



# Town of Sudbury

## Community Preservation Committee

<http://www.sudbury.ma.us>  
email: [cpc@sudbury.ma.us](mailto:cpc@sudbury.ma.us)

### PROJECT SUBMISSION FORM

Submitter: James Kelly

Group or Committee Affiliation (if any):

Submitter's address and phone number:

James Kelly, Facilities Director  
275 Old Lancaster Road  
Sudbury, MA 01776  
978-440-5466

Submission Date:

Purpose (please select all that apply):

- Open Space
- Community Housing
- Historic
- Recreation

Submitter's email address: [kellyj@sudbury.ma.us](mailto:kellyj@sudbury.ma.us)

Project Name: Playground Modernization for Sudbury Public Schools

Project Description: This project aims to bring the 4 elementary school playgrounds into compliance with ADA and MAAB accessibility requirements and develop a new outdoor area at the middle school. Concepts of Universal Design will be applied in order to create not just playgrounds, but multigenerational recreational spaces, so that the entire community can utilize and enjoy our school grounds.

Costs:

Fiscal Year	Total Project Cost	CPC Funds Requested	Other Funding Sources (amount and source)
2018	\$725,000	\$725,000	
2019	\$725,000	\$725,000 *	* Subject to change based on grants and fundraising.
2020	\$250,000	\$250,000 *	
<b>Total</b>	<b>\$1,700,000</b>	<b>\$1,700,000 *</b>	

How does this project meet the General Criteria and Category Specific Criteria for CPC projects (see attached)?

See attached documents below for more details.

Does this project fall within the jurisdiction or interest of other Town Boards, Committees or Departments? If so, please list the boards, committees or departments, whether applications and/or presentations have been made, and what input or recommendations have been given.

Town Facilities and Sudbury Public Schools. See attached documents for details.

For Community Preservation Committee Use:

Form received on: \_\_\_\_\_

Project presented to CPC on: \_\_\_\_\_

Reviewed by: \_\_\_\_\_

Determination: \_\_\_\_\_

## TOWN OF SUDBURY COMMUNITY PRESERVATION COMMITTEE

### Guidelines for Project Submission

- 1) Each project request must be submitted to the Community Preservation Committee using the Project Submission Form as a cover sheet. Applications should be submitted in twelve (12) multiple copies.
- 2) Requests must include a statement of need and be documented with appropriate support information. The use of maps, visual aids and other supplemental information is encouraged.
- 3) Obtain written proposals, estimates, quotes and such other evidence to document project scope and cost.
- 4) If the request is part of a multi-year project, include the total project cost and allocations.
- 5) Describe the endorsement, support or other recommendation, if any, by other Town Boards, Committees and Departments.
- 6) Provide examples of similar project proposals in other communities, if any, including examples of project scope, project cost and status of completion.
- 7) For applicants that have multiple project requests, please prioritize projects.
- 8) Requests must be received by **Monday, November 7, 2016** to be considered for recommendation at the May 2017 Annual Town Meeting.
- 9) Applicants must be present at a CPC meeting to answer questions. The CPC meeting schedule will be announced in October, 2016 and posted on the town's website.

Please keep in mind that there are legal limitations on the use of CPA funds. Additional information on the CPA and the Community Preservation Committee can be found on the town's website at [www.sudbury.ma.us](http://www.sudbury.ma.us), under Committees. The committee can be reached by email at [cpc@sudbury.ma.us](mailto:cpc@sudbury.ma.us). If you are in doubt about your project's eligibility, after consulting these sources, you are encouraged to submit an application so that the Committee can determine eligibility.

Please submit the Project Submission Form and accompanying documentation to:

Community Preservation Committee  
c/o Planning and Community Development Office  
Flynn Building  
278 Old Sudbury Road  
Sudbury, MA 01776  
[cpc@sudbury.ma.us](http://cpc@sudbury.ma.us)

# TOWN OF SUDBURY COMMUNITY PRESERVATION COMMITTEE

## General Criteria

The Sudbury Community Preservation Committee will give preference to proposals that address as many of the following general criteria as possible:

- Are eligible for Community Preservation Act (CPA) funding according to the requirements described in the CPA legislation;
- Are consistent with the town's Master Plan, Open Space and Recreation Plan, Land Use Priorities Committee Report, Town-wide Comprehensive Facility Study, Community Housing Plan, and other planning documents that have received wide scrutiny and input and have been adopted by the town;
- Receive endorsement by other municipal boards or departments.
- Preserve the essential character of the town as described in the Master Plan;
- Save resources that would otherwise be threatened and/or serve a currently under-served population;
- Either serve more than one CPA purpose (especially in linking open space, recreation and community housing) or demonstrate why serving multiple needs is not feasible;
- Demonstrate practicality, feasibility, urgency;
- Demonstrate that the project can be implemented expeditiously and within budget;
- Demonstrate that project alternatives, and alternative funding mechanisms, have been fully explored;
- Produce an advantageous cost/benefit value;
- Leverage additional public and/or private funds; and
- Preserve or utilize currently owned town assets.

## Category Specific Criteria

**Open space** proposals that address as many of the following specific criteria as possible will receive preference:

- Permanently protect important wildlife habitat, including areas that:
  - are of local significance for biodiversity;
  - contain a variety of habitats, with a diversity of geologic features and types of vegetation;
  - contain a habitat type that is in danger of vanishing from Sudbury; or
  - preserve habitat for threatened or endangered species of plants or animals;
- Preserve Sudbury's rural and agricultural character;
- Provide opportunities for passive recreation and environmental education;
- Protect or enhance wildlife corridors, promote connectivity of habitat or prevent fragmentation of habitats;
- Provide connections with existing trails or potential trail linkages;
- Preserve scenic views;
- Border a scenic road;
- Protect drinking water quantity and quality;
- Provide flood control/storage;
- Preserve important surface water bodies, including wetlands, vernal pools or riparian zones; and
- Preserve a parcel identified in the 2009-2013 Open Space and Recreation Plan.

**Historical** proposals that address as many of the following criteria as possible will receive preference:

- Protect, preserve, enhance, restore and/or rehabilitate historic, cultural, architectural or archaeological resources of significance, especially those that are threatened; and in the case of proposals on private property, the proposal and/or proponent meet certain economic criteria as may be required by the Community Preservation Committee;
- Protect, preserve, enhance, restore and/or rehabilitate town-owned properties, features or resources of historical significance;
- Protect, preserve, enhance, restore and/or rehabilitate the historical function of a property or site; • Project is within a Sudbury Historic District, on a State or National Historic Register, or eligible for placement on such registers, or on the Sudbury Historic Properties Survey;
- Project demonstrates a public benefit; and
- Project demonstrates the ability to provide permanent protection for maintaining the historic resource; and in the case of proposals on private property, the proposal and/or proponent have demonstrated additional protective measures and have met additional criteria, as may be imposed by the Community Preservation Committee, to ensure the continued permanent protection of the historic resource.

