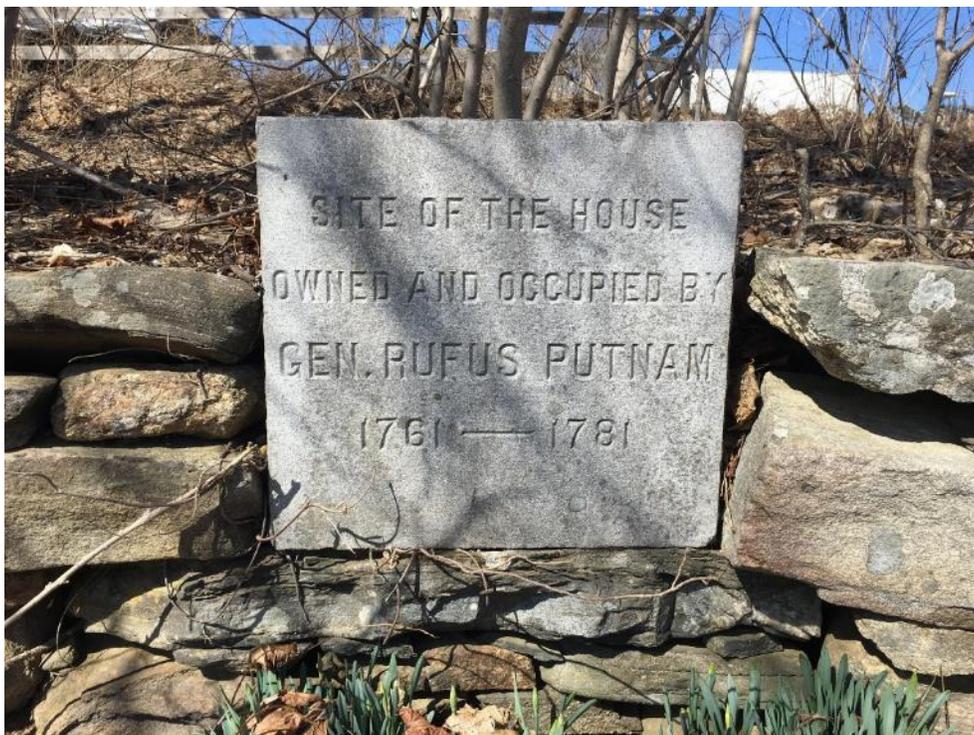
In 1916 the Quabaug corp. was formed with Herbert Mason as President and was located in the old Batchellor shoe factory building on School Street. The other buildings across the street were sold first in 1910 to the Oxford Linen Co. In 1913 it became the Phoenix Linen Co. and in 1920 was sold to the Asbestos Textile Co.

This was the end of the economic decay in town, and after reaching a population low of approximately 2,600, North Brookfield began a slow but steady growth in population that continues today. Quabaug Rubber has grown substantially as the United States manufacturer for Vibram soles, and has become the largest employer in Town.

A major change in North Brookfield in the past sixty years (like much of New England) has been the decline of the farming industry. In the 1930's there were three large chicken farms in Town, shipping young chicks all over the eastern United States. The last one closed its doors in 1990. While activity has declined or ceased on many farms, most owners have thus far been reasonably successful at maintaining the large tracts of

farm and woodlands. However, with agriculture in the northeast still in decline, and large tracts of developable land becoming fewer, they are certainly at risk for development of non-farm uses. In the past several years, large-scale solar development has claimed forest and agricultural land in town. Such development has both positive and negative consequences: an economic advantage to landowners and the town, coupled with the loss of ecologically important land. The largest agricultural operation remaining in Town is the Brookfield Orchards.

Nineteenth century American poet William Cullen Bryant lived in North Brookfield when he prepared for college with his uncle, the minister in town for 64 years. Bates Observatory was given to the town in the 1890's and on a clear day, townspeople say, you can see all the way to Boston. George M. Cohan, actor, producer and playwright, was a frequent visitor to town when he came to stay with his grandparents. The stage of the present Town House was the site of a performance of "Ah, Wilderness," with the original New York cast directed by Cohan. The Philadelphia Athletics played an exhibition baseball game in town against the Quabaug Rubber company team, with Quabaug being the victors as townspeople are quick to note.



### C. Population Characteristics

Population growth means, among other things, loss of open space to development and increased demand for recreational facilities (as well as other town services). After the severe drop in population from 1900-1920 due to the loss of the shoe industry, North Brookfield has experienced a slow to moderate rate of growth.

With a total landmass of 21.99 square miles, North Brookfield has a population density of approximately 216 people per square mile. The table below presents North Brookfield's growth in population over the years.

**Table OSR-1**  
**North Brookfield Population Growth**

<u>Year</u>	<u># of People</u>	<u>Numerical Change</u>	<u>% Change</u>
1930	3,013		
1940	3,304	291	9.7%
1950	3,444	140	4.2%
1960	3,616	172	5.0%
1970	3,967	351	9.7%
1980	4,150	183	4.6%
1990	4,708	558	13.4%
2000	4,684	-25	- 0.1%
2010	4,680	- 4	0.0%
*2017	4,760	80	1.7%

Source: US Census Bureau: 2017 American Community Survey 5-yr Est.

North Brookfield experienced a significant growth in population between 1980 and 1990, adding 558 new residents over the course of the decade. This was followed by a slight decline in each of the following two decades (a loss of 24 and 4 residents, respectively). However, recent development activity in and around North Brookfield indicates that another growth spurt may be underway. According to the American Community Survey 2017 estimate, population growth is estimated at 1.7% for the seven year period from 2010 to 2017.

**Table OSR-2**  
**North Brookfield Age Characteristics**

<u>Age Group</u>	<u>Number</u>	<u>% of Total Population</u>
Under 5 Years of Age	398	8.4%
5 – 19 Years of Age	673	14.1%
20 – 44 Years of Age	1,334	28.0%
45 – 64 Years of Age	1,666	35.0%
65 Years of Age and Over	689	14.5%
Total:	4,760	

Source: US Census Bureau: 2017 American Community Survey 5-yr Est.

Approximately 22.5% of North Brookfield’s population consists of school-aged children or soon to be school-aged children. This represents a decrease from the 2000 Census when 29% of the Town’s population consisted of school-aged or soon to be school-aged children. The 45-64 age group (or soon to be seniors) saw the greatest increase, growing from 1,096 in 2000 to 1,666 in 2017, a 52% increase. North Brookfield’s senior population also showed a significant increase between 2000 (605 seniors) and 2017 (689 seniors). These trends indicate there will be more people throughout North Brookfield looking for recreation opportunities in the future and these activities will need to serve an aging population.

**Table OSR-3**  
**North Brookfield Household by Type**

<u>Type of Household</u>	<u>Number</u>	<u>% of Total Households</u>
Married Couple Family	1,063	58.5%
Male Household	46	2.5%
Female Householder	133	7.3%

Non-Family Household	576	31.7%
Total Occupied Housing Units:	1,818	

Source: US Census Bureau: 2017 American Community Survey 5-yr Est.

Table 3 indicates that more than half of the households in North Brookfield consist of married couples. Families with children often expect to find a diverse selection of recreational opportunities (both passive and active) in their communities, whether provided by the municipality itself or by private entities. Table 3 also shows a significant decrease in the number of single person households.

### **Table OSR-4 Median Household Income Comparison**

North Brookfield Median Household Income:	\$73,133
State Median Household Income:	\$74,167
North Brookfield as a Percent of State Average:	98.6%
Worcester County Median Household Income:	\$69,313
North Brookfield as a Percent of Worcester County Average:	105.5%

Source: US Census Bureau: 2017 American Community Survey 5-yr Est.

Table 4 indicates that North Brookfield’s median household income is higher than Worcester County and equivalent to the State as a whole. This is a significant improvement since 2000 and shows that North Brookfield is in a better position to provide a more diverse selection of recreation opportunities and open space amenities to its citizens.

### **Table OSR-5 Per Capita Income Comparison**

<b><i>North Brookfield per Capita Income:</i></b>	<b>\$31,764</b>
<b><i>State Per Capita Income:</i></b>	<b>\$39,913</b>

**North Brookfield as a Percent of State Average: 79.6%**

**Worcester County Per Capita Income: \$34,691**

**North Brookfield as a Percent of Worcester County Average: 91.6%**

**Source: US Census Bureau: 2017 American Community Survey 5-yr Est.**

Table 5 remains below both the Worcester County and State averages. In the seventeen years from 2000 to 2017 there has been small improvement in both relationships. The ratio to Worcester County is up from 87.9% to 91.6% and the ratio to the State is up from 77.8% to 79.6%.

### **Table OSR-6**

#### **North Brookfield Household Income Distribution**

<u>Income Categories</u>	Number of Households	Percent of Total
Less than \$15,000:	95 households	5.2%
\$15,000 - \$24,999:	131 households	7.2%
\$25,000 - \$34,999:	183 households	10.1%
\$35,000 - \$49,999:	193 households	10.6%
\$50,000 - \$74,999:	363 households	20.0%
\$75,000 - \$99,999:	233 households	12.8%
\$100,000 - \$149,999:	472 households	26.0%
\$150,000 and over:	148 households	8.1%
Total:	1,818 households	

Source: US Census Bureau: 2017 American Community Survey 5-yr Est.

Based on the 2017 household poverty guidelines for a family of four (\$24,600) our town shows a maximum of 12.4% households below the poverty level. However, looking at the guideline for a family of two (\$16,240) we are not out of line with the 2017 national rate of 9.4%.

The 2017 ACS estimate that of the 1,818 occupied housing units, 1,263 (70%) are owner occupied. This indicates a considerable investment in the Town. Two hundred and eighty one, or 13%, of the total housing units in the Town are vacant. Current and future renovation activity can therefore make a significant change in the demographics of the Town.

Table 7 depicts North Brookfield’s Average Annual Labor Force statistics from 2010 through 2021. Since 2010, the labor force has fluctuated a bit, though has generally stayed within the range of 2,550 – 2750. The unemployment rate for the Town had been gradually decreasing since 2010, but rose significantly in 2020 to 8.4%, likely due to the COVID-19 pandemic. In 2021, the unemployment rate reduced to 5.8% as jobs became more available.

**Table OSR-7**

**North Brookfield Average Annual Labor Force Statistics**

<b>Year</b>	<b>Labor Force</b>	<b>Employed</b>	<b>Unemployed</b>	<b>Unemployment Rate</b>
2021	2,690	2,534	156	5.8
2020	2,654	2,432	222	8.4
2019	2,724	2,638	86	3.2
2018	2,733	2,639	94	3.4
2017	2,690	2,587	103	3.8
2016	2,649	2,535	114	4.3
2015	2,606	2,475	131	5
2014	2,623	2,463	160	6.1
2013	2,606	2,420	186	7.1
2012	2,593	2,410	183	7.1
2011	2,575	2,388	187	7.3
2010	2,566	2,357	209	8.1

Source: Massachusetts Department of Economic Research, Municipal Employment Data, 2021

Table 8 shows the average employment wages by industry in North Brookfield. In Town, there are a total of 102 employment establishments that bring in a total of \$47,631,657 in wages. The average weekly wage in Town is \$939.00.

#### North Brookfield Average Annual Labor Force Statistics

<b>Industry</b>	<b>Establishments</b>	<b>Total Wages</b>	<b>Average Employment</b>	<b>Average Weekly Wage</b>
<b>Total All Industries</b>	102	\$47,631,657	976	\$939
Construction	14	\$2,023,426	40	\$973
Wholesale Trade	4	\$835,426	17	\$945
Transportation and Warehousing	5	\$958,705	16	\$1152
Professional and Technical Services	7	\$661,216	11	\$1156
Administrative and Waste Services	4	\$156,192	5	\$601
Healthcare and Social Services	26	\$1,864,574	59	\$608
Accommodation and Food Services	5	\$332,855	25	\$256
Other Services except Public Administration	8	\$1,541,250	36	\$823

Source: Massachusetts Department of Economic Research, Executive Office of Labor and Workforce Development, 2022

Table 9 displays North Brookfield’s largest 25 employers. Vibram Corp tops the list with 250 to 499 employees. Hannaford, Madix Inc., and North Brookfield Public School are the next largest employers with 100 to 249 employees total.

**Table OSR-9**  
**North Brookfield Largest 25 Employers**

<b>Company name</b>	<b>Address</b>	<b>Number of Employees</b>	<b>NAICS Code</b>
<a href="#">Vibram Corp</a>	School St	250 to 499	3162
<a href="#">Hannaford</a>	Gilbert St	100 to 249	4451
<a href="#">Madix Inc</a>	Prospect St	100 to 249	2362
<a href="#">North Brookfield Public Sch</a>	High School Dr	100 to 249	6111
<a href="#">North Brookfield Elementary</a>	High School Dr # 2	50 to 99	6111
<a href="#">North Brookfield Guidance</a>	High School Dr	50 to 99	9211
<a href="#">Camp Atwater</a>	Shore Rd	20 to 49	7212
<a href="#">Concrete Quick LLC</a>	Shore Rd	20 to 49	4441
<a href="#">North Brookfield Fire Dept</a>	School St	20 to 49	9221
<a href="#">North Brookfield Savings Bank</a>	Summer St	20 to 49	5221
<a href="#">North Brookfield Town</a>	N Main St # A	20 to 49	9211
<a href="#">Valley View School</a>	Oakham Rd	20 to 49	6111
<a href="#">Brookfield Orchard Inc</a>	Lincoln Rd	10 to 19	1113
<a href="#">Country Auto Body</a>	Donovan Rd	10 to 19	8111
<a href="#">E&amp;E Farms Inc</a>	Shore Rd	10 to 19	4233
<a href="#">IV Insertion PC</a>	Bates St	10 to 19	6219
<a href="#">N Brookfield Special Education</a>	High School Dr	10 to 19	6111
<a href="#">North Brookfield Athletic Dir</a>	High School Dr	10 to 19	9211
<a href="#">Optim Machine Svc</a>	Crooks Cross Rd	10 to 19	3327
<a href="#">Pillsbury Funeral Hm North</a>	Gilbert St	10 to 19	8122
<a href="#">Precision Shapes Inc</a>	Long Hill Rd	10 to 19	3312
<a href="#">Profit Point Inc</a>	Ayers St	10 to 19	4523
<a href="#">Statz Rest &amp; Lounge</a>	N Main St	10 to 19	7225
<a href="#">Stetson School Inc</a>	Cider Mill Rd	10 to 19	6111
<a href="#">Joe's Journey For Recovery Inc</a>	Donovan Rd	5 to 9	8133

Source: Massachusetts Department of Economic Research and Data Axel, 2022

## D. Growth and Development Patterns

### 1. Patterns and Trends:

North Brookfield's rounded hills and valleys first supported isolated farmsteads, and the Five-Mile River powered the Town's first small mills. By the mid-1800's, a thriving central village had grown up around several factories. The demise of the shoe industry in 1900 (following a prolonged strike) decimated the Town, and population plummeted. After 1920 a slow steady growth pattern was established, with better roads and access to the automobile that continues to this day. However, development since that time has been primarily residential with more and more residents working outside of town. Development has shifted from the centralized village to the outlying rural areas. This trend is considered likely to continue.



Thus far, North Brookfield has not experienced the intensity of development experienced by its neighbors to the east, but Town residents are concerned. The results of the recent Master Plan Survey and public forums show a clear consensus that protection of the Town's rural character; natural resources, scenic beauty and farmlands, should be critical planning issues in the years to come. In fact, an overwhelming number of respondents stated the Town should institute further measures to manage residential growth.

North Brookfield Zoning Map

**Table OSR-10**  
**North Brookfield Land Use Changes Over the Years**

<u>1985</u>	<u>1999</u>	<u>2005</u>
1,084 developed acres (1,026 residential) (58 com./ind.)	1,454 developed acres (1,368 residential) (86 com./ind.)	1,503 developed acres (1,422 residential) (82 com./ind.)
8,307 acres forestland	8,335 acres forestland	8,774 acres forestland
3,091 acres farmland	2,662 acres farmland	1,969 acres farmland

Source: Mass GIS Data: Land Use (1951-1999); Mass GIS Data: Land Use (2005)

The amount of developed land in North Brookfield increased, over the 14 year period from 1985 to 1999, at a compound rate of 2.12% per year. For the six year period from 1999 to 2005 this rate of change decreased dramatically to .55% per year. Unfortunately, more current data is not available and there are some inconsistencies in the existing data. The most troubling result is the continued decrease in the farmland acreage.

The majority of new building lots in North Brookfield were created through the Approval Not Required (ANR) process, meaning that such plans do not receive any detailed municipal review of their potential impacts on the environment; rather, the Planning Board simply endorses the ANR plans as they are presented. North Brookfield has seen relatively little subdivision activity during the last 30 years, handling only a few definitive subdivision proposals during this timeframe. The creation of ANR frontage lots has not yet led to a deterioration of North Brookfield's natural ecology. Dense residential development along the shoreline of Lake Lashaway has been a factor in the decline of the Lake's water quality; however, the vast majority of these lots were created decades ago.

## 2. Infrastructure

### a. Transportation

In the past North Brookfield was served by both railroad and trolley, however today there is no public transportation available in Town. There is bus service to Worcester via Route 9 from East Brookfield, but North

Brookfield residents underutilize this service. Rail, Air, and bus service are available in Worcester. The Town of North Brookfield owns the old railroad bed which has been converted through volunteer workers efforts to a Rail Trail. Privately owned automobiles presently meet the vast majority of transportation needs. If demand for public transportation were to increase (for example, by a drastic increase in the price of gasoline), it is possible that bus service to Worcester could be added.

Walking and biking opportunities are scattered throughout North Brookfield. In the Town, sidewalks are found predominantly in the historic town center, but are not common in outlying areas. Other walking opportunities can be found in the North Brookfield Town Forest and the Wendemuth Meadow Preserve. The North Brookfield Town Forest is a 44-acre park located approximately 1.5 miles from the center of North Brookfield on Rte. 67, West Brookfield Road, on the east and west sides of the road near the junction of Rte. 148. On the west side of the forest, there is a Blue Diamond Trail and a Ledge Walk Trail. The Wendemuth Meadow Preserve is a 30-acre property located just north of the Town Forest. Wendemuth Meadow Preserve is owned by the East Quabbin Land Trust and is a pastoral property with a hayfield, wet meadow, stream, patchy woods, and shrubland. The trail at this property loops around to connect to the Town Forest, providing an extended hike. There are no dedicated bike lanes within the Town of North Brookfield, though biking opportunities do exist at the Town Forest and at Wendemuth Meadow Preserve. There is also a 4.2-mile spur of the North Brookfield Rail Trail that runs from East Brookfield to Elm Street providing walking and biking opportunities when the trail is open.

b. Water Supply

The municipal water supply system consists of a drainage area of approximately 2.5 square miles collecting roughly 1100 million gallons per year which is stored in the two adjacent reservoirs: Horse Pond and Doane Pond, The Town owns approximately 145 acres of watershed lands, primarily abutting the reservoirs.

	Horse Pond	Doane Pond	Total
Surface Area:	63 Acres	28 Acres	91 Acres
Storage Capacity*:	248 million	43 million	291 million

\* Storage Capacity is measured in gallons

The water system makes use of the Horse (North) Pond reservoir as its water supply source. The water treatment plant has the capacity to treat up to two million gallons per day (gpd), but the system typically uses

roughly 404,000 gpd. The Department of Environmental Protection (DEP) has permitted a water withdrawal of up to 433,000 gpd. The reservoir can actually provide a firm yield of 470,000 gpd. Doane Pond can provide a firm yield of 200,000 gpd but can only be used as an emergency water supply source and would require an expensive and time-consuming process to bring on line. There is also an interconnection with the East Brookfield water system that can be used in emergencies, but this interconnection only provides water service to roughly 200 homes in the vicinity of Lake Lashaway. The treatment plant treats for turbidity, color, corrosion control and disinfection. The system's pipes are over 110 years old. While the Department fixes pipes as they break, it also has an infrastructure management plan that contains a three-year pipe replacement schedule.

The Department owns a small amount of land around the reservoir and along the North Brook Canal. A portion of the land in the watershed is in the Agricultural Preservation Restriction (APR) program that allows the land to be used for farming, but much of the land around the reservoir is not restricted in any way. The Department is working with Massachusetts Rural Water Association and abutting landowners to develop a Source Water Protection Plan and a Water Protection District bylaw that will be brought before voters at a future Town Meeting. The Water Commissioners have not established a definitive service system and are not currently looking for new water supplies. They continue to entertain requests from developers for extending the water system if the developers are willing to pay all associated costs.

There are 1299 services that supply water to approximately 3900 residents of North Brookfield, around 85% of the town's population

North Brookfield Water Supply Map

c. Sewer Service

The present sewage treatment plant, located south of the center of Town on East Brookfield Road, provides 870 service connections in Town. These connections include most businesses and multifamily housing units in North Brookfield as well as a number of single-family dwellings. Approximately 60% of North Brookfield is tied into the municipal sewage system with the remaining outlying residences and a few small businesses relying on on-site septic systems. Design capacity for the existing treatment plant (built in 1971 and upgraded in 1995) is 757,000 gallons per day. The 1995 upgrade included the installation of a new “disc cloth filter”, which was the first to be installed in New England. The effluent from the treatment plant is discharged into a small stream: Forget Me Not Brook which flows into Dunn Brook (a tributary to the Quaboag River). The effluent discharged into it is tested for toxicity four times a year. The Sewer Department received the New England Environmental Protection Agency Operation and Excellence Award in 1999. This award was given to the Department for “recognition of its commitment to clean water through outstanding operation and maintenance.” In 2020 the facility received and treated over 139 million gallons of wastewater which includes over 5.3 million gallons of septage. During the year the treatment facility removed over 97% of organics and solid material from the wastewater stream and disposed of 173.7 tons of biosolids.

Both State and Federal discharge standards have changed and is requiring the town of North Brookfield to upgrade the sewer system. At a town meeting in 2021 the town voted to proceed with the project. The design for the State required changes along with some additional changes the Sewer Department wanted to make is currently approximately 75% designed. It is expected that the project will go out for bid in the spring of 2022 and will take two years to complete.

# North Brookfield Sewer System Map

### 3. Long Term Development Plans

As described previously, growth in North Brookfield has been slow but steady in recent decades, primarily residential in nature, and spread throughout the town, especially in the more rural areas. The Town has adopted certain land use controls over the years, aimed at guiding and controlling development.

The Town has had a zoning by-law since 1963, which was last amended in 1990. Zoning districts are delineated along with their allowed uses and dimensional requirements.

<b>Zoning District</b>	<b>Minimum Lot Size</b>	<b>Minimum Frontage</b>
R-11 Central Residence	11,000 sq. ft. (single family)	100 ft.
R-30 Open Residence	30,000 sq. ft.	150 ft.
R-66 Rural Residence	66,000 sq. ft.	250 ft.
B-C Central Business	None	None
B-G General Business	25,000 sq. ft.	110 ft.
Ind. Industrial	50,000 sq. ft.	220 ft.

The Zoning By-laws contain a section for subdivisions. It is old and needs to be updated. It is expected that, as previously mentioned, the town is likely to experience growth from the expanding growth of Worcester and its suburbs. In recent years nearby towns have grown dramatically with the build out of multiple subdivisions. The existing subdivision bylaw needs to be updated to current standards. Furthermore, the feedback from the Master Plan Survey and the public Forums indicate that a majority of the Town's people want to protect the rural and agricultural look and feel of the Town. Cookie-Cutter subdivisions would not be acceptable. Subdivisions with open spaces, sidewalks or walking trails, water features such as ponds or streams all should be included in by law considerations for subdivisions. The subdivision bylaw also does not consider the possibility that a developer could buy property to make 5 or 10 houses along one street. This is considered to be a subdivision in some towns, because all 5 or 10 houses could be exactly the same design. This possibility should be considered in a new bylaw.

There has also been a number of requests for more expansive by-law for "accessory or in-law" apartments.

As mentioned previously most new building lots have been created as ANR (approval not required) lots. This means that anyone can come before the planning board with a properly designed plot plan for a lot that meets square footage and dimensional requirements for the zone where it exists and have it approved and registered with the Registry of Deeds. There is no review of the land to see if in fact a house can be built on it due to things like wetland etc. This

should be changed to a more complete process with a review by multiple boards and committees to ensure it will be a usable piece of property.

The only other town by-law with significant potential impact on open space is the Earth Removal by-law. The bylaw has not been utilized or enforced since its approval in 1990. It is something that could help in controlling open space and retaining the rural character of the town.

## SECTION 4: ENVIRONMENTAL INVENTORY AND ANALYSIS

### A. Geology, Soils, and Topography

Our soils derive from rock that has been weathered over eons. But they only become fertile through the myriad of species of microorganisms that live within them. These tiny living things engage in a symbiotic relationship with the plants growing in the soil. Through photosynthesis, the plants provide the organisms, especially fungi and bacteria, with their food in the form of carbohydrates, something healthy plants have in excess. In exchange, the fungi extend the reach of plant roots, and with the help of bacteria, solubilize the minerals and other nutrients the plants need. Without this symbiotic relationship, 90% of plant species could not survive.

Healthy soil stores vast amounts of carbon. As the plants break down CO<sub>2</sub> through photosynthesis and deliver the carbon molecules to the microorganisms, they store part of it as humus. Humus increases soil fertility and can store the carbon for centuries. This is one of the most important processes we must protect and enhance in order to reduce the excessive amount of CO<sub>2</sub> in our atmosphere. A solution to climate change lies in fostering abundant photosynthesis.

The plant-fungi-bacteria symbiotic relationship also creates soil tilth--the porous, crumbly character of fertile soil that traps and holds water. The soil acts as a sponge and absorbs rain, increasing fertility and greatly reducing the chance of floods.

Our soils are the base of the food chain as plants directly or indirectly provide food for all terrestrial animals. The health of all of us living above begins in the soil, and depends upon the life within it.

~

North Brookfield is located in the Central Uplands Region of Massachusetts which lies between the Worcester Lowlands Region to the east and the Connecticut Valley Lowlands Region to the west. The Central Uplands Region is a glaciated plateau-like area, which generally slopes gently to the South. The topography of North Brookfield is quite typical of the region: generally hilly, dissected by numerous small streams, with elevations ranging from slightly under 600 feet to slightly over 1,100 feet. Mean elevation is approximately 800 feet. Drumlins abound, as do stream-cut valleys. Areas defined by bedrock, at or near the surface, are usually irregular and hummocky. Glacial outwash, stream and lacustrine deposits have created nearly flat topography in some areas of town, especially the lower Five-Mile River valley.

Bedrock is metamorphic or igneous, consisting mainly of Paxton Quartz Schist (a chocolate brown to dark gray metamorphic rock), Brimfield Schist (a dark brown metamorphic rock containing an abundance of iron-bearing minerals as well as calcium and graphite), and intrusions of Hardwick Granite (a light colored, coarse-grained

igneous rock). Visible rock outcrops often display pronounced foliation, indicating a complex deformational history. The area is also littered with glacial "erratics": stones that were plucked off the mountains of New Hampshire carried south and dropped by the melting glacier. Most of the numerous stonewalls in the area are built from these erratics.

Its ability to drain, its texture, and the gradient (slope) describe a soil at which it is found. These characteristics are determined by a combination of the soil parent material, the depth and nature of the substrata and underlying bedrock, and its topographical context, generally dependent upon glacial history. Soil characteristics can be interpreted to determine limitations for development, allowing planning for residential, commercial, industrial, recreational, and agricultural uses. For building purposes, the critical aspects of soil are its ability to drain (a function of its porosity), the permeability of its substratum and depth to bedrock. Poorly drained soils and muck soils, found in lowlands and depressions, have severe limitations for development because of extended periods of saturation, but are often ideally suited for wildlife habitat. While wet soils and muck pose obvious drainage problems, very permeable and porous soils can pose limitations where septic systems are necessary since they allow rapid percolation without adequate attenuation, posing a threat to area water resources. The more porous soils can also be unstable on slopes. Shallow soils make building difficult, if not impossible, and those underlain by hardpan severely affect the cost of facility installation. Depending on the depth of hardpan, these soils also stay wet for extended periods or have fluctuating water tables.