**Community Housing** proposals that address as many of the following criteria as possible will receive preference:

- Contribute to the goal of 10% affordability;
- Conform to the town's Housing Production Plan;
- Promote a socioeconomic environment that encourages a diversity of income;
- Provide housing that is harmonious in design and scale with the surrounding community; • Intermingle affordable and market rate housing at levels that exceed state requirements for percentage of affordable units; • Ensure long-term affordability;
- Promote use of existing buildings or construction on previously-developed or Town-owned sites;
- Convert market rate to affordable units; and
- Give priority to local residents, Town employees, and participants in the Sudbury METCO program.

**Recreation** proposals that address as many of the following criteria as possible will receive preference:

- Support multiple recreation uses;
- Serve a significant number of residents;
- Expand the range of recreational opportunities available to Sudbury residents of all ages;
- Jointly benefit Conservation Commission and Park and Recreation Commission initiatives by promoting passive recreation, such as hiking, biking, and cross-country skiing, on town owned property;
- Maximize the utility of land already owned by Sudbury (e.g. school property); and
- Promote the creative use of railway and other corridors to create safe and healthful non-motorized transportation opportunities.

## **The Need**

Despite being meticulously maintained, the Sudbury School playgrounds are outdated. The surfaces are not up to Massachusetts Architectural Access Board (MAAB) standards, and much of the equipment is not ADA compliant and nearing end-of-life. Due to lack of accessibility, some students are being denied an equal opportunity to participate in outdoor play activities. In order to provide a safe, accessible play environment for our children to grow and thrive, something needs to be done.

Fortuitously, because of the nature of playgrounds as a place for congregating, exploring, and exercising, there is a unique opportunity to make these playgrounds appealing not only to students, but also to a wider community of all ages. Accessible surfaces for a student with a mobility device are also impact-friendly surfaces for an older person with knee and hip issues. Shade and tables can not only provide respite for children at play, but can also serve as a congregation point for caregivers and an outdoor meeting place for all citizens.

In Sudbury, 32% of the population is under the age of 18. That's significantly higher than the average in Massachusetts, which is 21% (2010 US Census). This fact emphasizes the need to provide a selection of safe, modern play and gathering places. Currently the only accessible playground in town is the SMILE playground at Haskell Field. Creating accessible playgrounds at each of the local schools will provide recreation opportunities for disabled individuals and their playmates and caregivers in their own neighborhoods.

Furthermore, currently 21% of the population in Sudbury is over 60, and this is projected to grow to 32% in the next several years. We need to be proactive and think about how our playgrounds can also enhance the available outdoor recreation spaces for our aging population. By using Universal Design strategies, PlaySudbury is committed to finding ways to create features in our playgrounds which can also benefit our aging community.

## **CPC General Criteria**

### ***Are eligible for Community Preservation Act (CPA) funding according to the requirements described in the CPA legislation***

The Playground Modernization Project falls under both the Recreation and Open Space categories of CPA eligible projects.

In line with the Recreation purpose, we are rehabilitating the outdoor recreation areas at all of the elementary schools to replace items reaching end-of-life and also to improve the areas to comply with ADA regulations.

We are also preserving the playground lands for recreation use as described by the Open Space purpose, and by maintaining the recreation space we are maintaining the scenic vistas from the Scenic Roads, Woodside Road and Concord Road.

### ***Receive endorsement by other municipal boards or departments***

See attached Letter of Support from Sudbury Public Schools, Early Childhood Administrator

***Save resources that would otherwise be threatened and/or serve a currently under-served population***

As of March 2011, play areas need to be compliant with ADA standards. Our current elementary school playgrounds are not ADA or MAAB (Massachusetts Architectural Access Board) compliant for access. This project will remove barriers for children with disabilities so that they can fully participate on the playground and develop physically, socially, and emotionally alongside their peers.

***Either serve more than one CPA purpose (especially in linking open space, recreation and community housing) or demonstrate why serving multiple needs is not feasible***

The Playground Modernization Project serves both the Recreation and Open Space purposes of the CPA as described above in a previous section. ***(Are eligible for Community Preservation Act (CPA) funding according to the requirements described in the CPA legislation)***

***Demonstrate practicality, feasibility, urgency***

***Demonstrate that the project can be implemented expeditiously and within budget***

- By applying for funding at the October 2017 Fall Town Meeting, we should have sufficient time to create construction plans to break ground on the first playgrounds (Haynes and Noyes) in Spring 2018 with a goal of completion for the start of the 2018-2019 school year.
- By subsequently applying for funding at the October 2018 Fall Town Meeting, we aim to start construction on the next playgrounds (Nixon and Loring) in Spring 2019 with a goal of completion for the start of the 2019-2020 school year.
- Final funding will be applied for at the October 2019 Fall Town Meeting with a goal of completing construction of the final playground (Curtis) for the start of the 2020-2021 school year.

PlaySudbury is a volunteer group consisting of parents, grandparents, educators, and community members who share the goal of bringing the Sudbury Public School playgrounds up to ADA compliance and using the concepts of Universal Design to benefit the entire community. Of particular note, the leadership team of SMILE Mass is on PlaySudbury's advisory board and brings extensive expertise in accessibility as well as playground design and construction. SMILE Mass brought the first fully accessible playground to the MetroWest region, and PlaySudbury hopes to extend that vision to the Sudbury Public School playgrounds.

The PlaySudbury team believes that every child deserves equal access to their neighborhood school playground. With full support from the Town of Sudbury and the Sudbury Public Schools and the expertise and experience in accessibility that SMILE Mass brings, PlaySudbury is confident that we can successfully modernize the Sudbury Public School playgrounds. Together we must advocate for children with disabilities to have the resources that they need in their home districts, so that they can actively participate in their communities inside and outside of the school walls.

***Demonstrate that project alternatives, and alternative funding mechanisms, have been fully explored***

Prior to the May 2017 Town Meeting, the Board of Selectmen and CIAC suggested that CPA funds would be a good match for this playground project.

***Leverage additional public and/or private funds***

Over the years, the PTOs have donated large and small play structures, benches, and trees to the school playgrounds. Various 5th grade classes have gifted tables and trees to the playgrounds. SERF grants have provided various play equipment. Individual donors and other groups have also donated items like benches and trees.

The scope of modernizing the playgrounds is larger than what the PTOs and individuals can contribute.

We are exploring various cost mitigation strategies. We are developing a general fundraising program to do peer-to-peer fundraising and solicit donations from businesses in town. Discussions are starting for possible in-kind donations such as unique play equipment from the Boy Scouts and relevant services like materials and labor from construction businesses. And, finally, we are applying to various grant opportunities.

PlaySudbury and SMILE Mass are both dedicated to bettering the Sudbury community through accessibility and play. This synergy brought the teams together for this Playground Modernization Project. As a result, SMILE Mass, a registered 501(3)(c) organization, is acting as the fiscal sponsor of PlaySudbury. This enables PlaySudbury to collect tax-deductible donations under the SMILE Mass umbrella.

Over the next year (FY 2018) we will start to see the results of our strategies. And with a better understanding of how much money we can raise, we will be able to adjust the CPA funds request for subsequent years (FY 2019 and FY 2020).

***Preserve or utilize currently owned town assets***

We are utilizing young playground components which are in good condition into our design. We are preserving the precious natural features (shade trees) that already enhance our current playgrounds.

**CPC Category Specific Criteria**

***Support multiple recreation uses***

- Playground for use by Sudbury Public School students during school hours
- Playground for use by families during non-school hours (before and after school, on the weekends, during school vacations, and in the summer)
- Track and Exercise equipment for the community

- Picnic Gathering areas with shade available to the community

***Serve a significant number of residents***

- Just under 50% of the households in Sudbury have children. All of these families will benefit from the modernization of the playgrounds.
- Currently 21% of the population is over 60 years of age, and this percentage is projected to increase to 32% over the next several years. New elements are being introduced to the playgrounds to serve this wider community.
  - An impact-friendly track around the perimeter that could be utilized by people of all ages and varying mobility abilities and health considerations.
  - Exercise equipment is also being considered.
- Currently the only accessible playground is the SMILE playground at Haskell Field. Creating accessible playgrounds at each of the local schools will provide neighborhood recreation opportunities for disabled individuals and their playmates.

***Expand the range of recreational opportunities available to Sudbury residents of all ages***

- The rubberized surfacing for the playground can serve an additional purpose as a forgiving walking/running path for the entire community.
- Particularly in neighborhoods with limited sidewalks, the perimeter tracks around the play areas can serve as new outdoor exercising opportunities for members of our community of all ages and abilities.
- Accessible swings can also serve a dual purpose as those swings can be utilized by younger children (who may not yet be big enough for belt swings).
- Shaded tables and benches are another feature that can be used by all members of the community as a gathering place on weekends and other non-school hour times.

***Jointly benefit Conservation Commission and Park and Recreation Commission initiatives by promoting passive recreation, such as hiking, biking, and cross-country skiing, on town owned property***

- The proposed tracks around the perimeter of the playgrounds provide a safe outdoor hiking/walking/strolling opportunities for all ages and abilities.
- Their locations at the schools geographically spreads these opportunities evenly throughout our community.

***Maximize the utility of land already owned by Sudbury (e.g. school property)***

By creating not just playgrounds, but multigenerational recreational spaces, we are enabling the entire community to utilize and enjoy our school grounds.



# *Sudbury Public Schools*

40 Fairbank Road  
Sudbury, Massachusetts 01776  
(978) 639-3204  
Fax (978) 443-9001



**Stephanie M. Juriansz**  
Early Childhood Administrator

July 11, 2017

To Whom It May Concern:

As the Early Childhood Administrator for the Sudbury Public Schools, it is my pleasure to write a letter of support for the Sudbury Playground Project Proposal. As the Early Childhood Administrator, I am greatly aware of the school district's needs and the effect decisions have on student learning outcomes. With new state regulations and a variety of ability needs within our community, it is exciting to be involved in the planning for the updating and modifying of the play facilities in Sudbury.

Each school shares the same goal: to have a playground that maximizes accessibility and inclusivity to all. Currently, there is a need to improve this, and the town has recognized this on the Town Capital Plan. On behalf of the Integrated Preschool Team, there is great educational support for this project to be done in a thoughtful way. Each school's unique requests and layout considerations will be considered and respected. The areas of need will be developed while the areas to celebrate will be maintained and supported.

This project will benefit the entire town community. With safe, inclusive and accessible playgrounds, all families will be able to utilize and benefit from this project. This playground project will support the growth and development of our youngest citizens while providing maximized opportunities for social emotional learning at every age.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stephanie Juriansz', is written over a white background.

Stephanie Juriansz  
Sudbury Public Schools  
Early Childhood Administrator



August 3, 2017

To Whom It May Concern:

As the Director and CFCE Grant Coordinator for First Connections, it is my pleasure to write a letter of support for the Sudbury Public Schools Playground Modernization Project. First Connections is a Coordinated Family and Community Engagement Program primarily funded by the Department of Early Education and Care. We serve families with children birth through age 8 in Sudbury and 10 surrounding communities. Our priority is to connect with all families, especially those most at risk. Our goal is to support them through parent child playgroups, parent education seminars and connect them to resources and programs that facilitate developmentally appropriate play for young children.

The goal of this initiative is to have the playgrounds be ADA accessible and follow the spirit of Universal Design to benefit citizens of all ages and abilities. This encourages play in both a naturalistic and traditional environment, allowing anyone with disabilities to be a part of a community area and develop physically, socially and emotionally. Children and people without disabilities will have an opportunity to develop tolerance, awareness and compassion for others in a fun and socially positive atmosphere.

The importance of having a safe and accessible playground space for children and families to play and meet is a critical need for families in the Sudbury area. These new playgrounds would meet the needs of families who may not have access to an appropriate playground and support the work of First Connections. Fully accessible playgrounds where families could go and that would encourage and support their child's development and build social connections would be an invaluable resource for families in the Sudbury Community.

It is without hesitation that I write this letter of support for the Sudbury Public Schools Playground Modernization Project. Please do not hesitate to contact me directly if you need any further information.

Sincerely,  
Mary Beilman, MA ECSE, CLC  
First Connections Director/CFCE Grant Coordinator  
978-429-8284



**ARTICLE 12.                    SUDBURY PUBLIC SCHOOLS PLAYGROUND MODERNIZATION**

To see what sum the Town will vote to raise and appropriate, or transfer from available funds, or appropriate from Community Preservation Act Funds funded from FY18 Revenue and allocated from the recreation category; to be expended under the direction of the Facilities Director for the purpose of constructing, reconstructing, or making extraordinary repairs to the Sudbury Public Schools Playgrounds; and all expenses therewith including professional and engineering, the preparation of plans, specifications and bidding documents, and supervision of work; or act on anything relative thereto.

Submitted by the Facilities Director.