The most generalized soils map of the area, prepared for the Soil Report for Worcester County, Southern Part, by the US Department of Agriculture's Soil Conservation Service, lists four soil associations in North Brookfield. Within these groupings (defined on the next page) are well drained soils, moderately well drained soils, and poorly drained soils and mucks of differing depths. The soils map groups soils by their drainage and depth characteristics: (1) the deep to shallow moderately well drained soils underlain by hardpan or bedrock, (2) deep, well drained soils with permeable substrata, and (3) the poorly drained soils and mucks. Within the groupings the dominant soils comprise at least two thirds of the association.

- Paxton-Woodbridge-Ridgebury group: Formed in glacial till, this unit comprises the majority of land area in Town. The Paxton and Woodbridge series consist of gently sloping to steep, deep, moderately well drained soils on drumlins, hills and ridges (uplands). These soils formed in compact glacial till. Fine sandy loam top and subsoils are underlain by hardpan at 15 to 38 inches. Ridgebury soils are somewhat poorly drained, and are located in the depressions and drainage ways of this group. Steep slopes, wetness, frost action, slow permeability in the substratum the firm substratum and depths to bedrock are the major limitations of this unit. Low-density residential development is possible, depending on specific soil depth, but construction costs may be higher, especially in a non-sewer area. Any high-density development in this soils group should be served by the municipal sewer system.

- Brookfield-Brimfield group: comprising a section of the northwest part of Town (in the vicinity of Waite Corner Road, Boynton Road and Bigelow Road), this unit consists of upland hills and ridges with rock exposures throughout. Formed in glacial till derived from micaceous schist, stones cover more than 3% of the surface. While moderately well drained, these soils are underlain by bedrock at a depth of 10 to 20 inches. Steep slopes and shallow depth to bedrock are the major limitations. Several small areas of rock outcrop are also present in various locations throughout Town.
- Merrimac-Hinckley-Windsor group: Formed in water-sorted deposits of glacial outwash, these very deep soils are excessively to somewhat excessively drained. This map unit consists primarily of the glacial outwash plain, which defines the Five-Mile River valley, including the rolling to steep sides of the valley. Several sand and gravel operations are active in this area. To a much lesser degree, these soils can also be found in spots along Coy's Brook (southwest corner of town), and in the vicinity of Sucker Brook (northwest corner of town). Slope is the limiting factor in using these soils for development, as these sloping soils are unstable. Septic tank absorption fields may cause groundwater pollution because of the rapid percolation and poor filter capacity of these soils.
- Swansea-Freetown group: These mucks lie in river and stream floodplains and other wetlands. Nearly level very deep, and poorly drained, these soils are adjacent to streams in old glacial lakes or small ponds, and are formed in organic deposits and alluvium. They are found in spots within the Five Mile River valley, surrounding Perry Pond west of Lake Lashaway, at the lower end of Coy's Brook, and several other wet areas. These soils are very unsuitable for development due to poor drainage and a high water table, and sites where they exist are usually classified as wetlands.

According to the US Department of Agriculture's Soil Conservation Service, 98% of the land in North Brookfield is comprised of soils with severe limitations for septic systems, including high water tables, shallow depth, slope, or poor filtering capability. Only 215 acres (1.7%) are rated as "moderate limitations", and 14 acres (0.1%) are rated as "slight limitations". Given these limitations, consideration of increasing lot size for un-sewered development should be considered for the protection of groundwater (private wells) and surface waters (reservoirs, lakes and ponds, streams and rivers).

Prime agricultural soils are plentiful in North Brookfield, scattered in small parcels throughout Town, divided by the numerous hills. Primarily classified as Paxton, Woodbridge, and Merrimac soil types; there are approximately 3,000 acres of "Prime" agricultural soils in Town (25% of the total land area). Additionally, there are over 3,200 acres with agricultural soils of "Statewide importance" (often the same basic soils as "prime", but with slight agricultural limitations due to slope or stone content). Any efforts by the Town or State to help preserve the Town's agricultural heritage should, at least in part, focus on the remaining undeveloped prime and important agricultural soils.

## Unusual Geological Features in North Brookfield.

Resiliency Science is a new way of looking at landscapes to determine how adaptable an area's species might be to climate change. Estimates are based on an area's landscape diversity, which can provide species with the climatic conditions they will need to adapt to changing regional climates. Resiliency is determined by appraising an area's connectivity to other natural areas, its soils, elevation and bedrock geology. North Brookfield contains two areas that may provide resilience and biodiversity protections due to their geology. One is the seepage slope at Wendemuth Meadow. An impermeable underground layer causes rainwater to seep out at various spots on the middle and lower parts of the hillside. The water forms a small stream that leads to the central wetland. Two flowers, Canada burnet and ragged fringed orchard, are found in this habitat. This association of underground topography with Canada burnet is unique to the Brookfields.



Canada Burnet

A second area of geological importance has both conservation value and a cultural impact on the history of North Brookfield. These are the kettle holes along Sucker Brook. Kettle holes are created when a receding glacier leaves behind a block of ice. The rock and sediment left by the glacier surround the ice, building up the land around it. When the ice melts, a hole is left. These holes were used by Matthews Mills during the 18 th century. The mill pounding complex made use of the kettle holes in the area, connecting them using canals and tunnels. This unusual, partially man-made habitat offers an area of diversity for wildlife resilience.

Both of these geological features are listed on the table of Scenic and Unique Environments in Section 4F and on the Unique Features Map.

## North Brookfield Soils Map

## B. Landscape Character

Entering North Brookfield from any direction, the Town's rural character is immediately evident. Rolling hills, dissected by valleys, provide open vistas often enhanced by well-preserved farm buildings. The concentrated development in the central village, with many grand Victorian homes, reflects the economic boom of the latter half of the 19th century, fueled by the shoe industry. Sections surrounding the village have a more typically suburban look, with newer and smaller homes. The outer districts, while slowly experiencing the fragmentation of open space due to residential construction, still maintain a distinctive rural New England character, with many large parcels of farm and woodlands.

The Town's water resources further enhance the landscape. The reservoirs (Horse and Doane Ponds), Lake Lashaway, Brooks Pond, and the streams and marshes all contribute to landscape diversity and beauty. Efforts aimed at protecting natural resources and preserving town character have been modest in North Brookfield to date, in part because development pressure has not been intense enough to be viewed as a serious threat. Some watershed lands have been acquired to protect the water supply, and a few small areas have been set-aside as Town forest. State agencies, however, have acquired two important properties in the Five-Mile River valley (for flood control, and for a wildlife sanctuary). There is also a small parcel of landlocked state forest in the river valley.

North Brookfield has 2,267 acres of land under permanent protection (16.1% of the Town's total land area), and 4,433 acres of land having limited protection under Chapter 61, 61A and 61B. (31.5% of the Town's total land area). All told, North Brookfield has 6,700 acres of land (close to half of the Town's total land area) having some degree of protection. It should be noted that Chapter lands can be removed from protection by the landowner and be developed.

## C. Water Resources

North Brookfield's water resources are an invaluable asset to the Town, providing drinking water, flood control, recreational opportunities, wildlife habitat, and scenic diversity. All surface waters in Town are classified as "Class B" (fishable, swimmable) waters, with the exception of the reservoirs and their tributaries, which are Class A. (Note: these designations refer to purposes, not necessarily existing conditions.)

Horse Pond and Doane Pond: the two adjacent town reservoirs are the sole source of the municipal drinking water system. Surrounded by forest and farmland, this is a very scenic area. Passive recreation activities such as hiking and fishing from shore are permitted.

Brooks Pond: An impoundment of the Five Mile River, this privately owned and managed pond is very picturesque and sparsely developed. Ringed with forest and containing several small islands, recreational opportunities include non-motorized boating and fishing. The marshy area at the north end of the lake provides an abundance of wildlife viewing opportunities.

Five Mile River: Originating in Oakham and Rutland, the lower reach runs through North Brookfield from Brooks Pond to Lake Lashaway. The river has high recreational value. Many fishermen enjoy walking parts of the river. The lower part of the river makes a scenic and remote canoe ride with tremendous wildlife viewing opportunities. The marshes and wetlands along the river provide wildlife habitat and store vast amounts of water during heavy rain or snowmelt and help to ease flooding.

Lake Lashaway: Surrounded by summer cottages and year-round homes, the lake provides a cornucopia of recreational opportunities. There is a public boat ramp providing access to fishermen, sailors, and water-skiers. Lashaway Park, located on the west side of the lake in North Brookfield, but owned by East Brookfield, is a public beach and picnic area shared by both towns. Swimming lessons are given each summer. Camp Atwater, founded in 1927, is listed on the National Historic Register as the first summer camp in the US established for African-American children.

Perry Pond: Just to the west of Lake Lashaway, this shallow pond with its large bog-like wetlands is privately owned, and the surrounding woodlands remain undeveloped. This area is excellent wildlife habitat.

Streams and Brooks: Forget Me Not Brook joins Dunn Brook near the East Brookfield town line and flows south to the confluence of the Quaboag River. Many smaller intermittent and perennial streams and brooks are found in North Brookfield including Coys Brook in the southwest portion of Town and Sucker Brook to the northwest and many unnamed streams.

All of North Brookfield is located in the Chicopee River Watershed. North Brookfield is further divided into 12 tributary basins, the boundaries of which are depicted on the Water Resource Map.

Wetlands: North Brookfield contains a great deal of wetlands, with much diversity. Scrub marshes abound along the Five Mile River and other streams, and the lower Five Mile River valley contains a large grassy flood plain marsh. The large bog-like marsh around Perry Pond is especially striking. Numerous forested wetlands of various sizes are scattered throughout town.

**Flood Hazard Areas:** FEMA's A Zones are defined as areas that present a 1% annual chance of flooding, and a 26% chance over the life of a 30-year mortgage,

according to FEMA. The A Zones are located along Brooks Pond, Horse Pond, Horse Pond Flood Control Site, Five Mile River, Horse Pond Brook, Doane Pond, Coys Brook, Forget Me Not Brook, and Perry Pond. FEMA's AE Zones are defined as the base floodplain where flood elevations are provided. AE Zones in North Brookfield are located along Sucker Brook and the Sucker Brook Wildlife Management Area, Coys Brook, and Lake Lashaway. FEMA's X500 Zones are defined as areas of 500-year flood, areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile, and areas protected by levees from 100-year flood. These areas are also inundated by 0.2% annual chance flooding. X500 Zones are located along wetland areas and small ponds off of Route 67, Mill Road, King Road, Waite Corner Road and Collins Road, Smith Hanson Road, Bigelow Road, South Main Street, Hillsville Road, Oakham Road, and Barnes Road.

**Aquifer Recharge Areas:** An aquifer recharge area is a surface area that contributes water to a well. Water drains into the ground to refill aquifers, an important source of water. In the Town of North Brookfield, medium yield aquifer recharge areas are located on the eastern side of Town. The recharge areas run along the Five Mile River, starting in the north at Brooks Pond and running down through the Horse Pond Flood Control Site.

An aquifer is a water-bearing soil or rock formation that is capable of yielding enough water for human use. To remain in a steady state, the amount of water withdrawn from an aquifer must be in equilibrium with the amount of ground water recharge it receives from the environment. Massachusetts receives approximately 43 inches of rainfall each year. However, we do not have an inexhaustible supply of water, and we must take care to ensure the rainfall that we receive is able to percolate into the soil or held in wetlands in order to recharge the ground water. Increased development, aquifer overdraws, and drought conditions can cause local drinking water supplies to be stressed.

MassMapper shows that the area around the Five Mile River is a large, medium-yield aquifer, making it a potential drinking water supply area. To preserve this aquifer for the future, it is necessary to preserve the natural infrastructure in the watershed that provides the water. This natural infrastructure includes all the other water-holding areas in the watershed—the wetlands (including those created by beaver), the streams that carry water to these areas, and the forests and other plants that slow the flow of rainfall and allow it to percolate into the ground.

Residents who get their water from private wells rely upon the water-providing natural infrastructure in their local area to fill the small aquifers they draw their water from.

Additionally, Horse Pond Reservoir can be thought of as a human-created aquifer at ground level. It is vital to preserve the watershed functions in all areas of North Brookfield in order to ensure sufficient water for all our residents' needs.

According to the National Wetlands Inventory maintained by the US Fish & Wildlife Service, North Brookfield contains roughly 1,094 acres of wetlands. According to the Flood Insurance Rate Maps prepared by the

Federal Emergency Management Agency, North Brookfield has approximately 1,221 acres of land falling within the 100- year floodplain.

## The Wonder of the Small Water Cycle

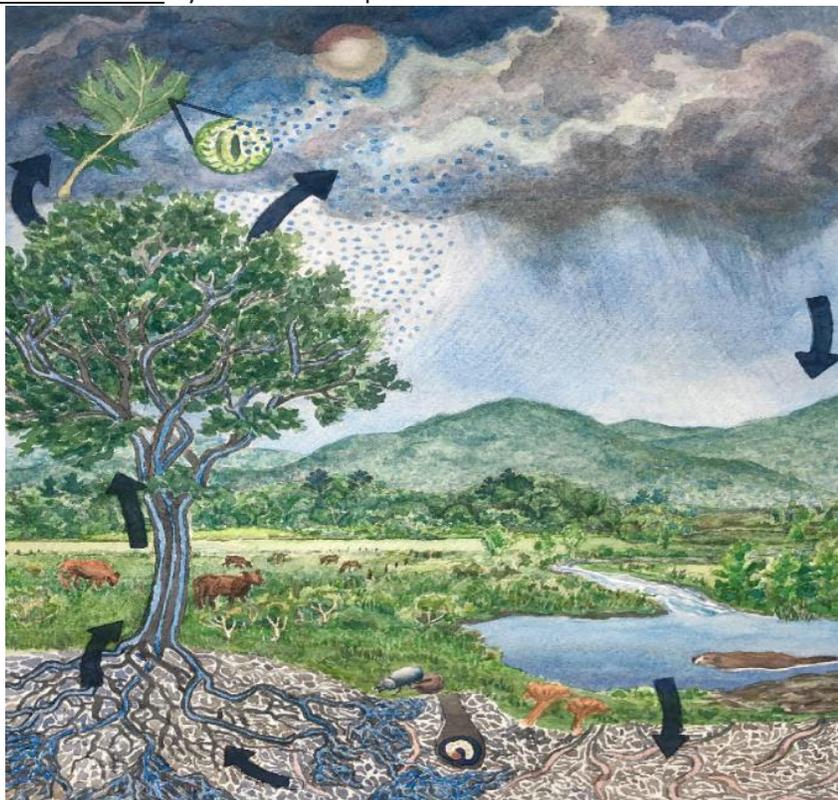
1. Water rises through tree roots to the leaves.
2. Fungi bring additional water to the roots.
3. Water vapor is released through the pores (stomata) in the leaves.
4. The change in state from liquid to gas uses energy from the sun that would otherwise be felt as heat.
5. Increased humidity causes rain, fog and dew, nourishing plants and recharging the ground water. With the change in state, the stored energy is released high in the atmosphere or during the cool of the night.
6. Cows, dung beetles, earthworms, and a host of other critters break up the soil, allowing water to filter into the ground. Beavers create wetlands.
7. The cycle begins again. Forty to fifty percent of an area's rainfall can come from the small water cycle.

Sources:

Water for the Recovery of the Climate—A New Water Paradigm by M. Kravčík, J. Pokorný, J. Kohutiar, M. Kováč, E. Tóth,

[http://www.waterparadigm.org/download/Water\\_for\\_the\\_Recovery\\_of\\_the\\_Climate\\_A\\_New\\_Water\\_Paradigm.pdf](http://www.waterparadigm.org/download/Water_for_the_Recovery_of_the_Climate_A_New_Water_Paradigm.pdf)

Mycorrhizal Planet by Michael Phillips.



North Brookfield Water Resource Map 1

North Brookfield Water Resource Map 2

## D. Vegetation

North Brookfield falls within the Worcester/Monadnock Plateau. The Plateau contains the most hilly and mountainous areas of the Commonwealth's central upland, with elevations ranging from 500 to 1,800 feet above sea level. Transition hardwoods are common, but northern hardwoods also occur. Forested wetlands are common, and forested and non-forested peat lands are abundant. As mentioned previously, roughly two thirds of North Brookfield consists of forestland. North Brookfield is located at the southern end of the Transition Hardwoods-White Pine-Hemlock Zone, near the border of the more southern Central Hardwoods-Hemlock-White Pine Zone. The dominant vegetation in the latter includes a variety of oaks (black, red, white, chestnut, and scarlet), chestnut, red maple, shagbark and bitternut hickories and black birch. The former zone contains smaller amounts of most of these species mixed with the northern hardwoods (sugar maple, beech and yellow birch) and white ash. White pine and hemlock are of variable abundance in both zones, and their presence is strongly influenced by historical factors like fire and land use history.

Slope position has much to do with the forest types found in North Brookfield. Low areas are usually dominated by red maple along with yellow birch, American elm and sometimes hemlock. Moist but well drained sites with relatively rich soils support sugar maple, white ash and red oak. Drier sites, including ridges and hilltops, typically contain a mixture of oaks in which black, white and red oaks are prominent along with some hickory and red maple. White pine can be abundant in woods originating on abandoned pastures, but is only occasional in other areas. Hemlock is most frequent in damp areas and in stream valleys. Several non-forest vegetation types are represented in North Brookfield. These include marshes and shrub swamps associated with many ponds and streams. Alfalfa, clovers and various grasses (most of which are non-native) dominate the region's hayfields. Abandoned fields undergoing succession typically support some combination of gray birch, aspen, white pine and red maple.

The Natural Heritage Endangered Species Program within the Division of Fisheries and Wildlife have identified several plant species in North Brookfield that are considered endangered or threatened:

- Endangered species are native species that are in danger of extinction throughout all or part of their range, or are in danger of extirpation from Massachusetts, as documented by biological research. The Variable Sedge is an endangered vascular plant species last reported in North Brookfield in 2008.
- Special concern species are native species which have been documented by biological research or inventory to have suffered a decline that could threaten the

species if allowed to continue unchecked, or which occur in such small numbers or with such restricted distribution or specialized habitat requirements that they could easily become threatened within Massachusetts. The only vascular plant species of special concern in North Brookfield is the Climbing Fern, last reported in 1998.

## **Public Shade Trees**

The Massachusetts Greening the Gateway Cities Program (GGCP) is an environmental and energy efficiency program designed to reduce household heating and cooling energy use by increasing tree canopy cover in urban residential areas in the state's Gateway Cities. Although North Brookfield is not designated as a Gateway City, following the guidelines of the program can help guide our town with shade tree protection and planting in order to gain the benefits such trees provide, which are very important, especially as summers become hotter.

According to the Massachusetts Statewide Comprehensive Outdoor Recreation Plan (SCORP): *The GGCP is based on current research, which includes on-the-ground tree and energy measurements in Worcester and other northern climate cities. These studies show that tree canopy brings the greatest benefits when established over an entire neighborhood area, by lowering wind speeds and reducing summertime air temperature, in addition to the benefits of direct shading. It is estimated that every 1% increase in tree canopy above a minimum 10% canopy cover brings a 1.9% reduction in energy needs for cooling and up to a 1.1% reduction in energy for heating. All households in a neighborhood benefit, not just the ones with trees directly adjacent.*

World renowned hydrologist Michal Kravcik and his colleagues studied the effect of just a single tree on local temperatures: *Transpiring plants, especially trees, are the perfect air conditioning system of the Earth. Let's imagine a large, independently standing tree with a crown of about 10 meters (32 feet) in diameter. On the crown of this tree, which has a surface area of 80 m<sup>2</sup>, (262 square feet) there falls each day about 450 kilowatt hours (kWh) of solar energy (4-6 kWh/m<sup>2</sup>). Part of the solar energy is reflected, part is absorbed by the soil and part is converted into heat. If such a tree is well stocked with water, it evaporates (transpires) some 400 litres of water each day. For the transformation of water from a liquid state into water vapor, 280 kWh (of energy) is consumed. In the course of a sunny day, then, such a tree cools with a power equal to 20-30 kW, power comparable to that of more than 10 air-conditioning units.*

Source: *Water for the Recovery of the Climate-A New Water Paradigm*, by Michal Kravčík, Jan Pokorný, Juraj Kohutiar, Martin Kovác, and Eugen Tóth, copyright © 2007.

For size comparison, the large Sugar Maple tree in the field at Wendemuth Meadow Preserve on Bates Street in North Brookfield is 63 feet in diameter, twice as large as the tree in the example above. Just that single tree, then, cools with the power of 20 air conditioning units. Imagine the cooling power of an entire forest.

North Brookfield's publicly owned and managed trees include those in our cemeteries, parks, roadsides, and on town-owned land. Especially important is the tree cover along the watershed to Horse Pond Reservoir. These trees filter our drinking water as it flows into the reservoir. Old trees are also especially important. They represent our history and cannot be replaced if lost. A large shade tree has been growing for 70-100 years or more, and as such they represent a gift and an investment from those living in North Brookfield before us. The community is fortunate to have large trees along most of its roads. This reflects our rural character, which according to the town-wide survey, is the most important reason people enjoy living in North Brookfield. It is important to remember that as these old trees mature, new ones should be planted in order to ensure the rural character remains, and to provide for future generations as those in the past have provided for us. Tree planting is especially important in managed areas where young trees will not germinate on their own, due to mowing or other maintenance.

As the town works to improve its downtown area, tree planting should be a top priority. This will ensure not only cooler temperatures in the most developed part of town, but also ensure its attractiveness to the patrons of our businesses.

#### E. Fisheries and Wildlife

The mix of forest, fields, lakes, ponds, streams, the river and various types of wetlands found in North Brookfield create a diversity of habitats for wildlife. As a consequence, North Brookfield currently supports virtually every species that is common to Central Massachusetts, as well as a few uncommon species.

North Brookfield has a wealth of wetland habitats scattered throughout the town, with a diversity of type as well as size. Lakes, ponds, river, streams, marsh, bog and forest wetlands are all within, or partially within, town borders. These diverse wetlands provide habitat for a variety of fish, reptiles, amphibians, crustaceans, insects, furbearers, waterfowl and other birds. Wetlands are described as our most "dense" habitats because of the abundance of wildlife often found. Not only do they support the wetland species, but also upland species often visit wetlands to drink or feed. River corridors are natural migration routes.

Priority Habitats of Rare Species are designated by The Natural Heritage and Endangered Species Program. One (PH 1140) is located along Coy's Brook and extends from just north of Bates Street and Tucker Road all the way to West Brookfield. Another (PH 1153) occurs along the Five Mile River from the Fish & Game land along Ashley Road all the way to East Brookfield. Spotted and Wood Turtles (a species of special concern) and the Four-Toed Salamander are found in these two areas. Great Blue Heron, Osprey, Egret, Northern and Snow Geese, and a variety of ducks are

frequent visitors or temporary residents. Beavers are abundant and River Otters are also to be found. Other common species of turtles, frogs, salamanders, crustaceans, and other wetland species populate the river corridors. Many of these species can also be found in other wetland areas in Town.

Vernal pools are unique wildlife habitats best known for the amphibians and invertebrate animals that use them to breed. Vernal pools, also known as ephemeral pools, autumn pools and temporary woodland ponds, typically fill with water in the autumn or winter due to rising groundwater and rainfall and remain ponded through the spring and into summer. Vernal pools dry completely by the middle or end of summer each year, or at least every few years. Occasional drying prevents fish from establishing permanent populations. Many amphibian and invertebrate species rely on breeding habitat that is free of fish predators.

Some vernal pools are protected in Massachusetts under the Wetlands Protection Act regulations as well as several other federal and state regulations. The Natural Heritage Endangered Species Program (NHESP) serves the important role of officially “certifying” vernal pools that are documented locally. The North Brookfield Conservation Commission requests certification of vernal pools when they occur within areas applying for development permits. There are currently nine certified vernal pools in North Brookfield, and many, many potential vernal pools.

Brooks Pond, Lake Lashaway, Perry Pond, and the several small farm ponds also support abundant wildlife, with many species in common with the other wetlands. On rainy nights in early spring, North Street is teeming with small frogs (wood frogs, spring peepers) and salamanders as they migrate from the woods to Perry Pond. The lakes and ponds are often feeding sites for Heron, Egret, Osprey, Cormorant, Mallard, and Black Duck and Bald Eagles. They are also important stops for migrating waterfowl, with large flocks of Northern Geese, Merganser, and Bufflehead seen during migration.

North Brookfield's upland habitats are a mixture of woodlands, pasture, and brush (old fields). Species diversity is greatest where different habitats converge, especially when adjacent to wetland habitats. Wildlife species commonly occurring in these areas include raccoon, white tailed deer, red and grey fox, cottontail rabbit, partridge, woodchuck, chipmunk red and grey squirrel, skunk, opossum several species of hawk and owl, and virtually all song birds common to Central Massachusetts. Moose sightings occur periodically and black bear are found. Eastern coyote and wild turkey are common. Pheasant are released in town annually. The Golden Winged Warbler (listed as endangered) has been seen in town on at least two occasions (1975, 1980).

Wildlife species have evolved over centuries to utilize all available habitats. In a town such as North Brookfield, future development not only threatens the total amount of open space but also truncates what remains into isolated patches, often too small to provide satisfactory habitat for food and water, breeding, and cover. In general, the larger the area, the more species occur. Preserving species diversity means

preserving: (1) contiguous areas of upland and wetland habitats and (2) Preserving wildlife migration corridors, which serve to connect various habitat areas.

Lake Lashaway, Brooks Pond, and Perry Pond provide excellent fishing opportunities for warm water species (pan fish, bullhead, pickerel, and bass). Lashaway's drawdown program has actually improved its fishing, especially since the Division of Fisheries and Wildlife has deemed the conditions improved enough for the stocking of Northern Pike. The Five Mile River is stocked with Brook Trout annually, and some of its tributaries support native populations. Many residents avail themselves of the recreational opportunities these fisheries provide, and future growth in town should be carefully managed so as not to degrade these resources.

The Natural Heritage Endangered Species Program within the Division of Fisheries and Wildlife have identified several animal species in North Brookfield that are considered endangered, threatened or are of special concern:

- Endangered species are native species that are in danger of extinction throughout all or part of their range, or are in danger of extirpation from Massachusetts, as documented by biological research. The only endangered species listed in North Brookfield is the Golden-winged Warbler.
- Species of Special Concern are native species that have been documented by biological research to have suffered a decline that could threaten the species if allowed to continue unchecked, or that occur in such small numbers or with such restricted distribution or specialized habitat requirements that they could easily become threatened within Massachusetts. The Wood Turtle is the only animal species of special concern identified in North Brookfield.

## F. Scenic and Unique Environments:

**NOTE:** This table is the numbered key listing for the Unique Features Map immediately following this table

<b>Map</b>	<b>Site</b>	<b>Reason</b>	<b>Scenic/Unique</b>
1	Historic Marker South Main Street	This is the site of the original Town Common and the First Meeting House.	Scenic
2	Historic Marker – Bates Street	This is the location of the first Town Pound.	
3	Cemetery on Old West Brookfield Road	Historic Burial Ground.	Scenic
4	Wolcott House & Historic Marker -Slab City Road	Historic: Oldest House in North Brookfield for many years. Served as a Tavern on old Boston Post Rd.	Scenic
5	Bates Observatory	Historic: Located on Bell Hill along the shore of the old reservoir it is said you could see the masts of ships entering Boston Harbor from this point on a clear day.	Scenic
6	Old Stage Coach Road	Scenic Road, historic road to West Brookfield	Scenic
7	The Smallpox Caves	Historic/Archaeological, local mythology	Scenic
8	Kiminski Farm on Green Road	Scenic Area, much-loved family farm with old New England barn.	Scenic
9	Matthews Fulling Mill/Prouty's Woolen Mill	Historic Mill Complex/Archaeological Site where Rufus Putnam apprenticed.	Scenic
10	Murphy Run	Historic Site of Town's Combing Mills and Kettle Holes	Scenic and Unique
11	Horse Pond Reservoir and Surrounding Land	Open Space and Scenic Area/Drinking Water Supply	Scenic
12	Brookfield Orchards	Tourist Attraction and Functioning Family- Run Orchard since 1918.	Scenic
13	Town Forest at Intersection of Routes 67 and 148	Town Forest Park, Trails that connect with Wendemuth Meadow, Disc Golf, Open Space, stocked fishing pond.	Scenic

14	Old Railroad Station and Rail Trail	Historic: Former Train Depot. Open Space/Scenic Walk with a variety of scenery and historic sites.	Scenic
15	Town House	Historic Building designed by Eldridge Boyden. Built during the Civil War, it contains plaques dedicated to those killed during the war.	Scenic
16	Sucker Brook Valley	Open Space, Flood plain, Historic Mills.	Scenic
17	Bennett's Hill	Open Space, Historic Farm, Popular Winter sledding Hill	Scenic
18	Slab City Road	Part of the Original Post Road and Location of the first Settlement of North Brookfield	Scenic
19	Woolcott Woods	Town Forest, Hiking Trails, Historic Mill Pond from 1692, Part of the Original Second Settlement of Brookfield.	Scenic
20	Brooks Pond	Watershed, Privately-Owned Pond with Limited Public Access.	Scenic
21	Five Mile River Corridor	Open Space and Wildlife Management Area.	Scenic
22	Sucker Brook Wildlife Management Area	Scenic open Space and Wildlife Habitat.	Scenic
<b>Map #</b>	<b>Site</b>	<b>Reason</b>	
23	Longview Farm	Historic Recording Studio and Farm. Open Space	Scenic
24	Town Common	Town's most active Recreation Area. Baseball fields, Playground, Basketball Courts.	Scenic
25	Cider Mill Road and Wetlands	Historic Site of North Brookfield's Cider Mills	Scenic
26	Coy Brook Valley	Scenic Open Space, Priority Habitat	Scenic

27	Martin Bergen Property – Boynton Road	Martin Bergen was one of the greatest baseball catchers of the 19 <sup>th</sup> century. Open Space.	Scenic
28	Cemetery - Smith-Hanson Road	Historic Burial Ground	Scenic
29	Walnut Grove Cemetery – Elm Street	Historic Town Burial Ground. Still in Use	Scenic
30	Old French Cemetery – Elm Street	Historic Burial Ground	Scenic
31	Maple Street Cemetery	Historic Burial Ground	Scenic
32	Fire Station – School Street	North Brookfield’s Historic Engine House	Scenic
33	St. Joseph’s Catholic Church	First Catholic Church in North Brookfield	Scenic
34	First Congregational Church	Longest Established Congregation in North Brookfield	Scenic
35	Union Star Building	Originally the Union Congregational Church. Became the Town’s First Movie House.	Scenic
36	Old Town Common	Historic Site of North Brookfield’s first Meeting House	Scenic
37	Haston Free Public Library	Historic Building, Library Still in Use	Scenic
38	Ayers House – Ayers Street	Historic Site	Scenic
39	Oliver Ward House and Shoe Factory – Ward Street	Site of First Shoe Factory in North Brookfield	Scenic
40	Wendemuth Meadow – Bates Street	Site of Historic Quabaug Springs. Walking Trails, Community Gardens, Preserved Open Space, Seepage Hillside	Scenic and Unique
41	Elm Hill Wildlife Sanctuary	APR-Protected Audubon Sanctuary with Wildlife Habitat. Foresters for the birds Program. Part of the sanctuary is in Brookfield.	Scenic

## North Brookfield Unique Features Map

## G. Environmental Challenges:

### G-1. Surface Water Pollution

Development has resulted in a host of negative impacts to North Brookfield's water resources, including failing septic systems, excessive shoreline development, poor erosion control, and non-point pollution such as washed away salt from roadway maintenance efforts, manure seepage from agricultural uses, fertilizers from lawn maintenance, or pesticide applications. Both State and local water quality monitoring efforts highlight the Town's water quality issues.

The MA Department of Environmental Protection (DEP) designates six classes of water quality, based largely on the standards of the Federal Clean Water Act. Class A refers to those surface water resources that are used as water supply sources. Class B waters are considered safe for fishing, swimming and boating. The remaining four water quality categories cover those surface water resources with lesser water quality. The majority of the surface water resources in the Chicopee Watershed meet the Class B water quality standards. There are, however, several ponds and river segments that do not meet the Class B standards.

Mass GIS lists Forget-Me-Not Brook as water quality impaired due to microbe contamination. The EPA site "How's My Waterway?" lists Lake Lashaway as having mercury contamination.

Under the regulations of the Federal Clean Water Act, states are required to file a report every two years that identifies those surface waters that are not expected to meet the Act's surface water quality standards (Class A, Class B, etc.). This report, known as the Massachusetts Section 303(d) List of Waters, was last prepared in 2004 through a joint effort of the Executive Office of Energy and Environmental Affairs (EOEEA) and the DEP. The table below lists those surface waters in North Brookfield that, according to the 2004 303(d) report, *do not* meet the water quality standards of the Federal Clean Water Act.

Surface Water Resource	Sub-Watershed	Pollutants/Stressors
Lake Lashaway Dunn Brook	Five Mile River Basin Quaboag River Basin	exotic aquatic species organic enrichment /low dissolved oxygen

The State has also identified Lake Lashaway as being mercury-impaired. In the report entitled, A TMDL Alternative Regulatory Pathway Proposal for the Management of Selected Mercury-Impaired Waters, prepared jointly by the EOEAA and DEP, Lake Lashaway is categorized as Class C4 waters, meaning it a waterbody impaired by pollution and its restoration will require measures beyond the development and implementation of a Total Maximum Daily Loads (TMDL) plan. The TMDL plan is essentially a “pollution budget” designed to restore the health of the impaired waterbody. The Federal Clean Water Act requires that states must develop a TMDL plan for each waterbody identified as being impaired. Components of a TMDL plan include identifying the source(s) of the pollutant from direct discharges (point pollution sources) and indirect discharges (non-point pollution sources), determining the maximum amount of the pollutant that can be discharged into a specific waterbody to meet water quality standards and developing a plan to meet that goal. The State has yet to prepare a TMDL plan for Lake Lashaway.

It should be noted that North and East Brookfield have been working together in an effort to address the water quality issues affecting Lake Lashaway and have formed a joint committee for this purpose. The 2005 spring Town Meeting season saw North Brookfield appropriate \$175,000 for the preparation of a comprehensive wastewater management plan that will look two decades into the future. Unfortunately, East Brookfield voters rejected a similar funding proposal at the spring 2005 Town Meeting. It is likely that this proposal will be resurrected at a later date. If and when such a study is fully funded, it will result in an inter-municipal strategy for dealing with Lake Lashaway’s identified water quality problems.



G-2. Identified Polluted Sites in Town

According to the Massachusetts Department of Environmental Protection currently 27 releases have been reported on 22 21E sites (also known as “brownfields”) in North Brookfield:

RTN	Address	Site Name	Category	Status	Date	Chemical Type
2-0020783	87 W BROOKFIELD RD	HYDRAULIC OIL RELEASE	TWO HR	PSNC	03/26/2019	
2-0020454	12 MILL STREET	CROWLEY FUEL OIL	120 DY	PSNC	03/12/2020	
2-0020421	17 SCHOOL STREET	QUABAUG VIBRAM	120 DY	TIER 2	01/11/2019	
2-0020418	7 LAKEVIEW ROAD	RESIDENTIAL OIL RELEASE	TWO HR	PSNC	05/03/2018	
2-0019853	34 SCHOOL STREET	QUABAUG VIBRAM	120 DY	PSNC	09/28/2016	
2-0019718	58 EAST BROOKFIELD RD	NORTH BROOKFIELD LANDFILL	TWO HR	ADEQUATE REG	06/18/2019	
2-0019707	10 NEW SCHOOL DR	NORTH BROOKFIELD ELEMENTARY SCHOOL	TWO HR	PSNC	03/24/2016	
2-0019655	34 SCHOOL STREET	QUABAUG RUBBER	120 DY	PSNC	09/28/2016	
2-0019004	POLE 845-66 ON ORCHARD RD	SOLAR FARM UTILITY RIGHT OF WAY	TWO HR	RAO	11/15/2013	Oil
2-0018935	122 SOUTH MAIN ST	VERIZON, NEW ENGLAND INC.	120 DY	RAO	07/26/2013	Oil and Hazardous Material
2-0018399	70 EAST BROOKFIELD RD	FORMER CHASE PRECAST	120 DY	RAO	02/23/2012	Hazardous Material
2-0018398	70 EAST BROOKFIELD RD	FORMER CHASE PRECAST	120 DY	RAO	10/10/2013	Oil and Hazardous Material
2-0018244	10 CIDER MILL ROAD	UST REMOVAL	72 HR	PSNC	10/30/2014	Oil
2-0017588	111 AND 113 SOUTH MAIN ST	FORMER VINTAGE GARAGE	120 DY	RAO	07/13/2010	Oil
2-0017318	40 HINES BRIDGE RD	SAND & GRAVEL PIT	TWO HR	RAO	01/16/2009	Oil
2-0017122	10 GROVE ST	TOWN OF NORTH BROOKFIELD	120 DY	TIER 2	06/10/2009	Hazardous Material
2-0016887	59 SUMMER ST	FMR FRANK COOKE OPTICAL, INC.	72 HR	RAO	04/02/2008	Oil
2-0016628	192 AND 206 NORTH MAIN ST	LANGEVIN RESIDENCE	120 DY	RAO	07/12/2007	Oil
2-0016503	185 NORTH MAIN ST	NORTH BROOKFIELD TOWN HOUSE	120 DY	RAO	12/28/2012	Oil
2-0016187	NORTH BROOKFIELD RD	PENSKE TRUCK LEASING CO	TWO HR	RAO	04/26/2006	Oil
2-0015325	10 NEW SCHOOL DR	NORTH BROOKFIELD HIGH SCHOOL	120 DY	RAO	11/19/2004	

2-0014964	60 PROSPECT ST	BFI	TWO HR	RAO	12/12/2003	
2-0014848	70 EAST BROOKFIELD RD	CHASE PRECAST	TWO HR	RAO	08/27/2003	
2-0014794	70 EAST BROOKFIELD RD	CHASE PRECAST CONCRETE	TWO HR	RAO	07/29/2003	Oil
2-0014233	70 EAST BROOKFIELD RD	CHASE PRECAST	TWO HR	RAO	05/17/2002	Oil
2-0014144	100 GROVE ST	ROAD SPILL	TWO HR	RAO	03/05/2002	
2-0014021	326 NORTH MAIN ST	VINER RESIDENCE	TWO HR	RAO	01/26/2005	Oil
2-0013937	84 SOUTH MAIN ST	CUSHING ST SERVICE STATION	72 HR	RAO	08/09/2002	Oil
2-0013596	84 SOUTH MAIN ST	GAS STA FMR	120 DY	RAO	08/09/2002	Oil and Hazardous Material
2-0013451	70 EAST BROOKFIELD RD	CHASE PRECAST CORP	120 DY	RAO	12/28/2000	Oil
2-0013272	70 EAST BROOKFIELD RD	CHASE PRECAST	TWO HR	RTN CLOSED	04/25/2001	Hazardous Material
2-0013256	70 EAST BROOKFIELD RD	CHASE PRECAST	72 HR	RAO	12/30/2003	Oil
2-0013140	24 EAST BROOKFIELD RD	EM INDUSTRIES INC	120 DY	RAO	12/29/2000	Oil and Hazardous Material
2-0013058	12 MILL ST	CROWLEY FUEL CO	120 DY	RAO	07/30/2004	Oil
2-0012824	GREEN RD	POLE 78	TWO HR	RAO	08/11/1999	Oil
2-0012560	58 SCHOOL ST	NORTH BROOKFIELD DPW	72 HR	RAO	04/05/1999	Oil
2-0012111	MILL ST	RAILROAD BED FMR	TWO HR	RAO	04/21/1998	Oil
2-0011690	10 MILL ST	BULK OIL FACILITY	TWO HR	RAO	06/24/1997	Oil
2-0011571	BRICKYARD AND BULLARD	POLE 17	TWO HR	RAO	03/18/1997	Oil
2-0011543	10 GROVE ST	AZTEC INDUSTRIES	TWO HR	RAO	01/25/2001	Oil
2-0011130	MILL RD	POLE 13	TWO HR	RAO	04/25/1996	Oil
2-0010509	EAST BROOKFIELD RD	J MAC WIRE CO	TWO HR	RAO	01/13/1995	Oil
2-0010464	229 NORTH MAIN ST	GILLETTE CONTRACTING	TWO HR	RAO	11/23/1994	Oil
2-0010408	327 NORTH MAIN ST	SAVERS COOPERATIVE BANK	120 DY	PSNC	06/25/2015	Hazardous Material
2-0000971	BIGELOW ST	CROWLEY FUEL CO	NONE	RAO	05/30/1995	Oil
2-0000568	17 SCHOOL ST	QUABAUG RUBBER	NONE	RAO	04/19/2000	

In addition to these 45 sites there are two others that have not had a reported release but are of concern locally. A site on Brown Street that has functioned as an auto repair facility and scrap metal reclamation area is viewed as a source of possible contamination and the concern is further increased due to the proximity of the site to several small brooks and an area of Town that is serviced by private wells. The other site is located on Oakham Road (Rt. 148). This site has been a long-term automobile repair facility, which previous owners failed to maintain properly. Currently there is a lower intensity repair facility, however, the Town fears the damage has already been done.

North Brookfield no longer operates a landfill facility. This facility was capped in 1996 and is monitored for air and groundwater quality. The Town also monitors several private wells in the area to ensure there is not contamination. The Town now uses a portion of the landfill property for its successful recycling program. The recycling center on East Brookfield Road is open every Wednesday mornings and all day on Saturday and accepts the following materials: plastic, glass, mixed paper, newspaper, cardboard, antifreeze, motor oil, car batteries, florescent light bulbs, tires and scrap metal. Also, plastics labeled #1 and #2, are accepted, along with bottles eligible for deposit. The site also contains a building material “take it or leave it” center for the recycling of household goods, furniture and children’s toys. This site also serves as the Town’s transfer station. The average weekly amount of solid waste collected in 2020 was roughly 12.3 tons per week. This total represents the Town’s trash placed into the large compactor. The Town also collected and baled about 1.9 tons of recyclables per week. Additionally, about .24 tons of recyclables, in the form of scrap metal and electronics were collected per week. The Town also joins with the neighboring Brookfields to sponsor a household hazardous waste collection day twice a year. The four Brookfields and Spencer pay for their residents to participate in these collections. Residents from Oakham, New Braintree and Hardwick can participate as well, but must pay at the site for the collection and disposal of their waste.

### G-3. Erosion

Erosion is defined as a geological process in which earthen materials wear away and are transported by natural forces, such as wind or water. Agents of erosion can include rainfall, bedrock wear, wind abrasion, groundwater processes, and mass movement processes in steep landscapes. Though erosion naturally occurs, human activities can increase the rate and severity at which erosion occurs. Areas in North Brookfield with increased risk of erosion fall within the same areas that see localized flooding. These areas include Ward Street, Slab City Road, Gilbert Street, St. Clair Avenue, Grove Street, Tucker Street, Town Farm Road, Spring Street, and West Brookfield Road.

### G-4. Chronic Flooding

Chronic inundation is defined as flooding that occurs 26 times per year, or more, on average. In North Brookfield, there are several areas that are vulnerable to chronic flooding. Flooding issues have been noted along Ward Street, Slab City Road,

Gilbert Street, St. Clair Avenue, Grove Street, Tucker Street, Town Farm Road, and Spring Street. High density rainfall events combined with undersized culverts and beaver activity are major contributing factors to this growing issue.

#### G-5. Sedimentation

Sedimentation is the geologic process of the deposition of sediments. It is accomplished by decreasing the velocity of water to a point at which particles will no longer remain in suspension, and gravity moves them down from the water flow as sediment on the waterbody floor. Particle size, water temperatures, and currents can all have impacts on sedimentation. Due to localized flooding issues, the drainage ditches along West Brookfield Road are becoming impacted by sedimentation. These ditches become full of dirt, and during heavy rain events, they fill up with water and eventually spill into the road.

#### G-6. New Development

If not planned for, new development can fragment natural habitats, reducing the ecological value of the land and biodiversity of the community. Development around wetlands and water resources is of special concern as the Town does not have a Wetlands Protection Bylaw. Though the Town does uphold the Wetlands Protection Act, without a more stringent Bylaw, some of the Town's water resources may be more vulnerable to development pressures.

#### G-7. Forestry Issues

Forested areas throughout the Town were identified as being vulnerable to increasing pressures from heat, drought, invasive pests, and severe storms. The tree population in North Brookfield is aging, and approximately 62% of the Town is covered in forested areas. These aging, dead, and dying trees are risks for damaging utility wires and obstructing roadways when they fall down during windstorms. In addition to these risks, increases in temperatures and consecutive dry days will create ongoing hazards with drought and wildfires. Forested areas along Bell Road and Route 67 are particularly vulnerable to an increased fire load.

#### G-8. Environmental Equity

In North Brookfield, open space and recreation resources can be found scattered throughout the Town. However, some recreation limited or dead zones exist in the eastern and western parts of Town. On the eastern side of Town, there are some State- and Town-owned open space resources, but the majority of open spaces on this side of Town are in Chapter 61 programs. These Chapter 61, 61 A, and 61 B lands are not all publicly accessible and could be lost to development if the land is sold and not acquired by the Town. This is especially concerning as the only "protected" areas around Brooks Pond and Lake Lashaway are Chapter 61 and Chapter 61 A lands. If these lands are lost, those water resources will be at risk to overdevelopment. On the western side of Town, there are some privately-owned lands protected by Agricultural Preservation Restrictions. But similar to the eastern side of Town, the majority of open spaces fall under Chapter 61, Chapter 61 A, and Chapter 61 B lands. There are numerous plots of undeveloped parcels in these dead zones that should be considered for acquiring additional open space and recreation opportunities.

# SECTION 5: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST

## INTRODUCTION

**What is Open Space?** The term "open space" refers to conservation land, forested land, recreation land, and agricultural land which is owned by an agency or organization dedicated to conservation. Open Space also refers to undeveloped land with conservation or recreation interest that may not yet be permanently protected from development. Some open space can be used for passive activities such as walking, hiking, and nature study while others are used for more active recreation such as soccer, tennis, and baseball. Our inventory is required to list all important areas, whether publicly or privately owned.

**What are the benefits of Open Space?** All of life is reliant upon the proper functioning of natural systems to provide us with healthy food, clean water and air, and the diversity of life forms that give us health and a sense of well-being. These "ecosystem services" are provided by the "natural infrastructure" that sustains life: forests, biodiversity, water resources and soil filled with living organisms. These are the benefits open space brings to a community.

**What is Open Space Planning?** Development pressures are increasing in North Brookfield. In order to maintain our rural character--given as the most important reason people enjoy living in our town--planning is required. Without planning, development often occurs "below the radar" and the lifestyle of our residents can be altered before we realize it is happening. Change is inevitable, but with planning, change can occur in a way that preserves our rural character. Our Open Space and Recreation Plan is a guide to preserving the most scenic and environmentally important areas in town, and ensuring our community enjoys both passive and active recreation and a good quality of life.

The Town of North Brookfield's open space and recreational resources provide a number of social and ecological benefits for the Town. These spaces add to the community's character and improve the quality of life of residents and visitors. The spaces discussed in this plan not only provide areas for activities and events, or provide habitat protection, but they also help to enhance nearby property values and can attract businesses and tourism.

It is important to protect these open spaces and recreational facilities so that these social and ecological benefits are continuously enjoyed in the future. In the Town of North Brookfield, these areas include a wide variety of landscapes, with various owners and degrees of protection. By examining an inventory of lands within the Town currently, the Town can then evaluate future open space planning needs. The particular inventory

contained within this chapter will examine both protected and unprotected open space and recreational lands. Protected lands can be public or private parcels that are committed in perpetuity to conservation or recreation purposes either by deed restriction or easement (Conservation Restriction). Partially protected lands have a partial or temporary restriction on development.

## **A. Protected Land in North Brookfield**

**Permanent Protection for Land in North Brookfield.** There are several methods to permanently protect land.

1. Article 97 of the State Constitution provides permanent protection for certain lands acquired for natural resource purposes. Article 97 lands are often owned by the municipal conservation commission, water department or by a state conservation agency such as the Massachusetts Division of Fish & Wildlife.

2. The Agriculture Preservation Restriction (APR) Program is designed to foster and protect agriculture in Massachusetts. It was established by the Legislature in 1977 and is administered by the Massachusetts Department of Agricultural Resources. It is a voluntary program that offers a non-development alternative to owners of high-quality agricultural land.

The program pays farmland owners the difference between the "fair market value" and the "agricultural value" of their farmland in exchange for a permanent deed restriction which protects the land from development and ensures it will remain as farmland into the future.

The program's purpose is to support agriculture by making land more affordable to farmers, enabling farm operations to be more financially secure, and protecting the most productive agricultural land in Massachusetts.

3. Land owners who want to preserve their land in perpetuity can do so by putting a Conservation Restriction (CR) on their land. They remain the owners of the land, but give up the right to develop it. A CR is a voluntary legal agreement between a landowner and a qualified conservation organization such as a land trust. The land trust will hold the development rights, and the legal agreement ensures the right to develop will never be exercised.

Conservation Restrictions are tailor-made to the needs and desires of the landowner. Part of the land may be set aside for development if so desired. The CR may be donated or purchased by a land trust or other qualified entity. A donated CR is a tax-deductible charitable gift and may substantially reduce estate taxes. There are also financial incentives offered by the state of Massachusetts that help make preserving land affordable.

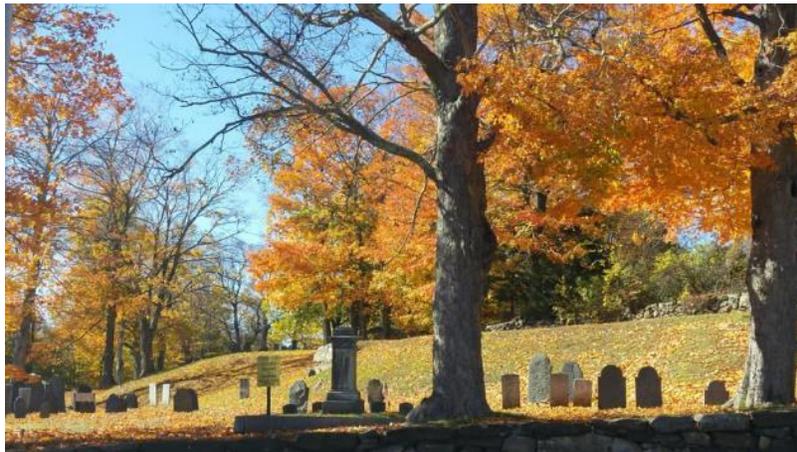
With a CR, the landowner retains ownership and the remaining rights to use the land, sell it, or pass it on to heirs. In this way, landowners have the knowledge that their land will remain in its natural state in perpetuity.

Two large parcels of land have been permanently protected in recent years. A new town forest, Woolcott Woods, on Brickyard Road is protected by Article 97. Wendemuth Meadow Preserve on Bates Street is owned by East Quabbin Land Trust and protected by a CR held by the North Brookfield Conservation Commission.

### **Limited Protection for Land in North Brookfield.**

Privately owned parcels that have “limited protection” fall under the Chapter 61 taxation program that offers a lower (tax) valuation to property owners who keep their land under a managed woodlot program, in use for agricultural purposes, or kept in a natural state and used for recreational purposes. Chapter 61 properties are located throughout North Brookfield.

The purpose of the Chapter Programs is to make keeping land undeveloped more affordable for landowners. However, land in the Chapter Program is not permanently protected. We have seen many acres taken out of the program for development in recent years.



**Table OSR-11**  
**North Brookfield Land Protection Summary**

<u>Description and Status</u>	<u># of Parcels</u>
<u>Acres</u>	
Town Owned Limited Protection (municipal buildings) 76.37	20
Town Owned Permanently Protected (conservation land, cemeteries, recreation) 441.44	33
State Owned Permanently Protected 745.12	20
Privately Owned Permanently Protected Mass Audubon, East Quabbin Land Trust, APR) 1,080.62	20
Privately Owned Limited Protection 4,356.39	145
 Total Amount of Land Permanent Protected 2,267.18	 72
Total Amount of Land Under Limited Protection 4,432.76	165

North Brookfield has 2,267 acres of land under permanent protection (16.1% of the Town's total land area), and 4,433 acres of land having limited protection (31.5% of the Town's total land area). All told, North Brookfield has 6,700 acres of land (close to half of the Town's total land area) having some degree of protection.

**Half Earth.**

There is a world-wide effort underway to permanently protect 50% of the earth, both land and ocean, to give nature the area needed to perform the ecosystem services that sustain life. This amount was calculated by the eminent biologist E.O. Wilson, right here

in Massachusetts, and is known as Half Earth. Ecosystem services maintain life through the “green infrastructure” of nature. For example, forests provide and filter water, prevent erosion, clean the air and sequester carbon. To preserve life on our planet, including our own, we must reach the Half Earth goal by 2050.

An interim goal, called Thirty by Thirty, is to preserve 30% of the land by 2030.

**Reaching the 30 x 30 goal:** North Brookfield’s land area is 21.99 square miles, or 14,073.6 acres. Thirty percent of this area equals 4,222.08 acres. As you can see in Table OSR-8, 2,267.18 acres of land in North Brookfield are already permanently protected. That leaves 1,954.9 acres to preserve by 2030.