(Majority vote required)

**FACILITIES DIRECTOR REPORT:** This article seeking funding is presented for the purpose of addressing the playground condition at one or more of the schools as part of the process to improve the School playgrounds initiated by the Facilities Department with consultation from the Sudbury Public Schools Administration. A citizens group, PlaySudbury, was formed to help with design and community involvement working toward modernizing the school playgrounds.

This initial article seeking funding for playground improvement is part of a multi-year project goal, which, in its totality, will bring the four elementary school playgrounds into compliance with ADA and MAAB accessibility requirements and develop a new outdoor area at the middle school. These projects will involve playground improvement at the Haynes and Noyes Elementary School, an update to the playgrounds at Nixon and Loring, and creation of a space at the Curtis Middle School. Fundraising, grant applications, and in-kind donations are currently being pursued by PlaySudbury in the hopes of mitigating the costs of these improvements.

It is intended to apply concepts of Universal Design in order to create not just playgrounds, but multigenerational recreational spaces so that the entire community can utilize and enjoy our school grounds.

As PlaySudbury states, every student deserves equal access to their school playground. Despite being meticulously maintained, the Sudbury School playgrounds are outdated. The surfaces are not up to Massachusetts Architectural Access Board (MAAB) standards, and much of the equipment is not ADA compliant and nearing end-of-life. Due to lack of accessibility, some students are being denied an equal opportunity to participate alongside their peers in outdoor play activities. In order to provide a safe, accessible play environment for our children to grow and thrive, something needs to be done.

Both the SPS School Committee and the Community Preservation Committee have scheduled this matter for discussion at meetings prior to the Special Town Meeting.

# Playground Modernization for Sudbury Public Schools

A photograph of a modernized playground. In the foreground, a large green canoe-shaped slide sits on a bed of wood chips. Behind it is a complex wooden play structure with multiple slides, platforms, and climbing areas. To the left, a soccer goal is visible on a grassy field. The background is filled with lush green trees under a clear blue sky.

October 2017

Play is often talked about as if it were a relief from serious learning. But for children, play is serious learning.

- Mr. Rogers



# Background

- Our playground structures are reaching end-of-life
  - The typical lifespan of playground equipment is about 10-15 years.
  - Most of the structures in the SPS playgrounds were installed in 2001.
- Our playgrounds are not ADA/MAAB compliant
  - ADA regulations for playgrounds became effective March 15, 2011.
  - All play areas should be in compliance with these standards by March 15, 2014 (3 year grace period).
  - There is no Grandfather Clause.



# Surfacing

- Current Wood Chips do not meet Massachusetts Architectural Access Board (MAAB) requirements for an accessible surface (521 CMR 29)
- Poured-in-Place Surfacing
  - Universally accessible poured rubber playground surfacing system
  - 2- layered rubber-urethane system designed to American Standard Test Methods (ASTM) standards for shock attenuation, tensile strength, tear resistance and accessibility
  - Meets MAAB requirements for an accessible surface
- Expected lifetime of Poured-in-Place surface is 10-15 years
  - Requires little long term maintenance
  - Can be re-topped at a fraction of the complete cost





# Surfacing - Maintenance

- Maintenance of Poured-in-Place surface
  - Broom/Vacuum leaves, trash.
  - Warranty against defects - at least 5 years.
  - After 8-10 years
    - Recommended to apply a clear binder to the surface
      - ~\$10k per playground (less if we apply ourselves)
  - Maintenance Cost for 15 years - ~\$40k
- Maintenance of wood chips
  - \$23k / year \* 15 years = \$345k
- Yearly savings in School Operating Budget
  - ~\$20k per year



# Equipment

- Replace big structures which are not ADA compliant.
  - See [website for complete ADA assessment.](#)
  - Keep new Playstructure 1 at Nixon
- Keep most other standalone equipment
  - Wave climber, Monkey bars, Spinners, Buddy Benches, Ziplines, Jumping events, Climbing events, Sand Table, Storefront, Tables, Shades, Swings, Tiltmaze



# Master Plan Timeline

- Summer 2018
  - Upgrade Haynes Playground
- Summer 2019
  - Upgrade Noyes, Nixon, and Loring Playgrounds
  - Note: Coordinate Loring Playground upgrade with Loring Parking Lot project.

# Cost

	2018	2019	Totals	
Cost	\$ (275,776.50)	\$ (1,070,575.00)	\$ (1,346,351.50)	
Fundraising for Additional Surfacing		\$ 50,000.00	\$ 50,000.00	
Buy-a-Brick	\$ 5,000.00	\$ 15,000.00	\$ 20,000.00	
Private Donations	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	
Business Donations	\$ 5,000.00	\$ 10,000.00	\$ 15,000.00	
Grants				
Massachusetts Office on Disabilities (MOD) *	See Note Below	\$ 100,000.00	\$ 100,000.00	
Sudbury Foundation		\$ 200,000.00	\$ 200,000.00	
Other		\$ 20,000.00	\$ 20,000.00	30.45%
<b>Need</b>	<b>\$ (263,276.50)</b>	<b>\$ (673,075.00)</b>	<b>\$ (936,351.50)</b>	
<b>Request from Town (CPA or other sources)</b>	<b>\$ 275,000.00</b>	<b>\$ 665,000.00</b>	<b>\$ 940,000.00</b>	69.82%
Net	\$ 11,723.50	\$ (8,075.00)	\$ 3,648.50	



# New Proposal Reductions

<b>Previous Proposal</b>	<b>\$ 1,700,000.00</b>
<b>Reduction</b>	<b>\$ 760,000.00</b>
<b>New Proposal</b>	<b>\$ 940,000.00</b>

## Breakdown of the Reductions:

~ \$50k	1) Fundraising for 1/2 of the cost of the additional surfacing beyond MAAB/ADA requirements.
~\$100k	2) Lowered Architectural Design / Bid Doc costs - After further discussion with vendors and other project leads (Concord), we were able to bring this down.
~\$250k	3) Took out the proposal for Curtis Middle School - Hopefully we can address this in a project in the future.
~\$35k	4) Took out Site Amenities - Tables and Shades and Exercise Equipment
~\$320k	5) Added projections for larger grants
	- The MOD grant will require the Town to do ADA assessment work this year.
	- The Sudbury Foundation grant number is what we will propose to them. We will apply in Oct and will hear their decision in the winter.
~\$15k	6) Increased General Fundraising (non-grant)

It is a happy talent to know how to play.

- Ralph Waldo Emerson

Play is the highest form of research.

- Albert Einstein



Thank You!