**Agricultural Preservation Restriction (APR) Land in North Brookfield**

<u>Owner’s Name</u>	<u>Acres</u>
Morin, Roland and Judith	66.2
Stumpf, John and Kennan, Charlene	90.93
Bay Bank	67
Kulisa, Ann	96.8
Mendala Farm	deed not available
Woodis, William and Paula	deed not available
Edwards, George	80
Dorman, Richard and Benedict, Dorothy	34
Means, Louise Trust, Massachusetts Audubon Society Brookfield	1054.4 in North Brookfield and Brookfield

**Conservation Restrictions (CR) in North Brookfield**

<u>Owner’s Name</u>	<u>Acres</u>
Wendemuth Meadow Preserve, East Quabbin Land Trust	30.69
Means, Louise Trust, Massachusetts Audubon Society Brookfield	1054.4 in North Brookfield and Brookfield

## Chapter 61 Lands

### 600 Class Forestry Lands

Parcel Year	State Use Cd	Parcel Id	Tot Lnd Area	Par Add No 1	Par Add St 1	Owner Name 1
2020	601	212/004.0-0086-0027.0	2.37	27	BARNES RD	POULIN, LEONARD A., TRUSTEE
2020	601	212/012.0-0040-0072.0	15.30	72	WAITE CORNER RD	COLTEY, RONALD G. & MARILYN
2020	601	212/012.0-0040-0082.0	80.00	82	WAITE CORNER RD	COLTEY, RONALD G. & MARILYN
2020	601	212/016.0-0083-0113.0	83.30	113	OAKHAM RD	SPIVA, PHILIP G. TRUSTEE OF
2020	601	212/019.0-0065-0019.0	4.96	19	SMITH HANSON RD	GRAY, RONALD S. & NANCY JEAN
2020	601	212/027.0-0066-0007.0	19.93	7	WIGWAM RD	MOONEY, JAY F. & NICOLE D.
2020	601	212/038.0-0097-0003.0	3.80	3	ORCHARD RD	HARGREAVES, PAUL W.
2020	601	212/040.0-0104-0024.0	27.25	24	GREEN RD	ROBBINS, THOMAS J. & LISA A.
2020	601	212/040.0-0104-0028.0	2.27	28	GREEN RD	ROBBINS, THOMAS J & LISA A
2020	601	212/043.0-0057-0072.0	5.21	72	EAST BROOKFIELD RD	HAYDEN, DAVID & SUZANNE
2020	601	212/043.0-0059-0015.0	5.88	15	TOWN FARM RD	BURKHARDT, JOHN M. & JOAN
2020	061	212/018.0-0073-0020.0	92.64	20	BOYNTON RD	NORTH BROOKFIELD SPORTSMEN'S CLUB INC
2020	601	212/044.0-0008-0082.0	33.84	82	OLD E BROOKFIELD RD	NORRIE, KATHERINE A. &
2020	016	212/004.0-0086-0030.0	51.00	30	BARNES RD	POULIN, LEONARD A. , TRUSTEE
2020	016	212/005.0-0083-0182.0	30.00	182	OAKHAM RD	HIGGINS, CLARINDA , TRUSTEE
2020	016	212/018.0-0040-0038.0	65.27	38	WAITE CORNER RD	O'CONNOR, CAITLIN M.
2020	016	212/027.0-0066-0008.0	11.05	8	WIGWAM RD	GRAY, RONALD S & NANCY JEAN
2020	016	212/038.0-0098-0021.0	22.05	21	CON WARREN RD	HARGREAVES, PAUL W
2020	016	212/040.0-0104-0032.0	10.49	32	GREEN RD	ROBBINS, THOMAS J & LISA A
2020	016	212/043.0-0057-0080.0	6.60	80	EAST BROOKFIELD RD	HAYDEN, DAVID R & SUZANNE E
2020	016	212/043.0-0059-0014.0	27.75	14	TOWN FARM RD	WILKINSON, JAMES A. SR. & ANN P.
2020	016	212/043.0-0059-0017.0	6.52	17	TOWN FARM RD	BURKHARDT, JOHN M. & JOAN B.
<b>Count 23</b>			607.48			

### 700 Class Agriculture – Horticultural Lands

Parcel Year	State Use Cd	Parcel Id	Tot Lnd Area	Par Add No 1	Par Add St 1	Owner Name 1
2020	712	212/002.L-0105-0007.0	9.56	7	SHORE RD	WHITCOMB, NATALIE H. & THOMAS HAYES TRST
2020	712	212/024.0-0006-0021.0	0.71	21	HILLSVLE SPENCER RD	KITTREDGE, DANIEL R. &
2020	712	212/024.0-0006-0023.0	1.52	23	HILLSVLE SPENCER RD	KITTREDGE, DANIEL &
2020	713	212/004.0-0084-0094.0	37.12	94	RUFUS PUTNAM RD	SMITH, FREDERICK T. III
2020	713	212/004.0-0086-0005.0	8.70	5	BARNES RD	MENDALA, SOPHIE (ESTATE OF)
2020	713	212/004.0-0086-0013.0	38.01	13	BARNES RD	RUSSIN, WILLIAM H.
2020	713	212/008.0-0081-0079.0	39.26	79	NEW BRAINTREE RD	CUTRUMBES, JOHN G & CAROL J
2020	713	212/008.0-0081-0092.0	28.00	92	NEW BRAINTREE RD	CUTRUMBES, JOHN G & CAROL J
2020	713	212/012.0-0070-0005.0	99.00	5	BARRETT RD	CERNAUSKAS, JOHN & NORMA G
2020	713	212/012.0-0071-0047.0	43.40	47	KING RD	STUMPF, JOHN J JR. & DENISE M.
2020	713	212/014.0-0081-0050.0	21.25	50	NEW BRAINTREE RD	LAIRD, MARIE J.
2020	713	212/015.0-0084-0039.0	3.20	39	RUFUS PUTNAM RD	GREGOIRE, ROBERT E JR & KATHY J
2020	713	212/019.0-0070-0016.0	24.75	16	BARRETT RD	CERNAUSKAS, JOHN & NORMA G
2020	713	212/020.0-0040-0011.0	31.03	11	WAITE CORNER RD	BENNETT, JEFFREY F. & HARRY R.
2020	713	212/024.0-0089-0027.0	11.01	27	CROOKS RD	WAYTINA, ALICE A. & MARY
2020	713	212/026.0-0006-0043.0	6.22	43	HILLSVLE SPENCER RD	NYKIEL, RICHARD & SUSAN
2020	713	212/029.0-0108-0011.0	9.85	11	LANE AVE	GUSTAFSON, MARK F., LYNN L. & CARL
2020	713	212/030.0-0064-0020.0	19.69	20	TUCKER RD	BUZZELL, RALPH A & MABEL P
2020	713	212/033.0-0104-0005.0	9.00	5	GREEN RD	KIMINSKI, JOHN M.
2020	713	212/034.0-0101-0019.0	2.88	19	ASHLEY RD	CONDEE, RALPH W & PAULINE B
2020	713	212/036.0-0051-0023.0	36.80	23	OLD W BROOKFIELD RD	EDWARDS, JANET
2020	713	212/039.0-0104-0021.0	14.05	21	GREEN RD	KIMINSKI, JOHN M.
2020	713	212/041.0-0001-0081.0	16.45	81	WEST BROOKFIELD RD	BURNETT, HAROLD W.
2020	713	212/047.0-0060-0018.0	25.86	18	SLAB CITY RD	ZUIDEMA, JEFFREY R. & TODD M.
2020	713	212/048.0-0009-0025.0	65.45	25	NORTH ST	WHITCOMB, NATALIE H., TRUSTEE
2020	714	212/033.0-0007-0110.0	5.44	110	ELM ST	BROOKFIELD ORCHARDS
2020	714	212/033.0-0100-0115.0	64.92	115	WARD ST	BROOKFIELD ORCHARDS
2020	714	212/038.0-0097-0011.0	13.00	11	ORCHARD RD	BROOKFIELD ORCHARDS
2020	714	212/038.0-0097-0012.0	20.31	12	ORCHARD RD	BROOKFIELD ORCHARDS
2020	717	212/003.0-0084-0075.0	72.92	75	RUFUS PUTNAM RD	ACHORN, MARGARET R.
2020	717	212/007.0-0071-0026.0	83.00	26	KING RD	BENNETT, JEFFREY F. & HARRY R.
2020	717	212/007.0-0071-0027.0	30.70	27	KING RD	BENNETT, JEFFREY F. & HARRY R.
2020	717	212/012.0-0070-0025.0	17.00	25	BARRETT RD	WALKER FARMS, LLC
2020	717	212/013.0-0071-0035.0	0.65	35	KING RD	BENNETT, JEFFREY F. & HARRY R.
2020	717	212/019.0-0065-0017.0	11.00	17	SMITH HANSON RD	BENNETT, JEFFREY F. & HARRY R.
2020	717	212/022.0-0094-0024.0	27.57	24	ADAMS RD	HUBACZ, PAUL J. & DEBORAH A.
2020	717	212/024.0-0005-0150.0	20.26	150	SCHOOL ST	GUSTAFSON, MARK F. & LYNN L. & CARL
2020	717	212/027.0-0066-0014.0	8.29	14	WIGWAM RD	BENNETT, JEFFREY F. & HARRY R.
2020	717	212/030.0-0065-0083.0	7.75	83	SMITH HANSON RD	SULLIVAN, MARIA & DIMAIO, NICHOLAS S., T
2020	717	212/039.0-0008-0050.0	22.71	50	OLD E BROOKFIELD RD	DOBECK, GERALD J. & JUDITH A.
2020	718	212/001.0-0075-0063.0	58.70	63	MILL RD	MORIN, ROLAND W & JUDITH A
2020	718	212/006.0-0071-0050.A	48.08	50	KING RD	STUMPF, JOHN J JR. & DENISE M.
2020	718	212/008.0-0085-0015.0	47.09	15	STODDARD RD	CUTRUMBES, CAROLE J
2020	718	212/015.0-0084-0035.0	83.90	35	RUFUS PUTNAM RD	GREGOIRE, ROBERT E JR & KATHY J
2020	718	212/027.0-0065-0052.0	25.50	52	SMITH HANSON RD	HANSON, DAVID G. & JOHN E. TRUSTEES OF
2020	718	212/027.0-0065-0052.A	1.30	52	SMITH HANSON RD	HANSON, DAVID G. & JOHN E. TRUSTEES OF
2020	718	212/030.0-0063-0003.0	21.56	3	TUCKER CROSS RD	EDWARDS, JANET
2020	718	212/030.0-0064-0017.0	1.20	17	TUCKER RD	BUZZELL, RALPH A & MABEL P
2020	718	212/048.0-0106-0023.0	9.77	23	BRICKYARD RD	ZAJAC, LAURA R.

700 Class Agricultural – Horticultural Lands continued

Parcel Year	State Use Cd	Parcel Id	Tot Lnd Area	Par Add No 1	Par Add St 1	Owner Name 1
2020	719	212/044.0-0008-0094.0	0.72	94	OLD E BROOKFIELD RD	JOHNSON, SCOTT K. &
2020	719	212/044.0-0008-0096.0	42.73	96	OLD E BROOKFIELD RD	JOHNSON, SCOTT K. &
2020	720	212/001.0-0075-0039.0	26.39	39	MILL RD	MORIN, ROLAND W. & JUDITH A.
2020	720	212/002.0-0075-0034.0	62.30	34	MILL RD	MORIN, ROLAND W & JUDITH A
2020	720	212/024.0-0006-0025.0	1.53	25	HILLSVLE SPENCER RD	KITTREDGE, DANIEL R. &
2020	720	212/024.0-0006-0027.0	0.72	27	HILLSVLE SPENCER RD	KITTREDGE, DANIEL R. &
2020	720	212/027.0-0064-0010.0	1.36	10	TUCKER RD	HANSON, DAVID G. & JOHN E. TRUSTEES OF
2020	720	212/027.0-0064-0012.A	38.50	12	TUCKER RD	HANSON, DAVID G. & JOHN E. TRUSTEES OF
2020	720	212/029.0-0095-0031.0	11.00	31	RYAN RD	GUSTAFSON, MARK F., LYNN L. & CARL
2020	720	212/029.0-0108-0006.0	3.82	6	LANE AVE	GUSTAFSON, MARK F., LYNN L. & CARL
2020	720	212/029.0-0108-0024.0	14.50	24	LANE AVE	GUSTAFSON, MARK F., LYNN L. & CARL
2020	720	212/030.0-0063-0007.0	23.96	7	TUCKER CROSS RD	BUZZELL, RALPH A &
2020	720	212/030.0-0064-0032.0	6.73	32	TUCKER RD	BUZZELL, RALPH A & MABEL P
2020	720	212/030.0-0065-0069.0	136.89	69	SMITH HANSON RD	HANSON, DAVID G. & JOHN E. TRUSTEES OF
2020	720	212/033.0-0100-0110.0	2.22	110	WARD ST	BROOKFIELD ORCHARDS
2020	720	212/033.0-0100-0116.0	10.08	116	WARD ST	BROOKFIELD ORCHARDS
2020	720	212/036.0-0051-0033.0	1.45	33	OLD W BROOKFIELD RD	EDWARDS, JANET
2020	720	212/038.0-0008-0051.0	7.50	51	OLD E BROOKFIELD RD	DOBECK, GERALD J. & JUDITH
2020	071	212/008.0-0085-0030.0	71.50	30	STODDARD RD	QUALLES, PARIS H.
2020	071	212/013.0-0073-0038.0	37.00	38	BOYNTON RD	UNDERWOOD, LAWRENCE F & JEAN C
2020	017	212/004.0-0086-0014.0	35.64	14	BARNES RD	MENDALA, JAMES E.
2020	017	212/007.0-0075-0019.0	25.20	19	MILL RD	ROMANO, CAROLYN A.
2020	017	212/008.0-0085-0018.0	71.30	18	STODDARD RD	CUTRUMBES, CAROLE J
2020	017	212/009.0-0084-0042.0	18.30	42	RUFUS PUTNAM RD	KING, JANICE L., TRUSTEE
2020	017	212/009.0-0084-0043.0	41.18	43	RUFUS PUTNAM RD	STELMOKAS, FRANCES T.
2020	017	212/009.0-0084-0045.0	59.11	45	RUFUS PUTNAM RD	COHEN, CAROLYN A.
2020	017	212/011.0-0091-0028.0	18.60	28	BROOKS POND RD	HOPKINS, DIANE
2020	017	212/013.0-0073-0041.0	46.00	41	BOYNTON RD	UNDERWOOD, LAWRENCE F & JEAN C
2020	017	212/015.0-0084-0036.0	21.70	36	RUFUS PUTNAM RD	GREGOIRE, ROBERT E JR & KATHY J
2020	017	212/018.0-0073-0027.0	25.70	27	BOYNTON RD	MCGRAIL, ALVIN F JR & JEANNETTE M
2020	017	212/019.0-0065-0021.0	9.84	21	SMITH HANSON RD	KELLY, JEAN M
2020	017	212/019.0-0065-0027.0	11.30	27	SMITH HANSON RD	BARD, NOE M JR & MARY E
2020	017	212/020.0-0040-0012.0	64.00	12	WAITE CORNER RD	BENNETT, JEFFREY F. & HARRY R.
2020	017	212/020.0-0074-0010.0	100.00	10	DOWNEY RD	CHASE, WILBUR L
2020	017	212/022.0-0094-0014.0	107.50	14	ADAMS RD	HUBACZ, PAUL J. & DEBORAH A
2020	017	212/023.0-0092-0010.0	45.00	10	HOWE DR	GURSKI, DAVID
2020	017	212/024.0-0006-0002.0	25.00	2	HILLSVLE SPENCER RD	WAYTINA, ALICE A & MARY
2020	017	212/024.0-0006-0024.0	15.00	24	HILLSVLE SPENCER RD	KITTREDGE, DANIEL &
2020	017	212/025.0-0006-0035.0	25.00	35	HILLSVLE SPENCER RD	SMITH, VERNON C JR & MARY L
2020	017	212/025.0-0006-0036.0	47.00	36	HILLSVLE SPENCER RD	SMITH, VERNON C & KATHLEEN M
2020	017	212/026.0-0006-0044.0	33.60	44	HILLSVLE SPENCER RD	NYKIEL, RICHARD & SUSAN
2020	017	212/027.0-0066-0015.0	15.04	15	WIGWAM RD	RASKETT, JEFFREY P. & DENISE
2020	017	212/028.0-0911-0017.0	94.71	17	BIGELOW RD	MONAHAN, SEAN M. TRUSTEE OF
2020	017	212/029.0-0108-0020.0	153.00	20	LANE AVE	GUSTAFSON, CARL J.
2020	017	212/030.0-0051-0022.0	3.52	22	OLD W BROOKFIELD RD	EDWARDS, JANET
2020	017	212/030.0-0064-0025.0	11.29	25	TUCKER RD	BUZZELL, RALPH A & MABEL P
2020	017	212/030.0-0065-0066.0	23.32	66	SMITH HANSON RD	HANSON, DAVID G & MARGARET MARY
2020	017	212/031.0-0062-0008.0	18.50	8	MC CARTHY RD	EARLY, PAUL J. & NOREEN M
2020	017	212/031.0-0064-0040.0	37.49	40	TUCKER RD	ZEGARRA, JOSEPH E. & PATRICIA A.
2020	017	212/033.0-0096-0012.0	20.25	12	LINCOLN RD	BROOKFIELD ORCHARDS
2020	017	212/033.0-0096-0013.0	50.60	13	LINCOLN RD	BROOKFIELD ORCHARDS
2020	017	212/033.0-0100-0105.0	4.00	105	WARD ST	BROOKFIELD ORCHARDS
2020	017	212/033.0-0100-0126.0	46.99	126	WARD ST	BROOKFIELD ORCHARDS
2020	017	212/033.0-0104-0012.0	148.00	12	GREEN RD	KIMINSKI, JOHN M.
2020	017	212/034.0-0101-0009.0	15.04	9	ASHLEY RD	KEHRER, HAROLD H. & CLARE J. TRUSTEES
2020	017	212/035.0-0101-0012.0	14.39	12	ASHLEY RD	CONDEE, RALPH W & PAULINE B
2020	017	212/036.0-0052-0034.0	9.09	34	CIDER MILL RD	LATWIS, FRANCIS M
2020	017	212/038.0-0097-0002.0	49.74	2	ORCHARD RD	LOCATELLI, ROBERT & LORETTA
2020	017	212/039.0-0008-0048.0	31.72	48	OLD E BROOKFIELD RD	PORAT, BETTI. & HALING, KIMBERLY
2020	017	212/041.0-0001-0062.0	70.00	62	WEST BROOKFIELD RD	LEDoux, KEVIN J & DONNA A
2020	017	212/041.0-0001-0067.0	28.35	67	WEST BROOKFIELD RD	SWEET, HANNAH R. & HIMMER, JOSHUA S
2020	017	212/041.0-0001-0086.0	13.25	86	WEST BROOKFIELD RD	CHAFFEE, FRANK N
2020	017	212/044.0-0008-0098.0	9.28	98	OLD E BROOKFIELD RD	JOHNSON, SCOTT K. &
2020	017	212/044.0-0105-0010.0	9.80	10	SHORE RD	WHITCOMB, NATALIE H. & THOMAS HAYES TRST
2020	017	212/105.0-0048-0024.0	19.54	24	AYERS ST	PIERMARINI, JAMES I. & RACHEL M.
2020	017	212/108.0-0050-0024.0	15.40	24	BATES ST	FERREIRA, ANTONIE E & BARBARA L
<b>Count 115</b>			<b>3,564.56</b>			

## 800 Class Recreational Lands

Parcel Year	State Use Cd	Parcel Id	Tot Lnd Area	Par Add No 1	Par Add St 1	Owner Name 1
2020	803	212/003.0-0084-0093.0	13.90	93	RUFUS PUTNAM RD	SMITH, FREDERICK T. III & DIANA L.
2020	803	212/003.0-0084-0095.0	0.52	95	RUFUS PUTNAM RD	SMITH, FREDERICK T. III
2020	803	212/038.0-0098-0002.0	5.60	2	CON WARREN RD	HARGREAVES, PAUL W.
2020	803	212/038.0-0098-0009.0	16.06	9	CON WARREN RD	BECKER, CYNTHIA
2020	018	212/004.0-0086-0020.0	29.16	20	BARNES RD	BROWN, DAVID W. & EVA S. TRUSTEE
2020	018	212/042.0-0056-0016.0	9.24	16	DONOVAN RD	OHANA FARM, LLC
2020	803	212/044.0-0105-0010.A	109.87	10	SHORE RD	WHITCOMB, NATALIE H. & THOMAS HAYES TRST
<b>Count All:</b>	<b>7</b>		<b>184.35</b>			

## North Brookfield Open Space Inventory Map

## **B. Recreational Facilities in North Brookfield**

### **School Grounds Oakham Road**

Tennis courts open to the public during non-school hours.

Children's play area with slides, swings and climbing apparatus.

Soccer and Baseball Fields used by the school and community organizations.

Indoor Gymnasiums that may also be used by community groups during non-school hours.

### **Congregational Church School Street**

Childs play area open to public use.

### **Woolcott Woods Town Forest, Brickyard Road**

This town-owned land was permanently protected under Article 97 of the Massachusetts Constitution as town forest in 2020. This 30-acre parcel of woods and wetlands is adjacent to the rail trail, and includes a portion of the historic Woolcott Mill Pond. A hiking trail and signage are currently being developed.

### **North Brookfield Town Forest Park West Brookfield Road**

This 44-acre Park is located approximately 1.5 miles from the center of North Brookfield on Rte. 67, West Brookfield Road, on the east and west sides of the road near the junction of Rte. 148.

Wildlife is abundant, the park has many flowers that bloom in the spring and fall.

The park opens ½ hour after sunrise and closes ½ hour before sunset and is open to the public.

Parking and access to the pond are wheelchair accessible.

The goal of the committee it to make the park educational, with many plants and trees, and to make the history of the Quaboag Plantation available for the public.

The Committee is working on new trails. The trails will be marked with the level of difficulty from 1 through 6, with 6 as the most difficult.

## **West Side**

Marked Hiking Trails:

Blue Diamond Trail - opens to the Wendemuth Meadows Trail on Bates Street – Level 2

Ledge Walk Trail – Loop Trail off of the Blue Diamond Trail – Level 3

## **East Side**

### **Wheel Chair Accessible to the Pond**

#### **Trout Fishing Pond:**

This pond is catch and release for anything other than trout, but if you catch a trout you may keep it.

Barbecue Facilities

Picnic Tables and Benches

9-hole disc golf course.

## **Wendemuth Meadow Bates Street**

Wendemuth Meadow Preserve is a 30-acre property in the town of North Brookfield, acquired by the East Quabbin Land Trust in 2014. It is a pastoral property featuring a diversity of habitats including hayfield, wet meadow, and stream surrounded by patchy woods and shrubland. Site of the historic Quaboag Springs Water source developed by prominent North Brookfield citizen Theodore Bates. The property is actively farmed and hay is harvested after Bobolinks and other important birds have completed their nesting cycle within the grasslands in early summer.

Visitors are welcome to visit and walk the trails which skirt along the edge of the hayfields and provide panoramic views of the meadows and beyond. The trail loop connects with the Town Forest on the south side of

McCarthy Road in North Brookfield. Opportunities abound to observe songbirds, butterflies, dragonflies, and wildflowers of dry and wet meadows. Eastern Bluebirds, Common Bobolinks, American Kestrels and Savannah Sparrows are just a few of the interesting birds found here. The wetlands found on the property are of statewide significance and support unusual plant species including the wetland herb, Canada Burnett. The wetlands are part of the headwaters of Coy Brook. A large grey barn sits atop a grassy knoll along Bates Street and attests to the property's long history of farming. Beautiful stone walls, stone-lined ditches, cisterns, and other features are readily observed along the trails and portray the hard work and meticulous care of the Wendemuth Family in tending the land.

### **North Brookfield Town Common Grove Street**

Public children's playground, basketball courts, and baseball and soccer fields.

### **Brookfield Orchards Lincoln Road**

Children's Playground.

### **Rail Trail**

Runs 4.2 miles from the old RR Station on School Street to the Quabaug River in East Brookfield. Hiking, Mountain Biking, Horse Back Riding and Cross Country Skiing.

### **Lake Lashaway Pine Road**

Town Beach is open to North Brookfield and East Brookfield Residents. Youth Swimming Lessons.

Boat Launch on Harrington Street.

Fishing from various points.

### **Brooks Pond on Brooks Pond Road**

Private Beach open to town residents only, courtesy of the Books Pond Owners Association.

Swimming and non-motorized water craft only.

### **Doan's Pond Oakham Road.**

Fishing.

### **Audubon Property North Brookfield. Access from Brookfield Road**

**Elm Hill Wildlife Sanctuary, *Brookfield & North Brookfield* 1,080 acres**

Elm Hill Wildlife Sanctuary straddles the town line separating Brookfield and North Brookfield and is owned by the Massachusetts Audubon Society. It is located north of Route 9 between the centers of Brookfield and East Brookfield.

**Conservation Features:** The majority of the forest at Elm Hill is transition hardwoods dominated by red oak and including maples and birches. The sanctuary's landscape consists of a series of hills—a drumlin cluster—that are topped by fields and former orchards; the views from the open hilltops are sweeping. Elm Hill is protected by an Agricultural Preservation Restriction (APR) held by the Massachusetts Department of Agricultural Resources. Most of the fields are leased to local farmers. Elm Hill supports populations of many wide-ranging animals, including black bear, fisher, and eastern coyote. The sanctuary's early-successional habitats also support songbird species of conservation concern.

**Five Mile River Access on Hines Bridge Road**

Fishing, Hiking, Kayaking.

## Town-Owned Land for Recreation and Conservation

### Public School Land

10 New School Drive (62 acres)

**Current Use:** Public School, K-12

**Recreation/Conservation Potential:** High. Sports fields and courts, playground. Wooded area.

**Degree of Protection:** Medium. In the past a ground-mounted solar installation was considered.

13 Bradshaw Street (.8 acre)

**Current Use:** vacant school land

**Recreation/Conservation Potential:** High. Potential to be a pocket park or Miyawaki Forest. **Degree of Protection:** Medium. Could be developed for other purposes

### Town Common

50 Grove Street (4.5 acres)

**Current Use:** recreation

**Recreation/Conservation Potential:** High. Sports fields and courts, playground. Some areas in need of restoration.

**Degree of Protection:** Medium

### Town Forest Parcels

16 Kittredge Rd. (17 acres)

**Current Use:** vacant

**Recreation/Conservation Potential:** Low. It is a land-locked parcel with difficult access.

**Degree of Protection:** Article 97

19 and 20 West Brookfield Road (43 acres)

**Current Use:** passive recreation

**Recreation/Conservation Potential:** High. Trails, disc golf and fishing for recreation use.

**Degree of Protection:** Article 97

13 Smith Hanson Road (14 acres)

**Current Use:** vacant

**Recreation/Conservation Potential:** trails and parking must be developed for recreation use. **Degree of Protection:** Article 97

98 Shore Road (18 acres)

**Current Use:** vacant

**Recreation/Conservation Potential:** Low. It is a land-locked parcel with difficult access.

**Degree of Protection:** Article 97

48 Brickyard Road, Woolcott Woods (30 acres)

**Current Use:** passive recreation

**Recreation/Conservation Potential:** High. Trails for hiking and biking, pond.

**Degree of Protection:** Article 97

5 Collins Road (4 acres)

**Current Use:** vacant

**Recreation/Conservation Potential:** Medium. Trails and parking must be developed for recreation use.

**Degree of Protection:** Article 97

## Conservation Commission Land

44 Fullam Hill Road (3 acres)

**Current Use:** Conservation Commission

**Recreation/ Conservation Potential:** Low. There is a right of way for New England Power across this small parcel.

**Degree of Protection:** Conservation Commission

56 Donovan Road, Donovan Road Conservation Area (28 acres)

**Current Use:** Conservation Commission

**Recreation/ Conservation Potential:** Medium. Trails and parking must be developed for recreation use.

**Degree of Protection:** Conservation Commission

## Water Department Land

40, 74, 75 Oakham Road (134 acres total)

**Current Use:** Water Department

**Recreation/ Conservation Potential:** Medium. Fishing and hiking allowed.

**Degree of Protection:** Low, due to potential runoff and pollution from farms and residences.

44, 48, 52, 70, 74, 88, 91 Rufus Putnam Road (14 acres total)

**Current Use:** Water Department Infrastructure

**Recreation/ Conservation Potential:** Low

**Degree of Protection:** High

## Tax Title Land

60 Waite Corner Road (8.77 acres)

**Current Use:** vacant, tax title

**Recreation/ Conservation Potential:** Low

**Degree of Protection:** None

**Cemeteries** (Walnut Grove Cemetery is the only cemetery in North Brookfield in current use.)

20 Maple Street

**Current Use:** Maple Street Cemetery (2.5 acres)

**Recreation/ Conservation Potential:** Replace recently removed large trees.

**Degree of Protection:** Protected because it is more than 100 years old.

101 Elm Street

**Current Use:** Historic French Cemetery (2 acres)

**Recreation/ Conservation Potential:** Low

**Degree of Protection:** Protected because it is more than 100 years old.

100 Elm Street and 95A Ward Street

**Current Use:** Walnut Grove Cemetery (13 acres)

**Recreation/ Conservation Potential:** Low

**Degree of Protection:** Protected because it is more than 100 years old.

20 Smith Hanson Road

**Current Use:** Cutter Cemetery (.5 acre)

**Recreation/ Conservation Potential:** Low

**Degree of Protection:** Protected because it is more than 100 years old.

28 Mount Pleasant Street

**Current Use:** Saint Joseph's Cemetery

**Recreation/ Conservation Potential:** Low

**Degree of Protection:** Protected because it is more than 100 years old.

## Other

105 Brookfield Road (47 acres)

**Current Use:** vacant, undevelopable

**Recreation/ Conservation Potential:** Medium

**Degree of Protection:** None

North Brookfield Rail Trail

**Current Use:** Recreation

**Recreation/ Conservation Potential:** High

**Degree of Protection:** No formal protection

## North Brookfield Land Use Map

Name	Address	Funds Used	Current Use	Recreation Potential	Zoning	Acres	Protection
<b>Public School, K-12</b>	10 New School Drive	Town	Two soccer fields, Basketball, tennis courts, playground	Fully Developed	School	62	Perpetuity
<b>Vacant School Lot</b>	18 Bradshaw St	Town	Undeveloped	Pocket Park or Miyawaki Forest	School	.8	Unprotected
<b>Rail Trail</b>	School St to East Brookfield	Town	Hiking, Mountain Biking, Horse Back Riding, Cross Country Skiing	Maintenance	R66	4 miles long	Perpetuity
<b>Town Common</b>	50 Grove St	Town	Soccer and Baseball fields, Basketball Court and Playground	Restoration and Maintenance	R11	4.5	Perpetuity
<b>Town Forest</b>	20 West Brookfield Rd	Town	Hiking, Disc Golf, Picnic, Fishing	Additional Trails, <i>planned fishing upgrade in 2024</i>	R11	43	Article 97
<b>Town Forest</b>	16 Kittredge Rd	Town	Conservation	Landlocked, No public access	R66	17	Article 97
<b>Town Forest</b>	13 Smith Hanson Rd	Town	Conservation	Landlocked, No public access	R66	14	Article 97
<b>Town Forest</b>	98 Shore Rd	Town	Conservation	Landlocked, No public access	R66	18	Article 97
<b>Wolcott Woods</b>	48 Brickyard Rd	Town	Hiking, Picnic, Biking	Historic Signage could be added	R66	30	Article 97
<b>Town Forest</b>	5 Collins Rd	Town	Conservation	Trails and Parking could be added	R66	4	Article 97

Name	Address	Funds Used	Current Use	Recreation Potential	Zoning	Acres	Protection
Conservation Commission	44 Fullam Hill Rd	Town	Conservation	Trails and Parking could be added	R66	3	Article 97
Donovan Rd Cons Area	56 Donovan Rd	Town	Conservation	Trails and Parking could be added	R66	28	Article 97

**Miyawaki Forests**

Creating a Miyawaki forest is a community tree-planting project that follows the method developed by plant ecologist Dr. Akira Miyawaki to relatively quickly restore damaged land. It mimics the way nature restores itself through natural succession, but with human help to give it a jump start. The site is studied from the soil up, and a wide diversity of native trees and shrubs that constitute a climax forest are planted close together in a small area. Participation by the community is important, as people of all ages come together to learn about their local environment, its soils with its microbiome, its diverse native species and their habitat needs. The trees must be looked after for about two years, after which the forest maintains itself. The community can experience natural succession and watch as a diversity of insects, birds and other wildlife returns to the area. Refer to the book *Mini-Forest Revolution* by Hannah Lewis for more about the history of Miyawaki forests worldwide, with guidelines about how to create one in our community.



Aerial view of the Danehy Park Miyawaki Forest in Cambridge, MA

## SECTION 6: COMMUNITY VISION

The process the Master Plan Committee used to understand North Brookfield residents' community vision was threefold: the Master Plan Survey of October 2020, the Open Space Public Forum in March 2021, along with the ideas presented during the May 2020 Municipal Vulnerability Preparedness Plan discussions. Each method of input received a high number of responses and participants.

It is very important to a large majority of residents that the rural character of our town be preserved. We are seeing changes in that character due to large-scale solar development and increased housing development as a response to the Covid 19 pandemic. Farming is culturally important to our community as well, and these development pressures are often targeted toward farmland.

In the face of these pressures, the ability to maintain the rural character of North Brookfield will require using the available preservation measures quickly and to the best of our ability. Since this relies mostly upon volunteer efforts, with the assistance of non-profit organizations and grants, the community should identify the most important lands to preserve, and promote the economic viability of farms and forestry practices.

The need to educate the public about the importance of open space and how natural infrastructure preserves ecosystem services was also expressed as very important at the public forum. This will comprise the knowledge base upon which preservation work relies.

While our town generally admires a conservative approach to change, utilizing new methods and practices will be required to maintain its rural character in the face of increasing development pressures.

## SECTION 7: ANALYSIS OF NEEDS

### Section 7

#### **A. Summary of Resource Protection Needs**

Development has been slow in North Brookfield in comparison with neighboring towns and cities, but there is a recent increase in new housing as rural living becomes more appealing to many people. Therefore, North Brookfield needs to channel development to the least ecologically valuable land. Wetlands, forests, stream corridors, prime agricultural soils and wildlife corridors should be permanently protected in order to preserve “green infrastructure” and quality of life.

Additionally, the rural character of town is greatly enjoyed by the vast majority of its residents. Views along the roads of farms, fields and forests provides a sense of peace and beauty to our town. The picturesque aspect of the central village, with its fine architecture of churches, town house, library, and homes is also greatly admired. Therefore, it is important to retain that character in the face of cookie-cutter, clone-like development pressures. These things have been mentioned by residents in the master plan survey and open space and recreation forum.

#### **B. Summary of Community's Needs**

Open space and recreational opportunities have increased in North Brookfield since the 2007 Open Space and Recreation Plan.

1. Town Forest Park on West Brookfield Road has been substantially upgraded with new trails and signage, a picnic area, wheelchair access and a fishing pond.
2. Town volunteers have created a 4.2 mile trail on the railway bed between downtown and the town of East Brookfield.
3. East Quabbin Land Trust purchased Wendemuth Meadow Preserve. This 30 acre grassland preserve is well used by residents for hiking, dog walking, and bird watching. The land trust holds events for the community in the preserve on a regular basis.

These are the assets that make a town a healthy and happy place to live, as the open space and recreation forum and master plan survey results have shown. The goals and objectives of the 2022 Open Space and Recreation Plan are to increase such opportunities in North Brookfield.

Sports are much loved in our town. Fields for soccer, baseball and other sports are available at the Elementary and Jr/Sr. High Schools and on the

town common. They are currently large and plentiful enough to satisfy the demand, especially since regionalization of the high school is being considered. How to use and maintain the facilities will be a decision for the future.

The State Comprehensive Outdoor Recreation Plan (SCORP) documents the needs for outdoor recreation throughout the state. There are several things in the state plan that North Brookfield residents should keep in mind as they develop plans to improve our recreation facilities. People surveyed statewide stated that lack of time is one of the biggest reasons people don't get as much outdoor activity as they would like to. Therefore, there should be areas for outdoor enjoyment and exercise close to where people live. As an area that still enjoys an abundance of open space, North Brookfield offers many such areas.

People of all ages, and especially the elderly, cited places to walk or hike as high priorities for recreation in the master plan survey. Wendemuth Meadow, the preserve owned by East Quabbin Land Trust, is well used for dog walking, relaxing, and gardening. The newly completed Rail Trail provides another easily accessed walking area. The SCORP reveals that trails lead to improvements in public health and can increase the value of homes and businesses by making an area a more desirable place to live or work. The Downtown Development Committee is working to improve sidewalks and pedestrian safety in the downtown area.

In addition to recreation, the SCORP results show that protecting wildlife, improving the quality of life, and protecting the drinking water supply are also considered important benefits of open space by the public. The North Brookfield Master Plan Survey and the Open Space and Recreation forum attendees echoed that these ecosystem services are desirable in North Brookfield. As in 2007, the residents of North Brookfield list "preserving our rural character" as the highest priority.

### **C. Management Needs, Potential Change of Use.**

It is always a challenge for town boards and departments to work together since many positions are filled by volunteers. However, communication between boards can allow each to do a better job through coordination of efforts. Protecting open space requires a multi-pronged approach between government entities and private organizations and individuals. One of the most promising partnerships can be with local land trusts. These professionals can guide towns in the complexities of land acquisition and other means of protection. This approach enabled the North Brookfield

Conservation Commission to use a state LAND grant to purchase a conservation restriction on Wendemuth Meadow Preserve. A PARK grant is also available to towns with Open Space and Recreation Plans. These grants require coordination between various town boards and departments.

The Conservation Commission receives Right of First Refusal notices when there is a change in use of lands enrolled in the Chapter 61 Program. To purchase land using this method, the help of a land trust will be necessary to deal with the complex procedural requirements.

## SECTION 8: GOALS AND OBJECTIVES

**Goal One.** Establish a resilient, connected network of protected lands where natural systems can provide the ecological services that will maintain the health and well-being of North Brookfield residents into the future.

### **Introduction to Goal 1.**

Technological innovation has provided a high quality of life to human beings over the decades. It is now clear, however, that technology alone cannot ensure quality of life into the future. All of life is reliant upon the proper functioning of natural systems to provide us with healthy food, clean water and air, and the diversity of life forms that give us health and a sense of well-being. These “ecosystem services” are provided by the “natural infrastructure” that sustains life.

Life depends upon other life for survival. The functions of nature depend upon many organisms, each playing their role to keep the cycles of life working. For example, the growth of plants relies not only on energy from the sun and sufficient water, but also on the fungi and many other organisms living in the soil that bring water and nutrients to the plants.

Without these soil organisms, 85-90% of plant species cannot survive. Biodiversity plays a large role in our health and well-being.

In addition to providing food, plants and their partners in the soil take carbon dioxide from the air—the stuff that causes climate change—and converts it into humus that can be stored in the ground for centuries. This is the main way that you and I can address climate change—by ensuring healthy plant growth in our community.

Wetlands are especially fertile areas for the biodiversity that provides ecosystem services. According to the Massachusetts Statewide Comprehensive Outdoor Recreation Plan, Wetlands work to reduce pollution and flooding while supporting ecosystems and providing cleaner water. Mass Audubon has estimated that fresh and salt water wetlands in Massachusetts provide \$2.3 billion in annual ecosystem service value.

Biologist E. O. Wilson has determined that in order to preserve the biodiversity we depend upon, we will need to set aside 50% of the land and water of Earth to give nature the space it needs to function.

### **Goal One, Objective One**

Preserve 30% of North Brookfield's land area by 2030 so that there is enough of all land types to provide the necessary ecosystem services to North Brookfield's residents in perpetuity. (30% by 2030 is an interim goal toward 50% land preservation by 2050, the amount of land needed to provide ecosystem services worldwide.) In 2022, the percentage of permanently protected land in North Brookfield is 16.5%, which means that by 2030 we will need to permanently protect 13.5% more land, or approximately 1,954.9 acres.

### **Goal One, Objective Two**

Identify and preserve the land that will best provide the ecosystem services required by the residents of North Brookfield. These will be the most ecologically significant parcels of land: those that contain prime agricultural and forest soils; healthy, biodiverse forests, streams and wetlands; and wildlife habit and corridors.

### **Goal One, Objective Three**

Implement strategies to preserve biodiversity. Ecosystem services are carried out by plants, animals and microorganisms within natural areas. Therefore, it is not only important to preserve land, but also to ensure the ecosystem will support diverse forms of life.

## **Goal Two. Maintain North Brookfield's rural character**

### **Introduction to Goal 2.**

This goal is retained from the 2007 Open Space and Recreation Plan. The 2020 Master Plan Survey showed the same result as in 2007—that the vast majority of North Brookfield residents live here because they enjoy the rural character of our town. Especially important are the rural landscapes: from the roadside scenery, to the open vistas of farm fields, to the streams and forests that provide the opportunity to enjoy a wide variety of wildlife.

**Goal Two, Objective One.** Increase the number of profitable farms—full or part-time, and promote regenerative agriculture.

**Goal Two, Objective Two.** Beautify North Brookfield's downtown area.

**Goal Two, Objective Three.** Enact a Wetlands Bylaw to ensure no loss of wetland productivity. Wetlands store more carbon in their soil than any other land type. More of the carbon dioxide that causes climate change has come from oxidation of soil carbon than from the burning of fossil fuels.

## **Goal Three. Preserve and Enhance North Brookfield's Water Resources.**

### **Introduction to Goal 3.**

It is obvious that water is a vital resource for a community. Our reservoir and private wells supply the water needs of North Brookfield residents. Water is necessary for plants to carry out photosynthesis, while our streams, ponds and lakes provide recreational opportunities and habitat for wildlife.

Natural systems provide the means for water to be available for all these purposes. If rainwater can percolate into the ground, it stays in our community. When raindrops fall on healthy, living soil they soak in rapidly, recharging the ground water reserves. Trees and plants can then transpire the water, which adds to the humidity in the air, and leads to more rainfall that stays in our local area. Transpiration through trees and other plants is also a powerful cooling mechanism during the heat of the day. These functions are known as the Small Water Cycle. Water retained in our soils is then able to move in a cycle of rain, storage, use, and transpiration. Forty percent of an area's rainfall is created in this way. All this water is then available for plants, animals and humans to use, reduces the effects of drought, and makes wildfires less likely.

Wetland areas accomplish the same thing, holding water in one area so that it can percolate into the soil. This water storage function of wetlands reduces flooding, which will become more and more important as the severity of storms continues to increase. According to the Massachusetts Statewide Comprehensive Outdoor Recreation Plan, Wetlands work to reduce pollution and flooding while supporting ecosystems and providing cleaner water. Mass Audubon has estimated that fresh and salt water wetlands in Massachusetts provide \$2.3 billion in annual ecosystem service value. When raindrops fall on soil bare of plants and low in organic matter, fungi and other life, their force compacts the soil and makes it unable to absorb the rain. The result is runoff and erosion, and a loss of both the water and the topsoil essential to grow our food and nourish our gardens and forests. For this reason, tilling the soil should be avoided as much as possible.

Beavers are a keystone species that work around the clock to build and maintain wetlands. Far from being a nuisance, they are vital to protecting a healthy local water cycle by holding water in one place so it can percolate into the soil. This function of wetlands reduces flooding and provides a store of groundwater for use during a drought. If beaver threaten health or property, the North Brookfield Board of Health has the resources to solve the problem.

Surfaces that are impervious to water, like parking lots and roads, create runoff. The water has nowhere to go except down gradient, and it carries oil and other pollutants with it. Catchment basins filled with plants can address both these problems as the water is held there while it percolates into the soil, and is used and often purified

by the plants.

Healthy soil covered with trees, grasses and other plants is the way to supply our community's water needs—at low cost—keeping it in our town instead of losing it downstream.

One of the most important things to addressing climate change is ensuring that every drop of water that falls onto the land percolates into the soil. Looking at the sources of the streams in our town on the maps, you see that the source of most is wetlands. When streams are fed by wetlands and a rising water table (from the rain percolating into the ground) the streams are fed with clear water. When there is runoff from the land, it carries soil particles with it, creating muddy water and causing a loss of carbon in the soil. Some seepage from the water table does run across the land, especially from the base of hills. But since this water flow is very slow, it does not carry soil with it, or contribute to flooding.

The Massachusetts Statewide Comprehensive Outdoor Recreation Plan states: Forests are the best source of treatment for public water supplies. The dense canopies and complex soils filter rainfall and non-point source pollution from developed areas. A study of 27 water suppliers by the Trust for Public Land found that for every 10 percent increase in forest cover around the source area, treatment and chemical costs decreased by approximately 20% — up to a 60% reduction for a reservoir with 60% forest cover on its contributing watershed.

Water is a vital resource for all of life.

Source: A New Water Paradigm, Michal Kravcik et al

Source: Scott Jasechko and colleagues, "Terrestrial Water Fluxes Dominated by Transpiration", Nature, 2013, <https://www.nature.com/articles/nature11983>

Source: Scenario 300, Jim Laurie, Restoration Biologist, Biodiversity for a Livable Climate

Source: Massachusetts Statewide Comprehensive Outdoor Recreation Plan

**Goal Three, Objective One.** Protect the Small Water Cycle. Ensure the small water cycle remains viable by preserving forests and encouraging farmers to use cover crops. Bare soil and tilling cause compaction and loss of soil biodiversity, which lead to erosion. When the small water cycle is healthy, North Brookfield will buffer flood and drought since the ground will be able to absorb more water during heavy rain, and then store the water for use during a drought.

**Goal Three, Objective Two.** Promote measures to ensure proper enforcement of the Wetlands Protection Act.

**Goal Three, Objective Three.** Improve soil quality to prevent flood and pollution. Healthy soil is full of life, which creates soil tilth, which in turn allows water to

infiltrate instead of running off. This will increase ground water reserves and improve soil health.

**Goal Four. Enhance the Community’s Knowledge About Open Space in North Brookfield.**

**Introduction to Goal 4.**

The residents of North Brookfield have enjoyed the rural nature of our town throughout its history, due mainly to the fact that development pressure has been light. However, as development pressure increases, the maintenance of that character into the future depends upon the permanent, legal protection of the scenic and ecologically important lands of North Brookfield.

**Goal Four, Objective One.** Work with local committees to continue to provide educational events in North Brookfield and surrounding towns.

**Goal Four, Objective Two.** Compile a collection of educational materials and have them available to everyone in town: teachers, landowners and any interested resident.

**Goal Five. Provide North Brookfield with well-maintained recreational facilities and opportunities.**

## **Introduction to Goal 5.**

Recreation is essential to health for all ages. North Brookfield has an abundance of opportunities for outdoor activity, from sports for students, to walking routes throughout the town, to hiking in preserved open spaces. The State Comprehensive Outdoor Recreation Plan states that lack of time was cited by the vast majority of respondents to their survey as the reason why they are not participating more frequently in outdoor recreation. To get more people outside, facilities and amenities should be developed close to where people reside. This can be accomplished through the development of new, and the improvement of existing, neighborhood parks.

**Goal Five, Objective One.** Maintain and improve existing facilities.

**Goal Five, Objective Two.** Ensure children have nature-based, imaginative and manipulative play areas.

**Goal Five, Objective Three.** Expand opportunities for passive recreation, especially for older adults.

## SECTION 9: SEVEN YEAR ACTION PLAN

The North Brookfield Open Space Plan shall be implemented by the Master Plan Committee. The committee shall be composed of representatives of the following boards: the Planning Board, the Conservation Commission, the Board of Health, the Finance Committee, the Board of Selectmen, and three volunteers from the community. It is the responsibility of the Committee to implement the goals in the current active master plan, including the Open Space and Recreation Plan, and to oversee changes in our town bylaws and procedures to enact or follow the goals outlined therein.

**Goal One.** Establish a resilient, connected network of protected lands where natural systems can provide the ecological services that will maintain the health and well-being of North Brookfield residents into the future.

### **Goal One, Objective One**

Preserve 30% of North Brookfield's land area by 2030 so that there is enough of all land types to provide the necessary ecosystem services to North Brookfield's residents in perpetuity. (30% by 2030 is an interim goal toward 50% land preservation by 2050, the amount of land needed to provide ecosystem services worldwide.) In 2022, the percentage of permanently protected land in North Brookfield is 16.5%, which means that by 2030 we will need to permanently protect 13.5% more land, or approximately 1,954.9 acres.

**Action: Priority 1.** Preserve the watershed of Horse Pond Reservoir. Work with the Water Department and East Quabbin Land Trust to assist landowners in the watershed to place a Conservation Restriction or Agricultural Preservation Restriction on their land. Consider purchase by the town of any land that comes up for sale within the watershed.

#### **Priority 1    Year 1**

**Responsible Party:** Master Plan Committee, Conservation Commission, Water Department, Town Volunteers

**Funding:** Conservation Land Tax Credit, APR Program, LAND grant

**Action: Priority 2.** Work with East Quabbin Land Trust and Opacum Land Trust to place Conservation Restrictions or Agricultural Preservation Restrictions (APR) on privately-owned land in North Brookfield. Reach out to landowners enrolled in the Chapter 61 Programs.

**Priority 2 Year 1**

**Responsible Party:** Master Plan Committee, Conservation Commission, Town Volunteers

**Funding:** Conservation Land Tax Credit, APR Program, LAND grant

**Action: Priority 3.** Review town-owned land to see whether it is ecologically important enough to warrant permanent protection. Pass a bylaw that any town-owned open space or any vacant land larger than one and a half acres the town owns currently or becomes the owner of through tax taking or any other means be brought to the townspeople at town meeting to determine whether it shall become permanently protected as open space.

**Priority 3 Year 2**

**Responsible Party:** Planning Board, Select Board, Master Plan Committee

**Funding:** Town Funds

**Goal One, Objective Two**

Identify and preserve the land that will best provide the ecosystem services required by the residents of North Brookfield. These will be the most ecologically significant parcels of land: those that contain prime agricultural and forest soils; healthy, biodiverse forests, streams and wetlands; and wildlife habit and corridors.

**Action: Priority 1.** Protect and preserve land along the Five Mile River, including scenic areas, Priority and Estimated Habitat areas, and areas with sand and gravel deposits.

**Priority 1 Year 1**

**Responsible Party:** Master Plan Committee, Conservation Commission

**Funding:** Conservation Land Tax Credit, APR Program, LAND grant

**Action: Priority 2.** Preserve the land and wetlands along Coys Brook. It is priority habitat for wood turtle and close to Wendemuth Meadow Preserve. There is a large wetland area on Old West Brookfield Road that is threatened with development.

**Priority 3 Year 3**

**Responsible Party:** Master Plan Committee, Conservation Commission

**Funding:** LAND Grant, Conservation Land Tax Credit, APR Program

**Action: Priority 3.** Work to preserve privately-owned forests and trees on town-owned land. Tree cover cools the land and protects and enhances water resources.

**Priority 4** Year Ongoing.

**Responsible Party:** Master Plan Committee, Conservation Commission, Tree Warden

**Funding:** LAND Grant, Conservation Land Tax Credit, Town Funds

## **Goal One, Objective Three**

Implement strategies to preserve biodiversity. Ecosystem services are carried out by plants, animals and microorganisms within natural areas. Therefore, it is not only important to preserve land, but also to ensure the ecosystem will support diverse forms of life.

**Action 1.** Work with the Planning Board to implement an Open Space Residential Design bylaw.

**Priority 1** Year 1

**Responsible Party** Planning Board, Master Plan Committee

**Funding** Town Funds

**Action 1.** Work to establish corridors that link preserved land in order to enable wildlife movement. One way to accomplish this is to enforce the Rivers Protection Act section of the Massachusetts Wetlands Protection Act, which prevents or limits development of the 200-foot riverfront corridor. Another method is to preserve land adjacent to wetlands and streams.

**Priority 2** Year 2

**Responsible Party** Conservation Commission, Master Plan Committee

**Funding** LAND Grant, Conservation Land Tax Credit, Agricultural Preservation Restriction

**Action 2.** Educate the public about programs and grants that give financial assistance to landowners to preserve their land. These include the Massachusetts Conservation Land Tax Credit in addition to other federal, state, and private programs.

**Priority 3      Year 3**

**Responsible Party** Master Plan Committee, Conservation Commission

**Funding** Town Funds

**Action 3.** Work with local land trusts to assist in permanent land preservation. Two in our area are East Quabbin Land Trust and Opacum Land Trust.

**Priority 4      Year 4**

**Responsible Party** Master Plan Committee

**Funding** LAND Grant, Conservation Land Tax Credit, Agricultural Preservation Restriction

**Action 4.** Restore the town-owned land on Kittredge Road.

**Priority 5      Year 5**

**Responsible Party** Master Plan Committee, Select Board or Town Manager

**Funding** Climate Resiliency Grant

**Action 5.** Work to preserve habitat for state-listed species and keystone species. By providing habitat for keystone species, many other species will also benefit. Beaver are a keystone species that creates and maintains wetlands, the most important ecosystem type for biodiversity. Predator species are also keystone species, as they maintain a balance of species within the ecosystem.

**Priority 6      Year 6**

**Responsible Party** Master Plan Committee, Conservation Commission

**Funding** LAND Grant, Conservation Land Tax Credit, Agricultural Preservation Restriction

**Action 6.** Remove impediments to the movement of fish and other aquatic life by replacing culverts that are too small, thus blocking their movement up- or downstream.

**Priority 7    Year 7**

**Responsible Party** Master Plan Committee, Highway Department, Conservation Commission

**Funding** Town Funds

## **Goal Two. Maintain North Brookfield’s rural character**

**Goal Two, Objective One.** Increase the number of profitable farms—full or part-time, and promote regenerative agriculture.

**Action: Priority 1.** Promote and establish outlets for farmers to sell their products.

**Priority 1    Year 5**

**Responsible Party** Master Plan Committee, Agricultural Commission

**Funding** State Grants

**Action: Priority 2.** Promote regenerative agriculture. Host a speaker on soil health and the benefits of no-till farming, cover crops, crop rotation, and limited use of chemical fertilizer.

**Priority 2    Year 6**

**Responsible Party** Master Plan Committee

**Funding** Local funds, Partner with a land trust

**Action: Priority 3.** Investigate the possibility of providing locally grown food to the school lunch program.

**Priority 3    Year 7**

**Responsible Party** Master Plan Committee

**Funding** School Funds

**Goal Two, Objective Two.** Beautify North Brookfield’s downtown area.

Preserve shade trees along roads and on town-owned land. Replant trees that have been cut. Areas in need of immediate replanting are Maple Street Cemetery and along Madbrook Road.

**Priority 1      Year 1**

**Responsible Party** Master Plan Committee, Highway Department, Town Forester

**Funding** Town Funds

**Action: Priority 2.** Create pocket parks or Miyawaki Forests on town-owned land that are filled with native trees, shrubs and flowers to promote pollinator species and beneficial insects, which comprise the base of much of the food chain for birds and other wildlife.

**Priority 2      Year 3**

**Responsible Party** Downtown Development Committee

**Funding** PARC Grant, Other state grants

**Action: Priority 3.** Enact a local tree bylaw. Start by reviewing the Department of Conservation and Recreation’s *Guide to Local Tree Bylaws in Massachusetts*.

**Priority 3      Year 5**

**Responsible Party** Master Plan Committee

**Funding** State Grants

**Action: Priority 4.** Establish rain gardens near areas with impermeable surfaces in order to catch and filter rainwater before it enters the storm drains. Retain rainwater instead of funneling it into storm drains. Water should feed our plants and increase our ground water instead of being wasted by draining it into streams and rivers and on to the ocean.

**Priority 4      Year 7**

**Responsible Party** Master Plan Committee, Downtown Development Committee, Highway Department

**Funding** State grants

**Goal Two, Objective Three.** Enact a Wetlands Bylaw to ensure no loss of wetland productivity. Wetlands store more carbon in their soil than any other land type. More of the carbon dioxide that causes climate change has come from oxidation of soil carbon than from the burning of fossil fuels.