# Appendix

- Comparable Projects
- Survey
- Cost per playground
- Cost Mitigation Strategies
- Detailed Proposals
- Regulatory Requirements - Highlights only
- Minimum Surfacing Requirements



# Comparable Projects - Details

- Framingham - Cushing Memorial Park Children's Grove
  - \$665,000
  - \$265,000 from Town funds, \$400,000 from PARC grant
  - 13,411 SqFt
  - Approximately \$50 per SqFt
  - Project completed 2015
- Concord Integrated Pre-School Playground
  - \$360,000
  - Approximately \$180k from Town funds, \$180k from Fundraising
  - 8,880 SqFt
  - Approximately \$41 per SqFt
  - Construction started Summer 2017
- Maynard Fowler School
  - \$115,000
  - Mostly Town CPC Funds
  - 2,800 SqFt
  - Approximately \$41 per SqFt
  - Project completed 2015



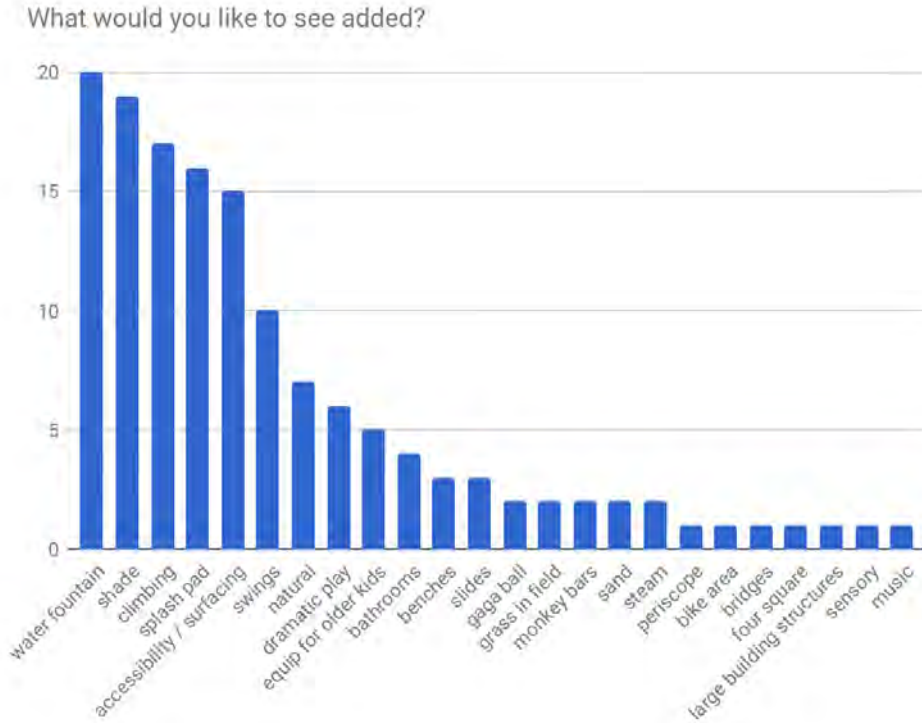
Concord Integrated Pre-School



Maynard Fowler School



# Survey Results



- Top 5 requests
  - Water Fountain
  - Shade
  - More Climbing Features
  - Splash Pad
  - Accessibility and Better Surfacing

# Cost

	Summer 2018	Summer 2019		
	Haynes	Noyes	Nixon	Loring
<b>Playstructures (Little Tikes)</b>	\$ 88,500.00	\$ 156,954.72	\$ 69,160.00	\$ 94,120.00
<b>Surfacing</b>	\$ 171,937.50	\$ 223,145.52	\$ 251,769.44	\$ 227,285.24
<b>Hardscapes</b>	\$ 300.00	\$ -	\$ 1,369.68	\$ -
<b>Site Amenities</b>	\$ -	\$ -	\$ -	\$ -
NJPA Discount	\$ (52,087.50)	\$ (76,020.05)	\$ (64,185.89)	\$ (64,281.05)
Installation	\$ 35,400.00	\$ 62,781.89	\$ 27,664.00	\$ 37,648.00
SubTotal	\$ 244,050.00	\$ 366,862.08	\$ 285,777.23	\$ 294,772.19
10% Contingency, Bid Docs, Architect Fees	\$ 31,726.50	\$ 47,692.07	\$ 37,151.04	\$ 38,320.38
<b>Total</b>	<b>\$ 275,776.50</b>	<b>\$ 414,554.15</b>	<b>\$ 322,928.27</b>	<b>\$ 333,092.58</b>

Summer 2018 - Total	Summer 2019 - Total	Grand Total
\$ 275,776.50	\$ 1,070,575.00	\$ 1,346,351.50



# Cost Mitigation

- NJPA - National Joint Powers Association
  - Cooperative Purchasing (Discount, Free shipping)
- Fundraising
  - Buy-a-Brick, Create-a-Garden-Stone
  - Naming Opportunities
  - In-Kind donations - Eagle Scout Projects, Vocational School Projects
- Grant Possibilities
  - Cummings Foundation, Sudbury Foundation, CNHA7metrowest
  - Lowe's Community Partners, Shaw's Foundation
- SMILE Mass is our fiscal sponsor. We can operate under their 501(3)(c) umbrella for tax exempt fundraising.