**Action 1.** Attend a workshop on Wetlands Bylaws to educate the committees as a first step.

**Priority 1      Year 4**

**Responsible Party** Planning Board, Master Plan Committee,  
Conservation Commission

**Funding** Town Funds

**Action 2.** Begin to educate the public through newspaper articles and meetings.

**Priority 2      Year 5**

**Responsible Party** Planning Board, Master Plan Committee,  
Conservation Commission

**Funding** Town Funds

**Action 3.** Craft a bylaw for North Brookfield using the model bylaw, review with town counsel.

**Priority 3      Year 6**

**Responsible Party** Planning Board, Master Plan Committee,  
Conservation Commission

**Funding** Town Funds

**Action 4.** Bring to town meeting for a vote.

**Priority 4      Year 7**

**Responsible Party** Planning Board, Master Plan Committee,  
Conservation Commission

**Funding** Town Funds

## **Goal Three. Preserve and Enhance North Brookfield's Water Resources.**

**Goal Three, Objective One.** Protect the Small Water Cycle. Ensure the small water cycle remains viable by preserving forests and encouraging farmers to use cover crops. Bare soil and tilling cause compaction and loss of soil biodiversity, which lead to erosion. When the small water cycle is healthy, North Brookfield will buffer flood and drought since the ground will be able to absorb more water during heavy rain, and then store the water for use during a drought.

**Action 1.** Continue to work with East Quabbin Land Trust to preserve the watershed of Horse Pond Reservoir as in Goal One, Objective One. Concentrate on land within North Brookfield's Water Supply Protection District in North Brookfield and New Braintree. The town should purchase any land that comes up for sale in the watershed.

**Priority 1 Year Ongoing**

**Responsible Party:** Master Plan Committee, Conservation Commission, Water Department

**Funding** Conservation Land Tax Credit, APR Program, LAND grant

**Action 2.** Work to implement the recommendations in the North Brookfield Source Water Protection Plan. Conduct outreach to residents to inform them of the relationship of their lands to the public and private drinking water supply and provide information about agricultural best management practices, concentrating on manure, pesticide, herbicide, and fertilizer use and storage.

**Priority 1 Year 1**

**Responsible Party** Master Plan Committee, Water Department

**Funding** Town Funds

**Action 3.** Work with local land trusts to preserve forested land in North Brookfield.

**Priority 1 Year 1**

**Responsible Party** Master Plan Committee, Water Department

**Funding** LAND Grant, Conservation Land Tax Credit, Agricultural Preservation Restriction

**Action 4.** Invite a forester to give a talk about the ecosystem services provided by forests. Invite other towns to participate.

**Priority 2 Year 3**

**Responsible Party** Master Plan Committee

**Funding** State grant, town funds

**Action 5.** Continue to work on Goal 1 Actions. They will provide benefits to the small water cycle too.

**Priority 3 Year Ongoing**

**Responsible Party:** Master Plan Committee, Conservation Commission

**Funding** Conservation Land Tax Credit, APR Program, LAND grant

**Goal Three, Objective Two.** Promote measures to ensure proper enforcement of the Wetlands Protection Act.

**Action 1.** Seek interested candidates for the Conservation Commission. Ensure that they are certified through MACC training.

**Priority 1 Year Ongoing**

**Responsible Party** Conservation Commission

**Funding** Wetlands Protection Act filing fees

**Action 2.** Work to enact a Wetlands Protection Bylaw.

See Goal 2, Objective 3 Actions.

**Priority 1 Year 4**

**Responsible Party** Planning Board, Master Plan Committee, Conservation Commission

**Funding** Town Funds

**Action 3.** Investigate the procedures required to give the Conservation Commission the authority to levy fines. Acquire this authority for the Conservation Commission once deemed feasible.

**Priority 2 Year 5**

**Responsible Party** Planning Board, Master Plan Committee,  
Conservation Commission

**Funding** Town Funds

**Goal Three, Objective Three.** Improve soil quality to prevent flood and pollution. Healthy soil is full of life, which creates soil tilth, which in turn allows water to infiltrate instead of running off. This will increase ground water reserves and improve soil health.

The methods are similar to Goal 3, Objective 1. Protecting the small water cycle provides benefits to soil as well, and helps prevent floods. Each action has many benefits: preservation of ecosystem services, protecting soil health and fertility, and protecting clean and plentiful water resources.

**Action 1.** Invite someone from the USDA Natural Resources Conservation Service to give a talk about soils. Invite other towns to participate.

**Priority 2 Year 3**

**Responsible Party** Master Plan Committee

**Funding** State grant, town funds

**Action 2.** Educate the public about the importance of no-till farming and the use of cover crops to prevent erosion, along with the risks of chemical fertilizer to water quality.

**Priority 3 Year 7**

**Responsible Party** Master Plan Committee, Agriculture  
Commission

**Funding** State grant, town funds

**Action 2.** Promote the Community Garden at Wendemuth Meadow Preserve.

**Priority 3 Year Ongoing**

**Responsible Party** Master Plan Committee

**Funding** No funding necessary

## **Goal Four. Enhance the Community's Knowledge About Open Space in North Brookfield.**

**Goal Four, Objective One.** Work with local committees to continue to provide educational events in North Brookfield and surrounding towns.

**Action 1.** Begin a campaign of education on the importance of land preservation and the methods to do so. Base it on the benefits to the town of the ecosystem services that biodiversity provides for the health of all residents, and the desire to preserve our rural character.

**Priority 1    Year 1**

**Responsible Party** Master Plan Committee

**Funding** Town Funds

**Action 2.** Educate the public about programs and grants that give financial assistance to landowners to preserve their land. These include the Massachusetts Conservation Land Tax Credit in addition to other federal, state, and private programs.

**Priority 3    Year 3**

**Responsible Party** Master Plan Committee, Conservation Commission

**Funding** Town Funds

**Action 2.** The Master Plan Committee should participate in the annual May Festival celebration presented by the Hoston Library to let townspeople know about the benefits of open space and recreation and how the town is protecting and providing them.

**Priority 1    Year Ongoing**

**Responsible Party** Master Plan Committee

**Funding** No funding necessary

**Action 3.** Coordinate with East Quabbin Land Trust to participate in and publicize their events in North Brookfield.

**Priority 2    Year Ongoing**

**Responsible Party** Master Plan Committee

**Funding** No funding necessary

**Action 4.** Work with the Local Cultural Council to fund educational events.

**Priority 4    Year Ongoing**

**Responsible Party** Master Plan Committee

**Funding** LCC grants

**Goal Four, Objective Two.** Compile a collection of educational materials and have them available to everyone in town: teachers, landowners and any interested resident.

**Action 1.** Work with Haston Library to provide educational materials about open space.

**Priority 1    Year 5**

**Responsible Party** Master Plan Committee, Haston Library

**Funding** town funds

**Action 2.** Work with the Local Cultural Council to bring educators about open space to North Brookfield for adults and children.

**Priority 2    Year 6**

**Responsible Party** Master Plan Committee, Local Cultural Council

**Funding** LCC grants

**Action 3.** Create a trail map of North Brookfield's open spaces and recreation areas.

**Priority 3    Year 7**

**Responsible Party** Master Plan Committee, Conservation Commission

**Funding** town funds

## **Goal Five. Provide North Brookfield with well-maintained recreational facilities and opportunities.**

**Goal Five, Objective One.** Maintain and improve existing facilities.

**Action 1.** Apply for a PARC grant to improve the facilities at the town common.

**Priority 1 Year 5**

**Responsible Party** Historical Society, Downtown Development Committee, Open Space Committee.

**Funding** PARC Grant

**Action 2.** Work with the public schools to educate voters about the importance of safe and stimulating recreational and sports facilities for school-age children.

**Priority 2 Year 6**

**Responsible Party** Master Plan Committee, Public Schools

**Funding** town funds

**Goal Five, Objective Two.** Ensure children have nature-based, imaginative and manipulative play areas.

**Action 1.** Work with the Playground Committee to add nature-based play areas to the town common.

**Priority 1 Year 5**

**Responsible Party** Master Plan Committee, Playground Committee

**Funding** PARC Grant

**Action 2.** Create a Pocket Park along the “Path” between the high school and the nearby residential area on Bradshaw Street.

**Priority 2 Year 6**

**Responsible Party** Master Plan Committee, Playground Committee

**Funding** PARC Grant

**Action 3.** The committee should educate themselves about new research about play by reading the book *Nature Play at Home: Creating Outdoor Spaces that Connect Children with the Natural World* by Nancy Striniste, and similar books.

**Priority 3 Year 7**

**Responsible Party** Master Plan Committee, Playground Committee

**Funding** PARC Grant

**Goal Five, Objective Three.** Expand opportunities for passive recreation, especially for older adults.

**Action 1.** Review the North Brookfield Master Plan Survey and the Massachusetts Statewide Comprehensive Outdoor Recreation Plan to understand the needs of older adults and teens.

**Priority 1 Year 1**

**Responsible Party** Master Plan Committee

**Funding** No funding required

**Action 2.** Ensure and maintain North Brookfield's downtown area so that it is safe for pedestrians.

**Priority 3 Year 1**

**Responsible Party** Downtown Development Committee

**Funding**

**Action 3.** Provide safe opportunities for walking for health. Both teens and seniors cite this as the most important health and relaxation activity.

**Priority 2 Year 4**

**Responsible Party** Master Plan Committee, Downtown Development Committee

**Funding** State grant

# North Brookfield Action Plan Map

## Appendix – State Approval for Open Space and Recreation Plan



*The Commonwealth of Massachusetts*  
*Executive Office of Energy and Environmental Affairs*  
*100 Cambridge Street, Suite 900*  
*Boston, MA 02114*

Maura T. Healey  
GOVERNOR

Kimberley Driscoll  
LIEUTENANT GOVERNOR

Rebecca L. Tepper  
SECRETARY

Tel: (617) 626-1000  
Fax: (617) 626-1081  
<http://www.mass.gov/eea>

January 12, 2023

Ann Hicks  
19 Cider Mill Road  
North Brookfield, MA 01535

Re: Open Space and Recreation Plan

Dear Ms. Hicks:

Thank you for submitting the Open Space and Recreation Plan for North Brookfield to this office for review and compliance with the current Open Space and Recreation Plan Requirements. I'm pleased to write that the plan has received final approval and the town is eligible to apply for DCS grants through March 2029. Please contact me [melissa.cryan@mass.gov](mailto:melissa.cryan@mass.gov) if you have any questions or concerns.

Sincerely,

*Melissa Cryan*

Melissa Cryan  
Grant Programs Supervisor

## Appendix - Letters of Support/Reference



### TOWN OF NORTH BROOKFIELD

MASSACHUSETTS 01535

OFFICE OF THE PLANNING BOARD

August 4, 2022

Dear North Brookfield Open Space Planners:

The Planning Board is pleased to provide its support for the Town of North Brookfield's new Open Space and Recreation Plan (2022-2029). We appreciate the many hours involved in creating this comprehensive plan and outlook. We look forward to all that can be accomplished to protect open space and increase recreation in North Brookfield in the coming years.

We are pleased to see the creation of a Master Plan/OSRP Implementation Team, so that goals can be systematically achieved. The team will be comprised of town representatives and residents, so the Board is encouraged by the opportunity for stakeholder participation as priorities are set and the plan is implemented. May the plan be widely shared and the goals implemented. We wish you success.

Sincerely,

*William King*  
William King  
Planning Board



**TOWN OF NORTH BROOKFIELD**  
MASSACHUSETTS 01535

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**OFFICE OF THE BOARD OF SELECTMEN**

Town Offices  
215 North Main Street  
Telephone 508.867.0200  
Fax 508.867.0249  
selectmen@northbrookfield.net

November 9, 2022

Dear North Brookfield Open Space Planners:

The Board of Selectmen is delighted to support the Town of North Brookfield's new Open Space and Recreation Plan (2022-2029). We appreciate the hard work put forth by our volunteers to create this plan. We look forward to continue protecting our open space and creating more opportunities for recreation in North Brookfield.

We know the creation of the Master Plan/OSRP Implementation Team is a key step in achieving our goals and securing grant funding for the future of North Brookfield. The team, being comprised of town representatives and residents, will encourage stakeholder participation as plans are made and implemented. We support the Open Space Planners and wish them success in their goals for North Brookfield's future.

Sincerely,

Jason M Petraitis, Selectboard Chairman

*North Brookfield is an equal opportunity provider and employer.*



1 Mercantile Street – Suite 520  
Worcester, MA 01608  
508.756.7717 P  
508.792.6818 F  
www.cmrpc.org

Melissa Cryan  
Division of Conservation Services  
Executive Office of Energy and Environmental Affairs  
100 Cambridge St., Ste. 900  
Boston, MA 02114

October 17, 2022

**RE: Town of North Brookfield 2021 Open Space and Recreation Plan**

Dear Ms. Cryan;

The Central Massachusetts Regional Planning Commission (CMRPC) is writing this letter in support of the Town of North Brookfield and its recently completed 2021 Open Space & Recreation Plan. The Town and its Open Space Committee (Committee) are to be commended for their hard work putting this Plan together.

The Committee and others have done a very thorough job and the final document appears compliant with the standards for such plans as promulgated by your office. North Brookfield has recognized the need to balance new development with the need to protect open space and enhance recreation opportunities. In particular, this Plan documents the continued public interest and municipal action to create a connected network of protected lands to provide ecological services that will maintain the health and well-being of the Town's residents. Additionally, this Plan acknowledges the public's desire to the preserve North Brookfield's natural resources, preserve its water resources, protect and promote its rural character, and provide recreation opportunities for all demographics. North Brookfield's Open Space and Recreation Plan will provide the Town with the specific guidance and action steps needed to accomplish its goals and objectives. These goals and objectives, which have been informed by significant community input, are clearly laid out in this plan. This Plan also recognizes the need for partnerships with public and private entities to make its goals and objectives a reality. To this end, several local groups, such as land trusts and private landowners, are included in the plan and referenced in several objectives. Many of these partnerships are currently being pursued by the Master Plan Committee, Conservation Commission, Planning Board, and Board of Selectmen.

Please consider this letter to be a demonstration of CMRPC's support for the Plan and the process used to develop it. The Town of North Brookfield will be well-served by having a State-approved Open Space and Recreation Plan in order to plan for its recreation facilities and programs, as well as to preserve and protect its valuable open spaces and natural resources.

Sincerely,

Dani Marini  
Associate Environmental Planner  
Central Massachusetts Regional Planning Commission

## Appendix – Americans with Disabilities



TOWN OF NORTH BROOKFIELD  
MASSACHUSETTS 01535

OFFICE OF THE BOARD OF SELECTMEN

Town Offices  
215 North Main Street  
Telephone 508.867.0200  
Fax 508.867.0249  
selectmen@northbrookfield.net

January 10, 2023

To whom it may concern,

Please be advised that the Board of Selectmen appointed Ashley Barre as North Brookfield's ADA Coordinator.

If you have any further questions, please feel free to contact us at 508-867-0200.

Sincerely,

Jason M Petraitis, Chairman Board of Selectmen

*North Brookfield is an equal opportunity provider and employer.*



## *Town of North Brookfield*

### *Grievance Procedure under The Americans with Disabilities Act*

This grievance Procedure is established to meet the requirements of the Americans with Disabilities Act of 1990 ("ADA"). It may be used by anyone who wishes to file a complaint alleging discrimination on the basis of disability in the provision of services, activities, programs, or benefits by the **Town of North Brookfield**. The **Town's** Personnel Policy governs employment related complaints of disability discrimination.

The complaint should be in writing and contain information about the alleged discrimination such as name, address, phone number of complainant and location, date, and description of the problem. Alternative means of filing complaints, such as personal interviews or a tape recording of the complaint, will be made available for persons with disabilities upon request.

The complaint should be submitted by the grievant and/or his/her designee as soon as possible but no later than 60 calendar days after the alleged violation to:

**The ADA Coordinator for the Town of North Brookfield is:**

**Ashley Barre and the mailing address for that person is 215 North Main Street,  
North Brookfield, MA 01535**

Within 15 calendar days after the receipt of the complaint, The *ADA Coordinator* or *his/her* designee will meet with the complainant to discuss the complaint and the possible resolutions. Within 15 calendar days of the meeting, the *ADA Coordinator* or *his/her* designee will respond in writing, and where appropriate, in a format accessible to the complainant, such as large print, Braille, or audio tape. The response will explain the position of the **Town of North Brookfield** and offer options for substantive resolution of the complaint.

If the response by the *ADA Coordinator* or *his/her* designee does not satisfactorily resolve the issue, the complainant *and/or his/her* designee may appeal the decision within 15 calendar days after receipt of the response to the **Board of Selectmen** or *their* designee.

Within 15 calendar days after receipt of the appeal, the **Board of Selectmen** or *their* designee will meet with the complainant to discuss the complaint and possible resolutions. Within 15 calendar days after the meeting, the **Board of Selectmen** or *their* designee will respond in writing, and where appropriate, in a format accessible to the complainant, with a final resolution of the complaint.

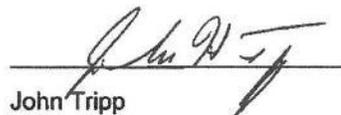
All written complaints received by the *ADA Coordinator* or *his/her* designee, appeals to the **Board of Selectmen** or their designee, and responses from these two offices will be retained by the **Town of North Brookfield** for at least three years.

Approved Date: 11/8/22

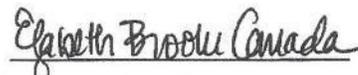
Board of Selectmen



Jason M. Petraitis



John Tripp



Elizabeth Canada

Notice Under the Americans with Disabilities Act Town of North Brookfield, in accordance with the requirements of title II of the Americans with Disabilities Act of 1990 ("ADA"), the Town of North Brookfield, Massachusetts does not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs, or activities. Employment: The Town of North Brookfield, Massachusetts does not discriminate on the basis of disability in its hiring or employment practices and complies with all regulations promulgated by the U. S. Equal Employment Opportunity Commission under title I of the ADA. Effective Communication: The Town of North Brookfield, Massachusetts will generally, upon request, provide appropriate aids and services leading to effective communication for qualified persons with disabilities so they can participate equally in the Town of North Brookfield, Massachusetts' programs, services, and activities, including qualified sign language interpreters, documents in Braille, and other ways of making information and communications available to people who have speech, hearing or vision impairments. Modifications to Policies and Procedures: The Town of North Brookfield, Massachusetts will make all reasonable modifications to policies and programs to ensure that people with disabilities have an equal opportunity to enjoy all of its programs, services and activities. For example, individuals with service animals are welcomed in North Brookfield offices, even where pets are generally prohibited. Anyone who requires an auxiliary aid or service for effective communication, or a modification of policies or procedures to participate in a program, service or activity of the Town of North Brookfield, Massachusetts should contact Ashley Barre, ADA Coordinator, [selectmen@northbrookfield.net](mailto:selectmen@northbrookfield.net) as soon as possible but no later than 48 hours before the scheduled event. The ADA does not require the Town of North Brookfield, Massachusetts to take any action that would fundamentally alter the nature of its programs or services, or impose undue financial or administrative burden. Complaints that a program, service or activity of the Town of North Brookfield, Massachusetts is not accessible to person with disabilities should be directed to Ashley Barre, ADA Coordinator, [selectmen@northbrookfield.net](mailto:selectmen@northbrookfield.net) . The Town of North Brookfield, Massachusetts will not place a surcharge on an individual with a disability or any group of individuals with disabilities to cover the cost of providing auxiliary aids or services or reasonable modifications of policy, such as retrieving items from locations that are open to the public but not accessible to persons who use wheelchairs.

# ADA Survey Town Park 1

LOCATION/FACILITY/PROGRAM			Facility		Town Park
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Back Rest Yes Arm Rest No
		Adequate number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Trash Cans	Located adjacent to accessible paths	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
	Picnic Shelters	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
Located near accessible water fountains, trash can, restroom, parking, etc.		<input type="checkbox"/>	<input type="checkbox"/>	NA	
Trails		Surface material	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
		Dimensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Signage (for visually impaired)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NA
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	NA
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	NA
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	NA
Boat Docks	Access Routes	Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
Program-ming	Are special programs at your facilities accessible?	Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	NA
Services and Technical Assistance		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Information available in alternative formats i.e. for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	NA

# ADA Survey Town Park 2

LOCATION/FACILITY/PROGRAM			Facility		Town Park
PARKING			Yes	No	Comment/Transition Notes
Total Space	Required Accessible Spaces		Yes	No	Comment/Transition Notes
Up to 25	1 space		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
26-50	2 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
51-75	3 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
76-100	4 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
101-150	5 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
151-200	6 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
201-300	7 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
301-400	8 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
401-500	9 spaces		<input type="checkbox"/>	<input type="checkbox"/>	

Specification for Accessible Spaces	Yes	No	Comment/Transition Notes
Accessible space located closest to accessible entrance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sign with international symbol of accessibility at each space or pair of spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On Ground
Sign minimum 5 ft, maximum 8 ft to top of sign	<input type="checkbox"/>	<input type="checkbox"/>	On Ground
Surface evenly paved or hard-packed (no cracks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surface slope less than 1:20, 5%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Curbside 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	<input type="checkbox"/>	<input type="checkbox"/>	NA

RAMPS		Yes	No	Comment/Transition Notes
Specifications		Yes	No	Comment/Transition Notes
Slope Maximum 1:12		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Minimum width 4 ft between handrails		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Handrails on both sides if ramp is longer than 6 ft		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Handrails at 34" and 19" from ramp surface		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Handrails extend 12" beyond top and bottom		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Handgrip oval or round		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Handgrip smooth surface		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Handgrip diameter between 1¼" and 2"		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Clearance of 1½" between wall and wall rail		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Non-slip surface		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		<input type="checkbox"/>	<input type="checkbox"/>	No Planned in approx 1 yr

Notes

# ADA Survey Town Park 3

LOCATION/FACILITY/PROGRAM  
SITE ACCESS, PATH OF TRAVEL, ENTRANCES

Facility Town Park

**Specifications**

Yes No Comment/Transition Notes

**Site Access**

Accessible path of travel from passenger disembarking area and parking area to accessible entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Disembarking area at accessible entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Surface evenly paved or hard-packed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
No ponding of water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

**Path of Travel**

Path does not require the use of stairs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Path is stable, firm and slip resistant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3 ft wide minimum	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous common surface, no changes in level greater than 1/2 inch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	<input type="checkbox"/>	<input type="checkbox"/>	NA
Curb on the pathway must have curb cuts at drives, parking and drop-offs	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Entrances**

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Level space extending 5 ft. from the door, interior and exterior of entrance doors	<input type="checkbox"/>	<input type="checkbox"/>	NA
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	<input type="checkbox"/>	<input type="checkbox"/>	NA
At least 18" clear floor area on latch, pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door handle no higher than 48" and operable with a closed fist	<input type="checkbox"/>	<input type="checkbox"/>	NA
Vestibule is 4 ft plus the width of the door swinging into the space	<input type="checkbox"/>	<input type="checkbox"/>	NA
Entrance(s) on a level that makes elevators accessible	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door mats less than 1/2" thick are securely fastened	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door mats more than 1/2" thick are recessed	<input type="checkbox"/>	<input type="checkbox"/>	NA
Grates in path of travel have openings of 1/2" maximum	<input type="checkbox"/>	<input type="checkbox"/>	NA
Signs at non-accessible entrance(s) indicate direction to accessible entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	<input type="checkbox"/>	<input type="checkbox"/>	NA

**NOTES**

# ADA Survey Town Park 4

LOCATION/FACILITY/PROGRAM  
STAIRS and DOORS

Facility Town Park

Specifications

Yes No Comment/Transition Notes

## Stairs

No open risers	<input type="checkbox"/>	<input type="checkbox"/>	NA
Nosings not projecting	<input type="checkbox"/>	<input type="checkbox"/>	NA
Treads no less than 11" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handrails on both sides	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handrails 34"-38" above tread	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handgrip oval or round	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handgrip has a smooth surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handgrip diameter between 1¼" and 1½"	<input type="checkbox"/>	<input type="checkbox"/>	NA
1½" clearance between wall and handrail	<input type="checkbox"/>	<input type="checkbox"/>	NA

## Doors

Minimum 32" clear opening	<input type="checkbox"/>	<input type="checkbox"/>	NA
At least 18" clear floor space on pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	NA
Closing speed minimum 3 seconds to within 3" of the latch	<input type="checkbox"/>	<input type="checkbox"/>	NA
Maximum pressure 5 pounds interior doors	<input type="checkbox"/>	<input type="checkbox"/>	NA
Threshold maximum ½" high, beveled on both sides	<input type="checkbox"/>	<input type="checkbox"/>	NA
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	<input type="checkbox"/>	<input type="checkbox"/>	NA
Hardware minimum 36", maximum 48" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Clear, level floor space extends out 5 ft from both sides of the door	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door adjacent to revolving door is accessible and unlocked	<input type="checkbox"/>	<input type="checkbox"/>	NA
Doors opening into hazardous area have hardware that is knurled or roughened	<input type="checkbox"/>	<input type="checkbox"/>	NA

NOTES

# ADA Survey Town Park 5

**LOCATION/FACILITY/PROGRAM**  
**RESTROOMS – also see Doors and Vestibules**

**Facility** Town Park

**Specifications**

**Yes No Comment/Transition Notes**

5 ft turning space measured 12" from the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach	<input type="checkbox"/>	<input type="checkbox"/>	NA
Mounted without pedestal or legs, height 34" to top of rim	<input type="checkbox"/>	<input type="checkbox"/>	NA
Extends at least 22" from the wall	<input type="checkbox"/>	<input type="checkbox"/>	NA
Open knee space a minimum 19" deep, 30" width, and 27" high	<input type="checkbox"/>	<input type="checkbox"/>	NA
Cover exposed pipes with insulation	<input type="checkbox"/>	<input type="checkbox"/>	NA
Faucets operable with closed fist (lever or spring activated handle)	<input type="checkbox"/>	<input type="checkbox"/>	NA

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep	<input type="checkbox"/>	<input type="checkbox"/>	NA
Stall door is 36" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Stall door swings out	<input type="checkbox"/>	<input type="checkbox"/>	NA
Stall door is self closing	<input type="checkbox"/>	<input type="checkbox"/>	NA
Stall door has a pull latch	<input type="checkbox"/>	<input type="checkbox"/>	NA
Lock on stall door is operable with a closed fist, and 32" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Coat hook is 54" high	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Toilet**

18" from center to nearest side wall	<input type="checkbox"/>	<input type="checkbox"/>	NA
42" minimum clear space from center to farthest wall or fixture	<input type="checkbox"/>	<input type="checkbox"/>	NA
Top of seat 17"-19" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Grab Bars**

On back and side wall closest to toilet	<input type="checkbox"/>	<input type="checkbox"/>	NA
1¼" diameter	<input type="checkbox"/>	<input type="checkbox"/>	NA
1½" clearance to wall	<input type="checkbox"/>	<input type="checkbox"/>	NA
Located 30" above and parallel to the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Acid-etched or roughened surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
42" long	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Fixtures**

Toilet paper dispenser is 24" above floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
One mirror set a maximum 38" to bottom (if tilted, 42")	<input type="checkbox"/>	<input type="checkbox"/>	NA
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA

**NOTES**

# ADA Survey Town Park 6

LOCATION/FACILITY/PROGRAM  
FLOORS, DRINKING FOUNTAINS, TELEPHONES

Facility Town Park

**Specifications**

Yes No Comment/Transition Notes

**Floors**

Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	<input type="checkbox"/>	<input type="checkbox"/>	NA
Corridor width minimum is 3 ft	<input type="checkbox"/>	<input type="checkbox"/>	NA
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet	<input type="checkbox"/>	<input type="checkbox"/>	NA
Hand operated push button or level controls	<input type="checkbox"/>	<input type="checkbox"/>	NA
Spouts located near front with stream of water as parallel to front as possible	<input type="checkbox"/>	<input type="checkbox"/>	NA
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	<input type="checkbox"/>	<input type="checkbox"/>	NA
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Telephones**