# Cost Mitigation - Grant Opportunities

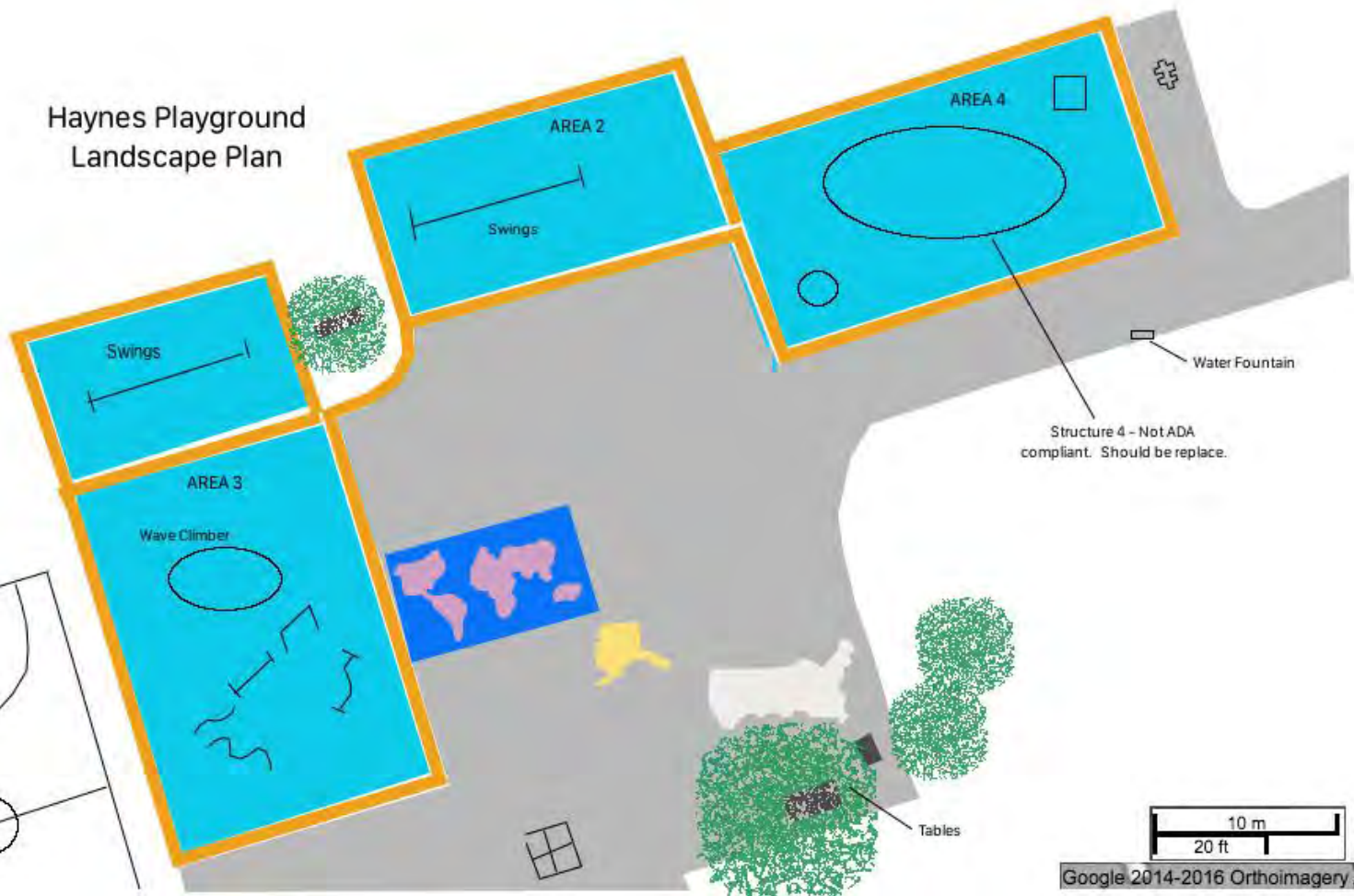
- Cummings Foundation (Possible \$100,000)
- Sudbury Foundation
- Massachusetts Office of Disability (up to \$250,000) - Town needs to take some other steps first.
- Lowes Community Partners Grant (\$5,000 - \$25,000)
- CNHA7 MetroWest
- Shaw's Foundation
- SERF
- Home Depot (Up to \$5000 given in the form of gift cards to purchase items from Home Depot)
- RiteAid - KidCents
- Northern Bank
- TD Bank
- Bank of America



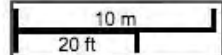
# Haynes Proposal

- Poured-in-Place Surfacing
  - Replace existing wood chips
- Replace the Playstructure in Area 4
  - Built in 2001. It's over 15 years old.
  - Not ADA compliant.
- Reposition Swings
  - They are extremely far away, making supervision difficult
- Keep all existing equipment except for the big structure.
  - Wave climber, Monkey bars, Spinner, Jumper, Buddy Benches, Tables

# Haynes Playground Landscape Plan



Structure 4 - Not ADA compliant. Should be replace.



Google 2014-2016 Orthoimagery

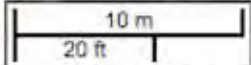
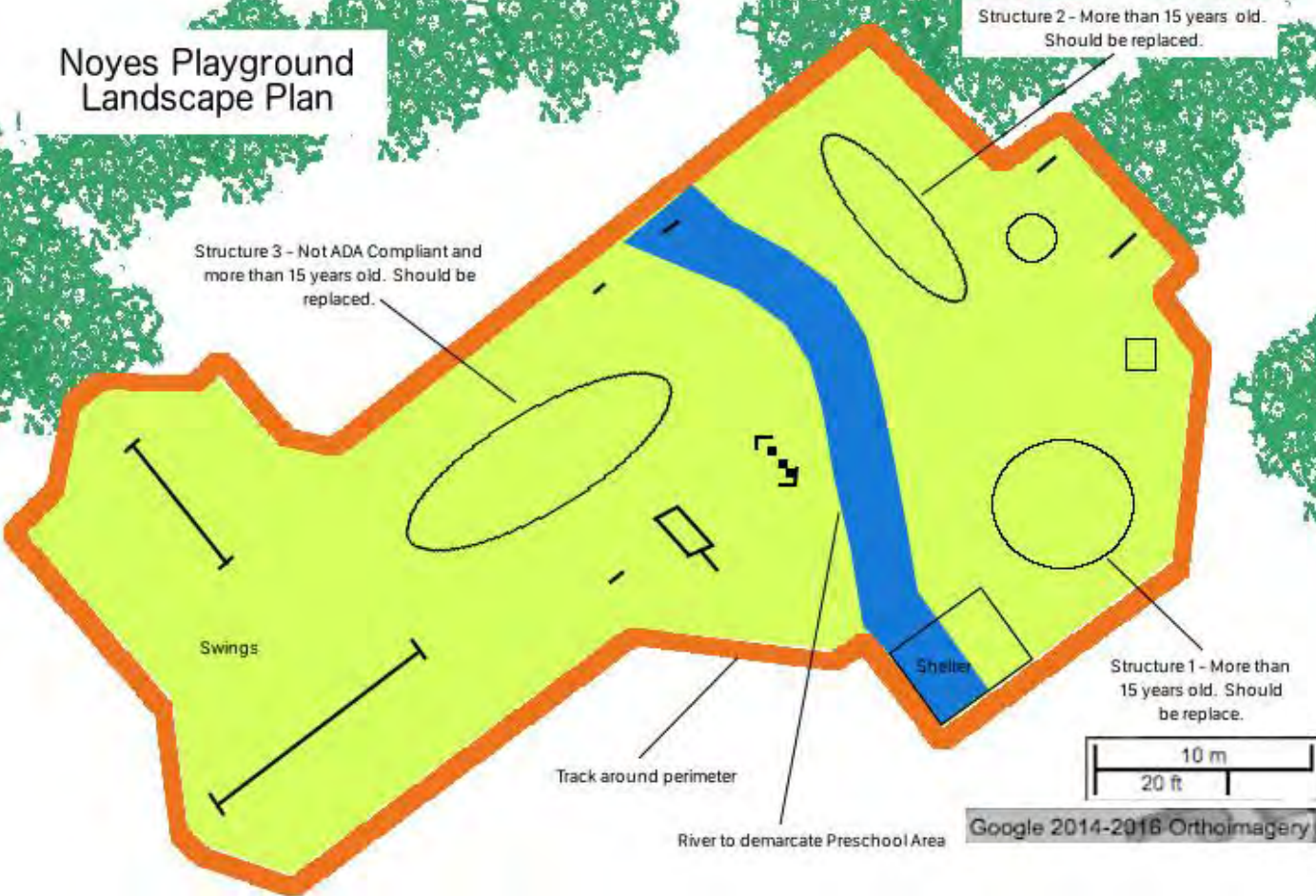