Highest operating part a maximum 54" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Access within 12" of phone, 30" high by 30" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Adjustable volume control on headset so identified	<input type="checkbox"/>	<input type="checkbox"/>	NA

**SIGNS, SIGNALS, AND SWITCHES**

**Switches, Controls and Signs**

Switches and controls for light, heat, ventilation, windows, fire alarms, thermo	<input type="checkbox"/>	<input type="checkbox"/>	NA
Electrical outlets centered no lower than 18" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Warning signals must be visual as well as audible	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Signs**

Mounting height must be 60" to centerline of the sign	<input type="checkbox"/>	<input type="checkbox"/>	NA
Within 18" of door jamb or recessed	<input type="checkbox"/>	<input type="checkbox"/>	NA
Letters and numbers at least 1¼" high	<input type="checkbox"/>	<input type="checkbox"/>	NA
Letters and numbers raised .03"	<input type="checkbox"/>	<input type="checkbox"/>	NA
Letters and numbers contrast with the background color	<input type="checkbox"/>	<input type="checkbox"/>	NA

**NOTES**

# ADA Survey Town Park 7

**LOCATION/FACILITY/PROGRAM**  
**SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES**

**Facility** Town Park

**Specifications**

**Yes No Comment/Transition Notes**

**SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area**

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	<input type="checkbox"/>	<input type="checkbox"/>	NA
Lifting device	<input type="checkbox"/>	<input type="checkbox"/>	NA
Transfer area 18" above the path of travel and a minimum of 18" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Unobstructed path of travel not less than 48" wide around pool	<input type="checkbox"/>	<input type="checkbox"/>	NA
Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	NA

**SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use**

Stalls 36" by 60" minimum, with a 36" door opening	<input type="checkbox"/>	<input type="checkbox"/>	NA
Floors are pitched to drain the stall at the corner farthest from entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Floors are non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
Controls operate by a single lever with a pressure balance mixing valve	<input type="checkbox"/>	<input type="checkbox"/>	NA
Controls are located on the center wall adjacent to the hinged seat	<input type="checkbox"/>	<input type="checkbox"/>	NA
Shower heads attached to a flexible metal hose	<input type="checkbox"/>	<input type="checkbox"/>	NA
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
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	<input type="checkbox"/>	<input type="checkbox"/>	NA
Soap trays without handhold features unless they can support 250 pounds	<input type="checkbox"/>	<input type="checkbox"/>	NA
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar	<input type="checkbox"/>	<input type="checkbox"/>	NA
Grab bars are placed horizontally at 36" above the floor line	<input type="checkbox"/>	<input type="checkbox"/>	NA

**PICNICKING**

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep	<input type="checkbox"/>	<input type="checkbox"/>	NA
Top of table no higher than 32" above ground	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

# ADA Survey Town Common 1

LOCATION/FACILITY/PROGRAM			Facility		TOWN COMMON
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All open space
		Access to Open Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Back Rest No Arm Rest
		Adequate number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>	NA	
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	NA
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	NA
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	NA
Boat Docks	Access Routes	Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
Program-ming	Are special programs at your facilities accessible?	Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	NA
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired	Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	NA

# ADA Survey Town Common 2

LOCATION/FACILITY/PROGRAM			Facility TOWN COMMON		
PARKING					
Total Space	Required	Accessible Spaces	Yes	No	Comment/Transition Notes
Up to 25	1 space		<input type="checkbox"/>	<input type="checkbox"/>	
26-50	2 spaces		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
51-75	3 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
76-100	4 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
101-150	5 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
151-200	6 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
201-300	7 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
301-400	8 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
401-500	9 spaces		<input type="checkbox"/>	<input type="checkbox"/>	

Specification for Accessible Spaces			Yes	No	Comment/Transition Notes
Accessible space located closest to accessible entrance			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sign with international symbol of accessibility at each space or pair of spaces			<input checked="" type="checkbox"/>	<input type="checkbox"/>	On Ground
Sign minimum 5 ft, maximum 8 ft to top of sign			<input type="checkbox"/>	<input checked="" type="checkbox"/>	On Ground
Surface evenly paved or hard-packed (no cracks)			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surface slope less than 1:20, 5%			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			<input type="checkbox"/>	<input type="checkbox"/>	NA
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			<input type="checkbox"/>	<input type="checkbox"/>	NA

RAMPS			Yes	No	Comment/Transition Notes
Specifications			Yes	No	Comment/Transition Notes
Slope Maximum 1:12			<input type="checkbox"/>	<input checked="" type="checkbox"/>	In Future Plans
Minimum width 4 ft between handrails			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handrails on both sides if ramp is longer than 6 ft			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handrails at 34" and 19" from ramp surface			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handrails extend 12" beyond top and bottom			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handgrip oval or round			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handgrip smooth surface			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handgrip diameter between 1 1/4" and 2"			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Clearance of 1 1/2" between wall and wall rail			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Non-slip surface			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes

# ADA Survey Town Common 3

LOCATION/FACILITY/PROGRAM  
SITE ACCESS, PATH OF TRAVEL, ENTRANCES

Facility TOWN COMMON

**Specifications**

Yes No Comment/Transition Notes

**Site Access**

Accessible path of travel from passenger disembarking area and parking area to accessible entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Path
Disembarking area at accessible entrance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surface evenly paved or hard-packed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Paved Parking Area
No ponding of water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grass

**Path of Travel**

Path does not require the use of stairs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Path is stable, firm and slip resistant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3 ft wide minimum	<input type="checkbox"/>	<input type="checkbox"/>	NA
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous common surface, no changes in level greater than 1/2 inch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grass
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	<input type="checkbox"/>	<input type="checkbox"/>	NA Grass
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	<input type="checkbox"/>	<input type="checkbox"/>	NA Grass
Curb on the pathway must have curb cuts at drives, parking and drop-offs	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Entrances**

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Level space extending 5 ft. from the door, interior and exterior of entrance doors	<input type="checkbox"/>	<input type="checkbox"/>	NA
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	<input type="checkbox"/>	<input type="checkbox"/>	NA
At least 18" clear floor area on latch, pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door handle no higher than 48" and operable with a closed fist	<input type="checkbox"/>	<input type="checkbox"/>	NA
Vestibule is 4 ft plus the width of the door swinging into the space	<input type="checkbox"/>	<input type="checkbox"/>	NA
Entrance(s) on a level that makes elevators accessible	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door mats less than 1/2" thick are securely fastened	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door mats more than 1/2" thick are recessed	<input type="checkbox"/>	<input type="checkbox"/>	NA
Grates in path of travel have openings of 1/2" maximum	<input type="checkbox"/>	<input type="checkbox"/>	NA
Signs at non-accessible entrance(s) indicate direction to accessible entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	<input type="checkbox"/>	<input type="checkbox"/>	NA

**NOTES**

# ADA Survey Town Common 4

LOCATION/FACILITY/PROGRAM  
STAIRS and DOORS

Facility TOWN COMMON

Specifications

Yes No Comment/Transition Notes

**Stairs**

No open risers	<input type="checkbox"/>	<input type="checkbox"/>	NA
Nosings not projecting	<input type="checkbox"/>	<input type="checkbox"/>	NA
Treads no less than 11" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handrails on both sides	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handrails 34"-38" above tread	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handgrip oval or round	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handgrip has a smooth surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handgrip diameter between 1¼" and 1½"	<input type="checkbox"/>	<input type="checkbox"/>	NA
1½" clearance between wall and handrail	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Doors**

Minimum 32" clear opening	<input type="checkbox"/>	<input type="checkbox"/>	NA
At least 18" clear floor space on pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	NA
Closing speed minimum 3 seconds to within 3" of the latch	<input type="checkbox"/>	<input type="checkbox"/>	NA
Maximum pressure 5 pounds interior doors	<input type="checkbox"/>	<input type="checkbox"/>	NA
Threshold maximum ½" high, beveled on both sides	<input type="checkbox"/>	<input type="checkbox"/>	NA
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	<input type="checkbox"/>	<input type="checkbox"/>	NA
Hardware minimum 36", maximum 48" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Clear, level floor space extends out 5 ft from both sides of the door	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door adjacent to revolving door is accessible and unlocked	<input type="checkbox"/>	<input type="checkbox"/>	NA
Doors opening into hazardous area have hardware that is knurled or roughened	<input type="checkbox"/>	<input type="checkbox"/>	NA

NOTES

# ADA Survey Town Common 5

LOCATION/FACILITY/PROGRAM  
RESTROOMS – also see Doors and Vestibules

Facility TOWN COMMON

Specifications Yes No Comment/Transition Notes

5 ft turning space measured 12" from the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach	<input type="checkbox"/>	<input type="checkbox"/>	NA
Mounted without pedestal or legs, height 34" to top of rim	<input type="checkbox"/>	<input type="checkbox"/>	NA
Extends at least 22" from the wall	<input type="checkbox"/>	<input type="checkbox"/>	NA
Open knee space a minimum 19" deep, 30" width, and 27" high	<input type="checkbox"/>	<input type="checkbox"/>	NA
Cover exposed pipes with insulation	<input type="checkbox"/>	<input type="checkbox"/>	NA
Faucets operable with closed fist (lever or spring activated handle)	<input type="checkbox"/>	<input type="checkbox"/>	NA

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep	<input type="checkbox"/>	<input type="checkbox"/>	NA
Stall door is 36" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Stall door swings out	<input type="checkbox"/>	<input type="checkbox"/>	NA
Stall door is self closing	<input type="checkbox"/>	<input type="checkbox"/>	NA
Stall door has a pull latch	<input type="checkbox"/>	<input type="checkbox"/>	NA
Lock on stall door is operable with a closed fist, and 32" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Coat hook is 54" high	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Toilet**

18" from center to nearest side wall	<input type="checkbox"/>	<input type="checkbox"/>	NA
42" minimum clear space from center to farthest wall or fixture	<input type="checkbox"/>	<input type="checkbox"/>	NA
Top of seat 17"-19" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Grab Bars**

On back and side wall closest to toilet	<input type="checkbox"/>	<input type="checkbox"/>	NA
1¼" diameter	<input type="checkbox"/>	<input type="checkbox"/>	NA
1½" clearance to wall	<input type="checkbox"/>	<input type="checkbox"/>	NA
Located 30" above and parallel to the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Acid-etched or roughened surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
42" long	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Fixtures**

Toilet paper dispenser is 24" above floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
One mirror set a maximum 38" to bottom (if tilted, 42")	<input type="checkbox"/>	<input type="checkbox"/>	NA
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA

**NOTES**

# ADA Survey Town Common 6

**LOCATION/FACILITY/PROGRAM**  
**FLOORS, DRINKING FOUNTAINS, TELEPHONES**

**Facility** TOWN COMMON

**Specifications**

**Yes No Comment/Transition Notes**

**Floors**

Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	<input type="checkbox"/>	<input type="checkbox"/>	NA
Corridor width minimum is 3 ft	<input type="checkbox"/>	<input type="checkbox"/>	NA
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet	<input type="checkbox"/>	<input type="checkbox"/>	NA
Hand operated push button or level controls	<input type="checkbox"/>	<input type="checkbox"/>	NA
Spouts located near front with stream of water as parallel to front as possible	<input type="checkbox"/>	<input type="checkbox"/>	NA
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	<input type="checkbox"/>	<input type="checkbox"/>	NA
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	<input type="checkbox"/>	<input type="checkbox"/>	

**Telephones**

Highest operating part a maximum 54" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Access within 12" of phone, 30" high by 30" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Adjustable volume control on headset so identified	<input type="checkbox"/>	<input type="checkbox"/>	NA

**SIGNS, SIGNALS, AND SWITCHES**

**Switches, Controls and Signs**

Switches and controls for light, heat, ventilation, windows, fire alarms, thermo	<input type="checkbox"/>	<input type="checkbox"/>	NA
Electrical outlets centered no lower than 18" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Warning signals must be visual as well as audible	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Signs**

Mounting height must be 60" to centerline of the sign	<input type="checkbox"/>	<input type="checkbox"/>	NA
Within 18" of door jamb or recessed	<input type="checkbox"/>	<input type="checkbox"/>	NA
Letters and numbers at least 1 1/4" high	<input type="checkbox"/>	<input type="checkbox"/>	NA
Letters and numbers raised .03"	<input type="checkbox"/>	<input type="checkbox"/>	NA
Letters and numbers contrast with the background color	<input type="checkbox"/>	<input type="checkbox"/>	NA

**NOTES**

# ADA Survey Town Common 7

**LOCATION/FACILITY/PROGRAM**  
**SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES**

**Facility** TOWN COMMON

**Specifications**

**Yes No Comment/Transition Notes**

**SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area**

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	<input type="checkbox"/>	<input type="checkbox"/>	NA
Lifting device	<input type="checkbox"/>	<input type="checkbox"/>	NA
Transfer area 18" above the path of travel and a minimum of 18" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Unobstructed path of travel not less than 48" wide around pool	<input type="checkbox"/>	<input type="checkbox"/>	NA
Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	NA

**SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use**

Stalls 36" by 60" minimum, with a 36" door opening	<input type="checkbox"/>	<input type="checkbox"/>	NA
Floors are pitched to drain the stall at the corner farthest from entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Floors are non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
Controls operate by a single lever with a pressure balance mixing valve	<input type="checkbox"/>	<input type="checkbox"/>	NA
Controls are located on the center wall adjacent to the hinged seat	<input type="checkbox"/>	<input type="checkbox"/>	NA
Shower heads attached to a flexible metal hose	<input type="checkbox"/>	<input type="checkbox"/>	NA
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
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	<input type="checkbox"/>	<input type="checkbox"/>	NA
Soap trays without handhold features unless they can support 250 pounds	<input type="checkbox"/>	<input type="checkbox"/>	NA
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar	<input type="checkbox"/>	<input type="checkbox"/>	NA
Grab bars are placed horizontally at 36" above the floor line	<input type="checkbox"/>	<input type="checkbox"/>	NA

**PICNICKING**

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep	<input type="checkbox"/>	<input type="checkbox"/>	NA
Top of table no higher than 32" above ground	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

# ADA Survey Town Forest 1

LOCATION/FACILITY/PROGRAM			Facility		Town Forest
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grass
		Access to Open Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grass
		Back and Arm Rests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
		Adequate number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Grass
		Located adjacent to accessible paths	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	Stone Dust
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	6 FT Wide
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	NA
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	NA
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	Frisbee Golf in woodland trail
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	NA
Boat Docks	Access Routes	Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	NA
Program-ming	Are special programs at your facilities accessible?	Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	NA
Services and Technical Assistance		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Information available in alternative formats i.e. for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	NA

Upgrade for fishing area of fishing dock, railings, paths

# ADA Survey Town Forest 2

LOCATION/FACILITY/PROGRAM			Facility		Town Forest
PARKING			Yes	No	Comment/Transition Notes
Total Space	Required Accessible Spaces				
Up to 25	1 space		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
26-50	2 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
51-75	3 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
76-100	4 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
101-150	5 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
151-200	6 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
201-300	7 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
301-400	8 spaces		<input type="checkbox"/>	<input type="checkbox"/>	
401-500	9 spaces		<input type="checkbox"/>	<input type="checkbox"/>	

Specification for Accessible Spaces	Yes	No	Comment/Transition Notes
Accessible space located closest to accessible entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sign with international symbol of accessibility at each space or pair of spaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sign minimum 5 ft, maximum 8 ft to top of sign	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Surface evenly paved or hard-packed (no cracks)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Surface slope less than 1:20, 5%	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

RAMPS		Yes	No	Comment/Transition Notes
Specifications				
Slope Maximum 1:12		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Minimum width 4 ft between handrails		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handrails on both sides if ramp is longer than 6 ft		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handrails at 34" and 19" from ramp surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handrails extend 12" beyond top and bottom		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handgrip oval or round		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handgrip smooth surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Handgrip diameter between 1 1/4" and 2"		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Clearance of 1 1/2" between wall and wall rail		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Non-slip surface		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes

# ADA Survey Town Forest 3

LOCATION/FACILITY/PROGRAM  
SITE ACCESS, PATH OF TRAVEL, ENTRANCES

Facility **Town Forest**

**Specifications**

**Yes No Comment/Transition Notes**

**Site Access**

Accessible path of travel from passenger disembarking area and parking area to accessible entrance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Disembarking area at accessible entrance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surface evenly paved or hard-packed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
No ponding of water	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**Path of Travel**

Path does not require the use of stairs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Path is stable, firm and slip resistant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3 ft wide minimum	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous common surface, no changes in level greater than 1/2 inch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Grass to Stone Dust
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Curb on the pathway must have curb cuts at drives, parking and drop-offs	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Entrances**

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Level space extending 5 ft. from the door, interior and exterior of entrance doors	<input type="checkbox"/>	<input type="checkbox"/>	NA
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	<input type="checkbox"/>	<input type="checkbox"/>	NA
At least 18" clear floor area on latch, pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door handle no higher than 48" and operable with a closed fist	<input type="checkbox"/>	<input type="checkbox"/>	NA
Vestibule is 4 ft plus the width of the door swinging into the space	<input type="checkbox"/>	<input type="checkbox"/>	NA
Entrance(s) on a level that makes elevators accessible	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door mats less than 1/2" thick are securely fastened	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door mats more than 1/2" thick are recessed	<input type="checkbox"/>	<input type="checkbox"/>	NA
Grates in path of travel have openings of 1/2" maximum	<input type="checkbox"/>	<input type="checkbox"/>	NA
Signs at non-accessible entrance(s) indicate direction to accessible entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	<input type="checkbox"/>	<input type="checkbox"/>	NA

**NOTES**

# ADA Survey Town Forest 4

**LOCATION/FACILITY/PROGRAM**  
**STAIRS and DOORS**

**Facility** Town Forest

**Specifications**

**Yes No Comment/Transition Notes**

**Stairs**

No open risers	<input type="checkbox"/>	<input type="checkbox"/>	NA
Nosings not projecting	<input type="checkbox"/>	<input type="checkbox"/>	NA
Treads no less than 11" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handrails on both sides	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handrails 34"-38" above tread	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handgrip oval or round	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handgrip has a smooth surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
Handgrip diameter between 1¼" and 1½"	<input type="checkbox"/>	<input type="checkbox"/>	NA
1½" clearance between wall and handrail	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Doors**

Minimum 32" clear opening	<input type="checkbox"/>	<input type="checkbox"/>	NA
At least 18" clear floor space on pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	NA
Closing speed minimum 3 seconds to within 3" of the latch	<input type="checkbox"/>	<input type="checkbox"/>	NA
Maximum pressure 5 pounds interior doors	<input type="checkbox"/>	<input type="checkbox"/>	NA
Threshold maximum ½" high, beveled on both sides	<input type="checkbox"/>	<input type="checkbox"/>	NA
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	<input type="checkbox"/>	<input type="checkbox"/>	NA
Hardware minimum 36", maximum 48" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Clear, level floor space extends out 5 ft from both sides of the door	<input type="checkbox"/>	<input type="checkbox"/>	NA
Door adjacent to revolving door is accessible and unlocked	<input type="checkbox"/>	<input type="checkbox"/>	NA
Doors opening into hazardous area have hardware that is knurled or roughened	<input type="checkbox"/>	<input type="checkbox"/>	NA

**NOTES**

# ADA Survey Town Forest 5

**LOCATION/FACILITY/PROGRAM**

Facility **Town Forest**

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

Yes No **Comment/Transition Notes**

5 ft turning space measured 12" from the floor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Mounted without pedestal or legs, height 34" to top of rim	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Extends at least 22" from the wall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Open knee space a minimum 19" deep, 30" width, and 27" high	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cover exposed pipes with insulation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Faucets operable with closed fist (lever or spring activated handle)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stall door is 36" wide	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stall door swings out	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stall door is self closing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stall door has a pull latch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lock on stall door is operable with a closed fist, and 32" above the floor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Coat hook is 54" high	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**Toilet**

18" from center to nearest side wall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
42" minimum clear space from center to farthest wall or fixture	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Top of seat 17"-19" above the floor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**Grab Bars**

On back and side wall closest to toilet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1 1/4" diameter	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1 1/2" clearance to wall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Located 30" above and parallel to the floor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Acid-etched or roughened surface	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
42" long	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**Fixtures**

Toilet paper dispenser is 24" above floor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
One mirror set a maximum 38" to bottom (if tilted, 42")	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**NOTES**

# ADA Survey Town Forest 6

**LOCATION/FACILITY/PROGRAM**  
**FLOORS, DRINKING FOUNTAINS, TELEPHONES**

**Facility** Town Forest

**Specifications**

**Yes No Comment/Transition Notes**

**Floors**

Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	<input type="checkbox"/>	<input type="checkbox"/>	NA
Corridor width minimum is 3 ft	<input type="checkbox"/>	<input type="checkbox"/>	NA
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet	<input type="checkbox"/>	<input type="checkbox"/>	NA
Hand operated push button or level controls	<input type="checkbox"/>	<input type="checkbox"/>	NA
Spouts located near front with stream of water as parallel to front as possible	<input type="checkbox"/>	<input type="checkbox"/>	NA
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	<input type="checkbox"/>	<input type="checkbox"/>	NA
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Telephones**

Highest operating part a maximum 54" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Access within 12" of phone, 30" high by 30" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Adjustable volume control on headset so identified	<input type="checkbox"/>	<input type="checkbox"/>	NA

**SIGNS, SIGNALS, AND SWITCHES**

**Switches, Controls and Signs**

Switches and controls for light, heat, ventilation, windows, fire alarms, thermo	<input type="checkbox"/>	<input type="checkbox"/>	NA
Electrical outlets centered no lower than 18" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
Warning signals must be visual as well as audible	<input type="checkbox"/>	<input type="checkbox"/>	NA

**Signs**

Mounting height must be 60" to centerline of the sign	<input type="checkbox"/>	<input type="checkbox"/>	NA
Within 18" of door jamb or recessed	<input type="checkbox"/>	<input type="checkbox"/>	NA
Letters and numbers at least 1¼" high	<input type="checkbox"/>	<input type="checkbox"/>	NA
Letters and numbers raised .03"	<input type="checkbox"/>	<input type="checkbox"/>	NA
Letters and numbers contrast with the background color	<input type="checkbox"/>	<input type="checkbox"/>	NA

**NOTES**

# ADA Survey Town Forest 7

**LOCATION/FACILITY/PROGRAM**  
**SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES**

**Facility** Town Forest

**Specifications**

**Yes No Comment/Transition Notes**

**SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area**

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	<input type="checkbox"/>	<input type="checkbox"/>	NA
Lifting device	<input type="checkbox"/>	<input type="checkbox"/>	NA
Transfer area 18" above the path of travel and a minimum of 18" wide	<input type="checkbox"/>	<input type="checkbox"/>	NA
Unobstructed path of travel not less than 48" wide around pool	<input type="checkbox"/>	<input type="checkbox"/>	NA
Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	NA

**SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use**

Stalls 36" by 60" minimum, with a 36" door opening	<input type="checkbox"/>	<input type="checkbox"/>	NA
Floors are pitched to drain the stall at the corner farthest from entrance	<input type="checkbox"/>	<input type="checkbox"/>	NA
Floors are non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	NA
Controls operate by a single lever with a pressure balance mixing valve	<input type="checkbox"/>	<input type="checkbox"/>	NA
Controls are located on the center wall adjacent to the hinged seat	<input type="checkbox"/>	<input type="checkbox"/>	NA
Shower heads attached to a flexible metal hose	<input type="checkbox"/>	<input type="checkbox"/>	NA
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	NA
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	<input type="checkbox"/>	<input type="checkbox"/>	NA
Soap trays without handhold features unless they can support 250 pounds	<input type="checkbox"/>	<input type="checkbox"/>	NA
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar	<input type="checkbox"/>	<input type="checkbox"/>	NA
Grab bars are placed horizontally at 36" above the floor line	<input type="checkbox"/>	<input type="checkbox"/>	NA

**PICNICKING**

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep	<input type="checkbox"/>	<input type="checkbox"/>	NA
Top of table no higher than 32" above ground	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

## ADA Survey North Brookfield Rail Trail – Partial Development

LOCATION/FACILITY/PROGRAM			Facility		NB Rail Trail
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Picnic Shelters		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>	
Trails		Surface material	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Trails are Gravel and even
		Dimensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
	Shade provided	<input type="checkbox"/>	<input type="checkbox"/>		
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
	Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>		
Boat Docks	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
	Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>		
Program- ming	Are special programs at your facilities accessible?	Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired		<input type="checkbox"/>	<input type="checkbox"/>	
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	



# ADA Wolcott Woods 1

LOCATION/FACILITY/PROGRAM			Facility		Wolcott Woods
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Picnic Shelters	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>		
	Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>		
Trails		Surface material	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Shade provided	<input type="checkbox"/>	<input type="checkbox"/>	
		Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
		Height	<input type="checkbox"/>	<input type="checkbox"/>	
Boat Docks	Access Routes	Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>	
	Handrails	<input type="checkbox"/>	<input type="checkbox"/>		
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
Program-ming	Are special programs at your facilities accessible?	Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	
		Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
		Information available in alternative formats i.e. for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	

# ADA Wolcott Woods 2

LOCATION/FACILITY/PROGRAM		Facility	Wolcott Woods	
PARKING				
Total Space	Required Accessible Spaces	Yes	No	Comment/Transition Notes
Up to 25	1 space	<input type="checkbox"/>	<input type="checkbox"/>	
26-50	2 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
51-75	3 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
76-100	4 spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
101-150	5 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
151-200	6 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
201-300	7 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
301-400	8 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
401-500	9 spaces	<input type="checkbox"/>	<input type="checkbox"/>	

Specification for Accessible Spaces	Yes	No	Comment/Transition Notes
Accessible space located closest to accessible entrance	<input type="checkbox"/>	<input type="checkbox"/>	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	<input type="checkbox"/>	<input type="checkbox"/>	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	<input type="checkbox"/>	<input type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>	
Sign with international symbol of accessibility at each space or pair of spaces	<input type="checkbox"/>	<input type="checkbox"/>	
Sign minimum 5 ft, maximum 8 ft to top of sign	<input type="checkbox"/>	<input type="checkbox"/>	
Surface evenly paved or hard-packed (no cracks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surface slope less than 1:20, 5%	<input type="checkbox"/>	<input type="checkbox"/>	
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	<input type="checkbox"/>	<input type="checkbox"/>	
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	<input type="checkbox"/>	<input type="checkbox"/>	

RAMPS		Yes	No	Comment/Transition Notes
Specifications				
Slope Maximum 1:12		<input type="checkbox"/>	<input type="checkbox"/>	
Minimum width 4 ft between handrails		<input type="checkbox"/>	<input type="checkbox"/>	
Handrails on both sides if ramp is longer than 6 ft		<input type="checkbox"/>	<input type="checkbox"/>	
Handrails at 34" and 19" from ramp surface		<input type="checkbox"/>	<input type="checkbox"/>	
Handrails extend 12" beyond top and bottom		<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip oval or round		<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip smooth surface		<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip diameter between 1¼" and 2"		<input type="checkbox"/>	<input type="checkbox"/>	
Clearance of 1½" between wall and wall rail		<input type="checkbox"/>	<input type="checkbox"/>	
Non-slip surface		<input type="checkbox"/>	<input type="checkbox"/>	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		<input type="checkbox"/>	<input type="checkbox"/>	

Notes

## SITE ACCESS, PATH OF TRAVEL, ENTRANCES

# ADA Wolcott Woods 3

LOCATION/FACILITY/PROGRAM  
Specifications

Facility Wolcott Woods  
Yes No Comment/Transition Notes

## Site Access

Accessible path of travel from passenger disembarking area and parking area to accessible entrance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Disembarking area at accessible entrance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surface evenly paved or hard-packed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
No ponding of water	<input type="checkbox"/>	<input type="checkbox"/>	

## Path of Travel

Path does not require the use of stairs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Path is stable, firm and slip resistant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3 ft wide minimum	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous common surface, no changes in level greater than ½ inch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	<input type="checkbox"/>	<input type="checkbox"/>	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	<input type="checkbox"/>	<input type="checkbox"/>	
Curb on the pathway must have curb cuts at drives, parking and drop-offs	<input type="checkbox"/>	<input type="checkbox"/>	

## Entrances

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	<input type="checkbox"/>	<input type="checkbox"/>	
Level space extending 5 ft. from the door, interior and exterior of entrance doors	<input type="checkbox"/>	<input type="checkbox"/>	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	<input type="checkbox"/>	<input type="checkbox"/>	
At least 18" clear floor area on latch, pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	
Door handle no higher than 48" and operable with a closed fist	<input type="checkbox"/>	<input type="checkbox"/>	
Vestibule is 4 ft plus the width of the door swinging into the space	<input type="checkbox"/>	<input type="checkbox"/>	
Entrance(s) on a level that makes elevators accessible	<input type="checkbox"/>	<input type="checkbox"/>	
Door mats less than ½" thick are securely fastened	<input type="checkbox"/>	<input type="checkbox"/>	
Door mats more than ½" thick are recessed	<input type="checkbox"/>	<input type="checkbox"/>	
Grates in path of travel have openings of ½" maximum	<input type="checkbox"/>	<input type="checkbox"/>	
Signs at non-accessible entrance(s) indicate direction to accessible entrance	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	<input type="checkbox"/>	<input type="checkbox"/>	

## NOTES

## STAIRS and DOORS

# ADA Wolcott Woods 4

**LOCATION/FACILITY/PROGRAM  
Specifications**

Facility Wolcott Woods  
**Yes No Comment/Transition Notes**

**Stairs**

No open risers	<input type="checkbox"/>	<input type="checkbox"/>	
Nosings not projecting	<input type="checkbox"/>	<input type="checkbox"/>	
Treads no less than 11" wide	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails on both sides	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails 34"-38" above tread	<input type="checkbox"/>	<input type="checkbox"/>	
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip oval or round	<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip has a smooth surface	<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip diameter between 1¼" and 1½"	<input type="checkbox"/>	<input type="checkbox"/>	
1½" clearance between wall and handrail	<input type="checkbox"/>	<input type="checkbox"/>	

**Doors**

Minimum 32" clear opening	<input type="checkbox"/>	<input type="checkbox"/>	
At least 18" clear floor space on pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	
Closing speed minimum 3 seconds to within 3" of the latch	<input type="checkbox"/>	<input type="checkbox"/>	
Maximum pressure 5 pounds interior doors	<input type="checkbox"/>	<input type="checkbox"/>	
Threshold maximum ½" high, beveled on both sides	<input type="checkbox"/>	<input type="checkbox"/>	
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	<input type="checkbox"/>	<input type="checkbox"/>	
Hardware minimum 36", maximum 48" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Clear, level floor space extends out 5 ft from both sides of the door	<input type="checkbox"/>	<input type="checkbox"/>	
Door adjacent to revolving door is accessible and unlocked	<input type="checkbox"/>	<input type="checkbox"/>	
Doors opening into hazardous area have hardware that is knurled or roughened	<input type="checkbox"/>	<input type="checkbox"/>	

**NOTES**

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

**Yes No Comment/Transition Notes**

# ADA Wolcott Woods 5

LOCATION/FACILITY/PROGRAM

Facility Wolcott Woods

5 ft turning space measured 12" from the floor	<input type="checkbox"/>	<input type="checkbox"/>	
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach	<input type="checkbox"/>	<input type="checkbox"/>	
Mounted without pedestal or legs, height 34" to top of rim	<input type="checkbox"/>	<input type="checkbox"/>	
Extends at least 22" from the wall	<input type="checkbox"/>	<input type="checkbox"/>	
Open knee space a minimum 19" deep, 30" width, and 27" high	<input type="checkbox"/>	<input type="checkbox"/>	
Cover exposed pipes with insulation	<input type="checkbox"/>	<input type="checkbox"/>	
Faucets operable with closed fist (lever or spring activated handle)	<input type="checkbox"/>	<input type="checkbox"/>	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door is 36" wide	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door swings out	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door is self closing	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door has a pull latch	<input type="checkbox"/>	<input type="checkbox"/>	
Lock on stall door is operable with a closed fist, and 32" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Coat hook is 54" high	<input type="checkbox"/>	<input type="checkbox"/>	

**Toilet**

18" from center to nearest side wall	<input type="checkbox"/>	<input type="checkbox"/>	
42" minimum clear space from center to farthest wall or fixture	<input type="checkbox"/>	<input type="checkbox"/>	
Top of seat 17"-19" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	

**Grab Bars**

On back and side wall closest to toilet	<input type="checkbox"/>	<input type="checkbox"/>	
1½" diameter	<input type="checkbox"/>	<input type="checkbox"/>	
1½" clearance to wall	<input type="checkbox"/>	<input type="checkbox"/>	
Located 30" above and parallel to the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Acid-etched or roughened surface	<input type="checkbox"/>	<input type="checkbox"/>	
42" long	<input type="checkbox"/>	<input type="checkbox"/>	

**Fixtures**

Toilet paper dispenser is 24" above floor	<input type="checkbox"/>	<input type="checkbox"/>	
One mirror set a maximum 38" to bottom (if tilted, 42")	<input type="checkbox"/>	<input type="checkbox"/>	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	

**NOTES**

**FLOORS, DRINKING FOUNTAINS, TELEPHONES**

Specifications

Yes No Comment/Transition Notes

# ADA Wolcott Woods 6

**LOCATION/FACILITY/PROGRAM**

Facility Wolcott Woods

**Floors**

Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	<input type="checkbox"/>	<input type="checkbox"/>	
Corridor width minimum is 3 ft	<input type="checkbox"/>	<input type="checkbox"/>	
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet	<input type="checkbox"/>	<input type="checkbox"/>	
Hand operated push button or level controls	<input type="checkbox"/>	<input type="checkbox"/>	
Spouts located near front with stream of water as parallel to front as possible	<input type="checkbox"/>	<input type="checkbox"/>	
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	<input type="checkbox"/>	<input type="checkbox"/>	
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	<input type="checkbox"/>	<input type="checkbox"/>	

**Telephones**

Highest operating part a maximum 54" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Access within 12" of phone, 30" high by 30" wide	<input type="checkbox"/>	<input type="checkbox"/>	
Adjustable volume control on headset so identified	<input type="checkbox"/>	<input type="checkbox"/>	

**SIGNS, SIGNALS, AND SWITCHES**

**Switches, Controls and Signs**

Switches and controls for light, heat, ventilation, windows, fire alarms, thermo	<input type="checkbox"/>	<input type="checkbox"/>	
Electrical outlets centered no lower than 18" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Warning signals must be visual as well as audible	<input type="checkbox"/>	<input type="checkbox"/>	

**Signs**

Mounting height must be 60" to centerline of the sign	<input type="checkbox"/>	<input type="checkbox"/>	
Within 18" of door jamb or recessed	<input type="checkbox"/>	<input type="checkbox"/>	
Letters and numbers a t least 1¼" high	<input type="checkbox"/>	<input type="checkbox"/>	
Letters and numbers raised .03"	<input type="checkbox"/>	<input type="checkbox"/>	
Letters and numbers contrast with the background color	<input type="checkbox"/>	<input type="checkbox"/>	

**NOTES**

**SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES**

**Specifications**

Yes No Comment/Transition Notes

**SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area**

# ADA Wolcott Woods 7

LOCATION/FACILITY/PROGRAM	Facility	Wolcott Woods
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	<input type="checkbox"/>	<input type="checkbox"/>
Lifting device	<input type="checkbox"/>	<input type="checkbox"/>
Transfer area 18" above the path of travel and a minimum of 18" wide	<input type="checkbox"/>	<input type="checkbox"/>
Unobstructed path of travel not less than 48" wide around pool	<input type="checkbox"/>	<input type="checkbox"/>
Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>

## SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Stalls 36" by 60" minimum, with a 36" door opening	<input type="checkbox"/>	<input type="checkbox"/>
Floors are pitched to drain the stall at the corner farthest from entrance	<input type="checkbox"/>	<input type="checkbox"/>
Floors are non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>
Controls operate by a single lever with a pressure balance mixing valve	<input type="checkbox"/>	<input type="checkbox"/>
Controls are located on the center wall adjacent to the hinged seat	<input type="checkbox"/>	<input type="checkbox"/>
Shower heads attached to a flexible metal hose	<input type="checkbox"/>	<input type="checkbox"/>
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>
Soap trays without handhold features unless they can support 250 pounds	<input type="checkbox"/>	<input type="checkbox"/>
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar	<input type="checkbox"/>	<input type="checkbox"/>
Grab bars are placed horizontally at 36" above the floor line	<input type="checkbox"/>	<input type="checkbox"/>

## PICNICKING

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	<input type="checkbox"/>	<input type="checkbox"/>
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep	<input type="checkbox"/>	<input type="checkbox"/>
Top of table no higher than 32" above ground	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter	<input type="checkbox"/>	<input type="checkbox"/>

# ADA Water Dept 1

LOCATION/FACILITY/PROGRAM			Facility		Water Dept Oakham Rd
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Picnic Shelters	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>		
	Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>		
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
Boat Docks	Access Routes	Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	
Program-ming	Are special programs at your facilities accessible?	Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired	Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

# ADA Water Dept 2

**LOCATION/FACILITY/PROGRAM  
PARKING**

Facility **Water Dept Oakham Rd**

Total Space Required Accessible Spaces		Yes	No	Comment/Transition Notes
Up to 25	1 space	<input type="checkbox"/>	<input type="checkbox"/>	
26-50	2 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
51-75	3 spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
76-100	4 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
101-150	5 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
151-200	6 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
201-300	7 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
301-400	8 spaces	<input type="checkbox"/>	<input type="checkbox"/>	
401-500	9 spaces	<input type="checkbox"/>	<input type="checkbox"/>	

**Specification for Accessible Spaces**

Yes No Comment/Transition Notes

Specification for Accessible Spaces	Yes	No	Comment/Transition Notes
Accessible space located closest to accessible entrance	<input type="checkbox"/>	<input type="checkbox"/>	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	<input type="checkbox"/>	<input type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>	
Sign with international symbol of accessibility at each space or pair of spaces	<input type="checkbox"/>	<input type="checkbox"/>	
Sign minimum 5 ft, maximum 8 ft to top of sign	<input type="checkbox"/>	<input type="checkbox"/>	
Surface evenly paved or hard-packed (no cracks)	<input type="checkbox"/>	<input type="checkbox"/>	
Surface slope less than 1:20, 5%	<input type="checkbox"/>	<input type="checkbox"/>	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	<input type="checkbox"/>	<input type="checkbox"/>	
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	<input type="checkbox"/>	<input type="checkbox"/>	

**RAMPS**

**Specifications**

Yes No Comment/Transition Notes

Specifications	Yes	No	Comment/Transition Notes
Slope Maximum 1:12	<input type="checkbox"/>	<input type="checkbox"/>	
Minimum width 4 ft between handrails	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails on both sides if ramp is longer than 6 ft	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails at 34" and 19" from ramp surface	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails extend 12" beyond top and bottom	<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip oval or round	<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip smooth surface	<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip diameter between 1½" and 2"	<input type="checkbox"/>	<input type="checkbox"/>	
Clearance of 1½" between wall and wall rail	<input type="checkbox"/>	<input type="checkbox"/>	
Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	<input type="checkbox"/>	<input type="checkbox"/>	

**Notes**

**SITE ACCESS, PATH OF TRAVEL, ENTRANCES**

# ADA Water Dept 3

**LOCATION/FACILITY/PROGRAM**  
**Specifications**

Facility **Water Dept Oakham Rd**  
 Yes No **Comment/Transition Notes**

**Site Access**

Accessible path of travel from passenger disembarking area and parking area to accessible entrance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Disembarking area at accessible entrance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surface evenly paved or hard-packed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
No ponding of water	<input type="checkbox"/>	<input type="checkbox"/>	

**Path of Travel**

Path does not require the use of stairs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Path is stable, firm and slip resistant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3 ft wide minimum	<input type="checkbox"/>	<input type="checkbox"/>	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous common surface, no changes in level greater than ½ inch	<input type="checkbox"/>	<input type="checkbox"/>	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	<input type="checkbox"/>	<input type="checkbox"/>	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	<input type="checkbox"/>	<input type="checkbox"/>	
Curb on the pathway must have curb cuts at drives, parking and drop-offs	<input type="checkbox"/>	<input type="checkbox"/>	

**Entrances**

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	<input type="checkbox"/>	<input type="checkbox"/>	
Level space extending 5 ft. from the door, interior and exterior of entrance doors	<input type="checkbox"/>	<input type="checkbox"/>	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	<input type="checkbox"/>	<input type="checkbox"/>	
At least 18" clear floor area on latch, pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	
Door handle no higher than 48" and operable with a closed fist	<input type="checkbox"/>	<input type="checkbox"/>	
Vestibule is 4 ft plus the width of the door swinging into the space	<input type="checkbox"/>	<input type="checkbox"/>	
Entrance(s) on a level that makes elevators accessible	<input type="checkbox"/>	<input type="checkbox"/>	
Door mats less than ½" thick are securely fastened	<input type="checkbox"/>	<input type="checkbox"/>	
Door mats more than ½" thick are recessed	<input type="checkbox"/>	<input type="checkbox"/>	
Grates in path of travel have openings of ½" maximum	<input type="checkbox"/>	<input type="checkbox"/>	
Signs at non-accessible entrance(s) indicate direction to accessible entrance	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	<input type="checkbox"/>	<input type="checkbox"/>	

**NOTES**

**STAIRS and DOORS**

**Specifications**

**Yes No Comment/Transition Notes**

# ADA Water Dept 4

LOCATION/FACILITY/PROGRAM

Facility **Water Dept Oakham Rd**

**Stairs**

No open risers	<input type="checkbox"/>	<input type="checkbox"/>	
Nosings not projecting	<input type="checkbox"/>	<input type="checkbox"/>	
Treads no less than 11" wide	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails on both sides	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails 34"-38" above tread	<input type="checkbox"/>	<input type="checkbox"/>	
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip oval or round	<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip has a smooth surface	<input type="checkbox"/>	<input type="checkbox"/>	
Handgrip diameter between 1¼" and 1½"	<input type="checkbox"/>	<input type="checkbox"/>	
1½" clearance between wall and handrail	<input type="checkbox"/>	<input type="checkbox"/>	

**Doors**

Minimum 32" clear opening	<input type="checkbox"/>	<input type="checkbox"/>	
At least 18" clear floor space on pull side of door	<input type="checkbox"/>	<input type="checkbox"/>	
Closing speed minimum 3 seconds to within 3" of the latch	<input type="checkbox"/>	<input type="checkbox"/>	
Maximum pressure 5 pounds interior doors	<input type="checkbox"/>	<input type="checkbox"/>	
Threshold maximum ½" high, beveled on both sides	<input type="checkbox"/>	<input type="checkbox"/>	
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	<input type="checkbox"/>	<input type="checkbox"/>	
Hardware minimum 36", maximum 48" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Clear, level floor space extends out 5 ft from both sides of the door	<input type="checkbox"/>	<input type="checkbox"/>	
Door adjacent to revolving door is accessible and unlocked	<input type="checkbox"/>	<input type="checkbox"/>	
Doors opening into hazardous area have hardware that is knurled or roughened	<input type="checkbox"/>	<input type="checkbox"/>	

**NOTES**

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

**Yes No Comment/Transition Notes**

# ADA Water Dept 5

LOCATION/FACILITY/PROGRAM	Facility		Water Dept Oakham Rd
5 ft turning space measured 12" from the floor	<input type="checkbox"/>	<input type="checkbox"/>	

**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach	<input type="checkbox"/>	<input type="checkbox"/>	
Mounted without pedestal or legs, height 34" to top of rim	<input type="checkbox"/>	<input type="checkbox"/>	
Extends at least 22" from the wall	<input type="checkbox"/>	<input type="checkbox"/>	
Open knee space a minimum 19" deep, 30" width, and 27" high	<input type="checkbox"/>	<input type="checkbox"/>	
Cover exposed pipes with insulation	<input type="checkbox"/>	<input type="checkbox"/>	
Faucets operable with closed fist (lever or spring activated handle)	<input type="checkbox"/>	<input type="checkbox"/>	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door is 36" wide	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door swings out	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door is self closing	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door has a pull latch	<input type="checkbox"/>	<input type="checkbox"/>	
Lock on stall door is operable with a closed fist, and 32" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Coat hook is 54" high	<input type="checkbox"/>	<input type="checkbox"/>	

**Toilet**

18" from center to nearest side wall	<input type="checkbox"/>	<input type="checkbox"/>	
42" minimum clear space from center to farthest wall or fixture	<input type="checkbox"/>	<input type="checkbox"/>	
Top of seat 17"-19" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	

**Grab Bars**

On back and side wall closest to toilet	<input type="checkbox"/>	<input type="checkbox"/>	
1½" diameter	<input type="checkbox"/>	<input type="checkbox"/>	
1½" clearance to wall	<input type="checkbox"/>	<input type="checkbox"/>	
Located 30" above and parallel to the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Acid-etched or roughened surface	<input type="checkbox"/>	<input type="checkbox"/>	
42" long	<input type="checkbox"/>	<input type="checkbox"/>	

**Fixtures**

Toilet paper dispenser is 24" above floor	<input type="checkbox"/>	<input type="checkbox"/>	
One mirror set a maximum 38" to bottom (if tilted, 42")	<input type="checkbox"/>	<input type="checkbox"/>	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	

**NOTES**

**FLOORS, DRINKING FOUNTAINS, TELEPHONES**

**Specifications**

Yes No Comment/Transition Notes

**Floors**

# ADA Water Dept 6

LOCATION/FACILITY/PROGRAM	Facility	Water Dept Oakham Rd
Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	<input type="checkbox"/>	<input type="checkbox"/>
Corridor width minimum is 3 ft	<input type="checkbox"/>	<input type="checkbox"/>
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	<input type="checkbox"/>	<input type="checkbox"/>

## Drinking Fountains

Spouts no higher than 36" from floor to outlet	<input type="checkbox"/>	<input type="checkbox"/>
Hand operated push button or level controls	<input type="checkbox"/>	<input type="checkbox"/>
Spouts located near front with stream of water as parallel to front as possible	<input type="checkbox"/>	<input type="checkbox"/>
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	<input type="checkbox"/>	<input type="checkbox"/>
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	<input type="checkbox"/>	<input type="checkbox"/>

## Telephones

Highest operating part a maximum 54" above the floor	<input type="checkbox"/>	<input type="checkbox"/>
Access within 12" of phone, 30" high by 30" wide	<input type="checkbox"/>	<input type="checkbox"/>
Adjustable volume control on headset so identified	<input type="checkbox"/>	<input type="checkbox"/>

## SIGNS, SIGNALS, AND SWITCHES

### Switches, Controls and Signs

Switches and controls for light, heat, ventilation, windows, fire alarms, thermo	<input type="checkbox"/>	<input type="checkbox"/>
Electrical outlets centered no lower than 18" above the floor	<input type="checkbox"/>	<input type="checkbox"/>
Warning signals must be visual as well as audible	<input type="checkbox"/>	<input type="checkbox"/>

### Signs

Mounting height must be 60" to centerline of the sign	<input type="checkbox"/>	<input type="checkbox"/>
Within 18" of door jamb or recessed	<input type="checkbox"/>	<input type="checkbox"/>
Letters and numbers at least 1 1/4" high	<input type="checkbox"/>	<input type="checkbox"/>
Letters and numbers raised .03"	<input type="checkbox"/>	<input type="checkbox"/>
Letters and numbers contrast with the background color	<input type="checkbox"/>	<input type="checkbox"/>

## NOTES

## SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES

### Specifications

Yes No Comment/Transition Notes

### SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

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	<input type="checkbox"/>	<input type="checkbox"/>
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# ADA Water Dept 7

LOCATION/FACILITY/PROGRAM	Facility	Water Dept Oakham Rd
Lifting device	<input type="checkbox"/>	<input type="checkbox"/>
Transfer area 18" above the path of travel and a minimum of 18" wide	<input type="checkbox"/>	<input type="checkbox"/>
Unobstructed path of travel not less than 48" wide around pool	<input type="checkbox"/>	<input type="checkbox"/>
Non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>

## SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Stalls 36" by 60" minimum, with a 36" door opening	<input type="checkbox"/>	<input type="checkbox"/>
Floors are pitched to drain the stall at the corner farthest from entrance	<input type="checkbox"/>	<input type="checkbox"/>
Floors are non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>
Controls operate by a single lever with a pressure balance mixing valve	<input type="checkbox"/>	<input type="checkbox"/>
Controls are located on the center wall adjacent to the hinged seat	<input type="checkbox"/>	<input type="checkbox"/>
Shower heads attached to a flexible metal hose	<input type="checkbox"/>	<input type="checkbox"/>
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>
Soap trays without handhold features unless they can support 250 pounds	<input type="checkbox"/>	<input type="checkbox"/>
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar	<input type="checkbox"/>	<input type="checkbox"/>
Grab bars are placed horizontally at 36" above the floor line	<input type="checkbox"/>	<input type="checkbox"/>

## PICNICKING

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	<input type="checkbox"/>	<input type="checkbox"/>
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep	<input type="checkbox"/>	<input type="checkbox"/>
Top of table no higher than 32" above ground	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter	<input type="checkbox"/>	<input type="checkbox"/>

# ADA Bradshaw St 1 - Undeveloped

LOCATION/FACILITY/PROGRAM			Facility		13 Bradsaw St .3 acres Unde
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Picnic Shelters		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>	
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
	Shade provided	<input type="checkbox"/>	<input type="checkbox"/>		
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
	Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>		
Boat Docks	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
	Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>		
Program-ming	Are special programs at your facilities accessible?	Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired		<input type="checkbox"/>	<input type="checkbox"/>	
	Process to request interpretive services (i.e. sign language interpreter) for meetings		<input type="checkbox"/>	<input type="checkbox"/>	

## PARKING

# ADA Collins Rd - Undeveloped

LOCATION/FACILITY/PROGRAM			Facility		Collins Rd Undeveloped
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Picnic Shelters	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>		
	Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>		
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
Boat Docks	Access Routes	Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	
Program-ming	Are special programs at your facilities accessible?	Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired	Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

## PARKING

## ADA Donovan Rd – Undeveloped – Planned by 2024

LOCATION/FACILITY/PROGRAM			Facility		Donovan Rd Planned Develop
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Picnic Shelters	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>		
	Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>		
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>			
	Boat Docks	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails		<input type="checkbox"/>	<input type="checkbox"/>		
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	
Program-ming	Are special programs at your facilities accessible?	Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired		<input type="checkbox"/>	<input type="checkbox"/>	
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	

### PARKING

# ADA Fullam Hill Rd – Undeveloped

LOCATION/FACILITY/PROGRAM			Facility		Fullam Hill Rd Undeveloped
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Picnic Shelters	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>
Located near accessible water fountains, trash can, restroom, parking, etc.		<input type="checkbox"/>	<input type="checkbox"/>		
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
Boat Docks	Access Routes	Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Fishing Facilities	Access Routes	Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
Program-ming	Are special programs at your facilities accessible?	Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	
		Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired	Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	

## PARKING

# ADA Kittridge Rd - Undeveloped

LOCATION/FACILITY/PROGRAM			Facility		Town Forest Kittredge Rd U
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Located adjacent to accessible paths		<input type="checkbox"/>	<input type="checkbox"/>		
Located near accessible water fountains, trash can, restroom, parking, etc.		<input type="checkbox"/>	<input type="checkbox"/>		
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides		<input type="checkbox"/>	<input type="checkbox"/>	
		Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
		Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
Boat Docks	Access Routes	Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Fishing Facilities	Access Routes	Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	
Program-ming	Are special programs at your facilities accessible?	Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired		<input type="checkbox"/>	<input type="checkbox"/>	
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	

## PARKING

# ADA Shore Rd - Undeveloped

LOCATION/FACILITY/PROGRAM			Facility		Shore Rd Undeveloped
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Picnic Shelters	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>		
	Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>		
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>			
	Boat Docks	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails		<input type="checkbox"/>	<input type="checkbox"/>		
Located adjacent to accessible paths		<input type="checkbox"/>	<input type="checkbox"/>		
Fishing Facilities	Access Routes	Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	
Program- ming	Are special programs at your facilities accessible?	Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired		<input type="checkbox"/>	<input type="checkbox"/>	
	Process to request interpretive services (i.e. sign language interpreter) for meetings		<input type="checkbox"/>	<input type="checkbox"/>	

## PARKING

# ADA Smith Hanson Rd - Undeveloped

LOCATION/FACILITY/PROGRAM			Facility		Smith Hanson Rd Undeveloped
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Picnic Shelters	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>		
	Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>		
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>			
	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>		
Boat Docks	Access Routes	Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Fishing Facilities	Access Routes	Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	
Program-ming	Are special programs at your facilities accessible?	Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired		<input type="checkbox"/>	<input type="checkbox"/>	
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	

## PARKING

# ADA West Brookfield Rd -Undeveloped

LOCATION/FACILITY/PROGRAM			Facility		West Brookfield Rd Undevel
Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Access to Open Spaces	<input type="checkbox"/>	<input type="checkbox"/>	
		Back and Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Adequate number	<input type="checkbox"/>	<input type="checkbox"/>	
	Grills	Height of Cooking Surface	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Trash Cans	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Picnic Shelters	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>		
	Located near accessible water fountains, trash can, restroom, parking, etc.	<input type="checkbox"/>	<input type="checkbox"/>		
Trails		Surface material	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
		Rails	<input type="checkbox"/>	<input type="checkbox"/>	
		Signage (for visually impaired)	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming Facilities	Pools	Entrance	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
		Safety features i.e. warning for visually impaired	<input type="checkbox"/>	<input type="checkbox"/>	
	Beaches	Location from accessible path into water	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Location from accessible parking	<input type="checkbox"/>	<input type="checkbox"/>	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	<input type="checkbox"/>	<input type="checkbox"/>	
		Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
	Access Routes	Enough space between equipment for wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Berm cuts onto courts	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Height	<input type="checkbox"/>	<input type="checkbox"/>	
		Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	
Spectator Seating	<input type="checkbox"/>	<input type="checkbox"/>			
	Boat Docks	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
Handrails		<input type="checkbox"/>	<input type="checkbox"/>		
Fishing Facilities	Access Routes	Located adjacent to accessible paths	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
	Equipment	Arm Rests	<input type="checkbox"/>	<input type="checkbox"/>	
		Bait Shelves	<input type="checkbox"/>	<input type="checkbox"/>	
		Handrails	<input type="checkbox"/>	<input type="checkbox"/>	
		Fish Cleaning Tables	<input type="checkbox"/>	<input type="checkbox"/>	
Program-ming	Are special programs at your facilities accessible?	Learn-to-Swim	<input type="checkbox"/>	<input type="checkbox"/>	
		Guided Hikes	<input type="checkbox"/>	<input type="checkbox"/>	
		Interpretive Programs	<input type="checkbox"/>	<input type="checkbox"/>	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired		<input type="checkbox"/>	<input type="checkbox"/>	
		Process to request interpretive services (i.e. sign language interpreter) for meetings	<input type="checkbox"/>	<input type="checkbox"/>	

## PARKING

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