# Noyes Proposal

- Poured-in-Place Surfacing
  - Replace existing wood chips
- Replace the Playstructures 1, 2, and 3
  - Built in 2001. They are over 15 years old.
  - Playstructures 2 and 3 are not ADA compliant.
- Blue “river” to demarcate the Preschool Area
- Keep all existing individual play equipment except big structures.
  - Spinner, Sand Table, Jumping events, Storefront, Tables, Shades, Climbing events, Swings, Buddy Benches



# Noyes Playground Landscape Plan



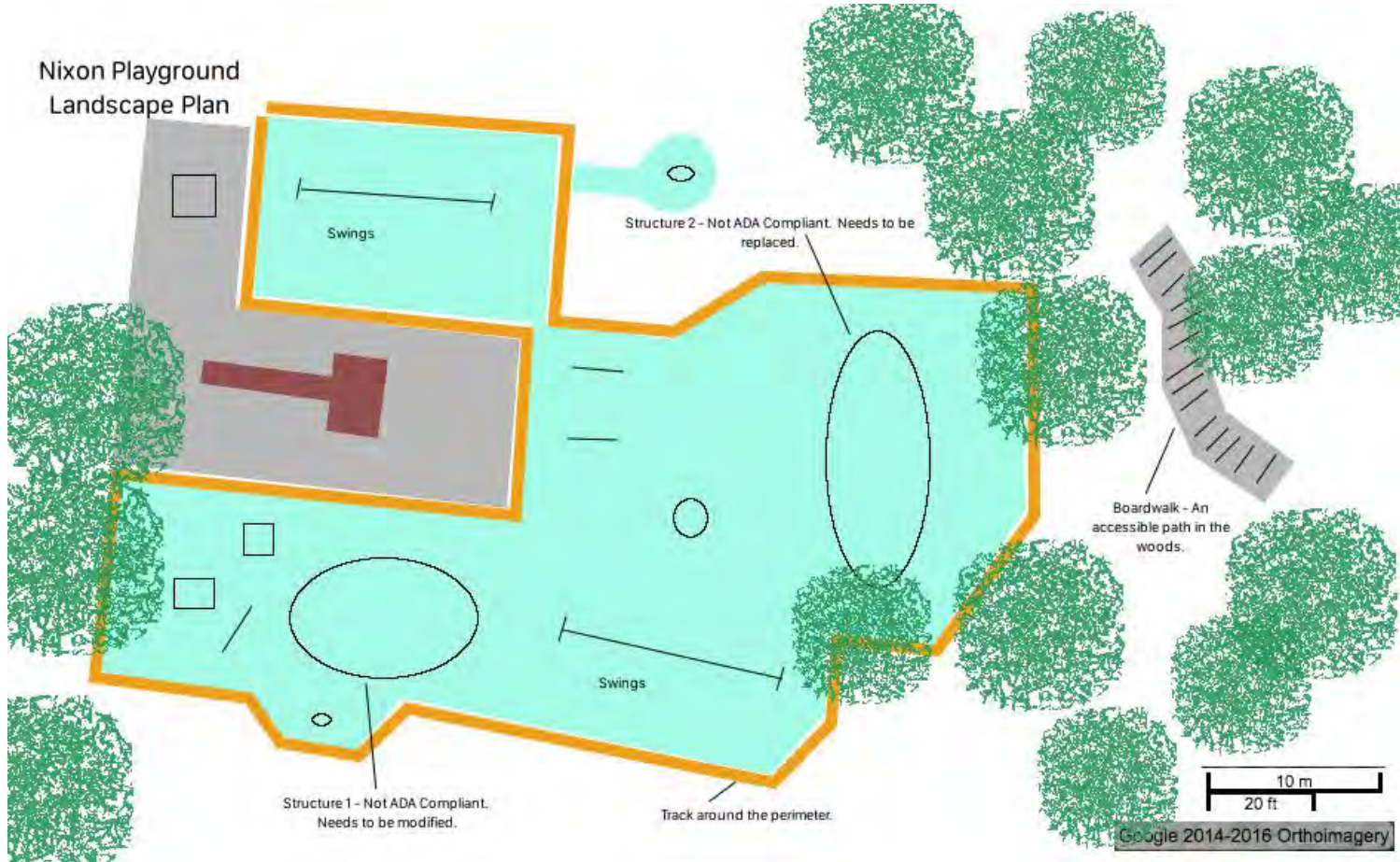
Google 2014-2016 Orthoimagery



# Nixon Proposal

- Poured-in-Place Surfacing
  - Replace existing wood chips
- Replace the Playstructure 2
  - Unsure of construction date.
  - Playstructure 2 is not ADA compliant
- Keep all existing play equipment except Playstructure 2
  - Playstructure 1, Ziplines, Spinner, Jumping events, Climbing events, Buddy Benches

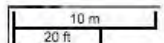
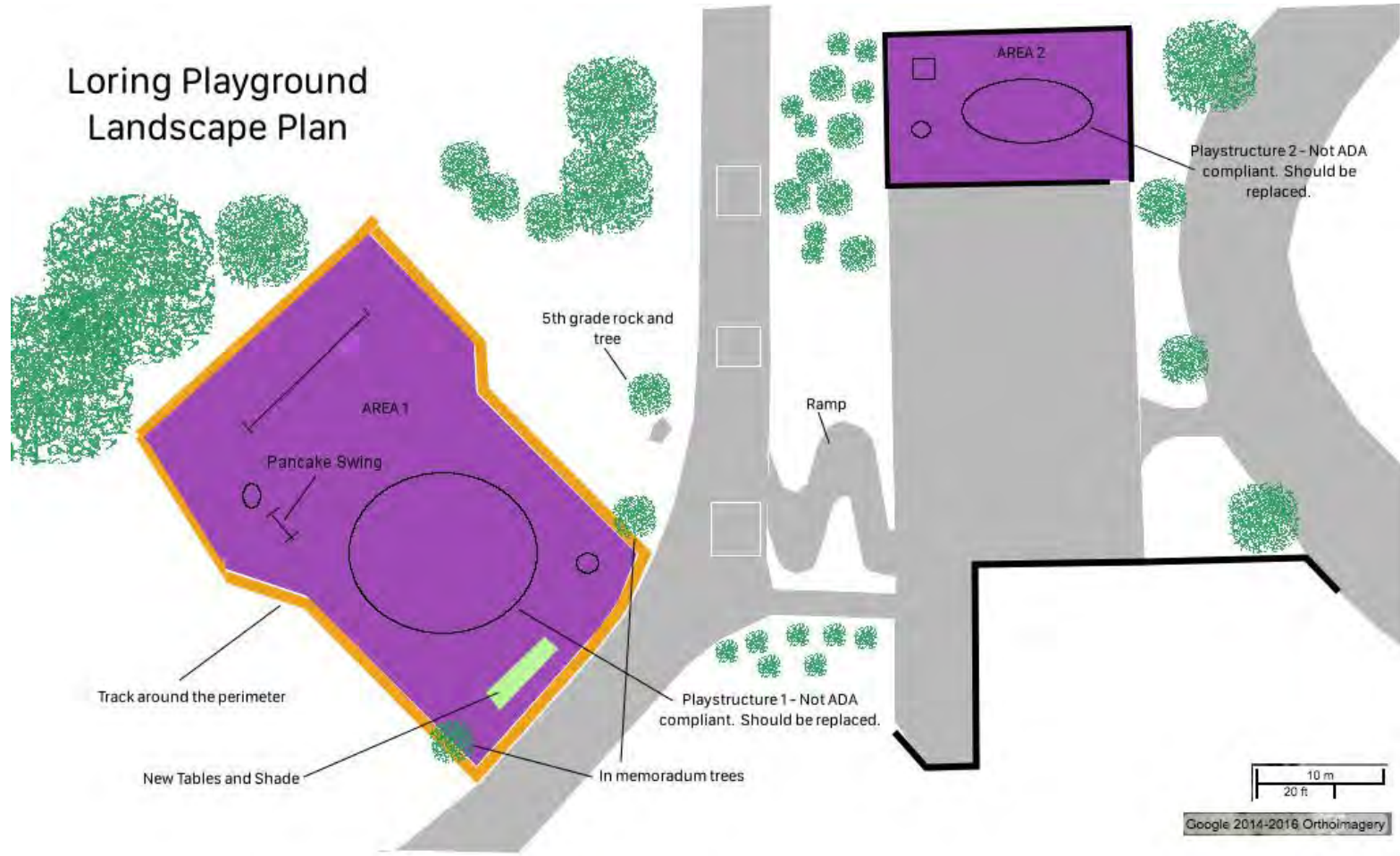
# Nixon Playground Landscape Plan



# Loring Proposal

- Poured-in-Place Surfacing
  - Replace existing wood chips
- Replace the Playstructures
  - Built in 2001. It's over 15 years old.
  - Playstructure 1 and 2 are not ADA compliant.
- Replace standalong equipment in PlayArea 2.
- New pancake swing
- Keep Swings, Spinner, Tiltmaze, Benches, Table

# Loring Playground Landscape Plan



Google 2014-2018, Orthoimagery



# Regulations for Playgrounds

- ADA - Americans with Disabilities Act
  - [ADA Title II Regulations](#)
- US Access Board
  - [US Access Board - Guidelines and Standards](#)
  - [US Access Board - A Summary of Guidelines for Accessible Play Areas](#)
- MAAB - Massachusetts Architectural Access Board
  - [CMR 521 - Code of Massachusetts Regulation: Architectural Access Board](#)
  - Relevant sections are Section 19, 20, 22, 29.
- ASTM
  - ASTM F 1487-01 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use
  - ASTM F 1292-04 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment



# Regulatory Requirements

## Accessible Routes

- An accessible route must be provided to each piece of play equipment and around the perimeter of the playground.
- The surface of the accessible route must meet the "firm, stable, and slip resistant" criteria as defined by the Massachusetts Architectural Access Board (MAAB).
  - Engineered wood fiber, though advertised as meeting the requirements of the ADA, is **not** permitted for use on accessible routes required by the MAAB.
  - Poured-in-Place surfacing meets both MAAB accessible route requirements and the fall safety requirements imposed by other regulations (ASTM).



# Regulatory Requirements

## Clear Floor and Ground Space

- A clear ground space of 30 inches by 48 inches is required to approach a play event at ground level.

## Maneuvering Space

- A 60 inch circle or 60 inch T-Shaped turn is required to facilitate turning with a wheelchair or mobility device.

## Entry Points and Seats

- Entry levels for swings, tunnels, and similar play events should range between 11 inches to 24 inches.





# Regulatory Requirements

## Use Zones

- There is a minimum use zone of 6' in all directions for all equipment.
- Rocking/springing equipment intended for users to stand upon is no less than 7'.
- Overlapping
  - Use zones for adjacent pieces of play equipment may overlap if the adjacent designated play surfaces are less than 30" above the protective surface.
  - If either adjacent structure exceeds 30", the minimum distance between the structures should be 9'.
  - Swings, slide exits, and moving equipment other than less than 30" high rocking equipment shall not overlap use zones. (CPSC 5.1.1, ASTM 9.2.1, 9.5.2.1).



# Regulatory Requirements

## Use Zones (continued)

- Swings

- Swings with enclosed swing seat or bucket, use zone to the front and to the rear shall be a minimum distance of  $2W$ , where  $W$  equals the distance from the top of the occupant's sitting surface to the pivot-point on the swing (CPSC 5.1.3, ASTM 9.4.1.2).
- Belt swing's use zone to the front and to the rear shall be a minimum distance of  $2X$ , where  $X$  equals the distance from the top of the protective surface to the pivot point on the swing (CPSC 5.1.3, ASTM 9.4.1.1).
- The use zone for a rotating swing (tire swing) shall be a minimum of 6' in all directions of the support structure plus a minimum horizontal distance in all directions equal to the distance between the pivot point to the top of seat plus 6'. (CPSC 5.1.3, 5.1.4, ASTM 9.4.2).

# Details of Minimum Surfacing Requirements

- The following slides illustrates a rough estimate of the minimum Poured-in-Place surfacing required by ADA and MAAB requirements.
- Green Areas indicate Use Zones around each play equipment.
- Blue Areas indicate Accessible Paths.

*\* Approximate square footage data obtained from GIS map data.*



# Haynes Playground

70% is the  
minimum  
surfacing  
required



# Noyes Playground

84% is the minimum surfacing required



# Nixon Playground

84% is the minimum  
surfacing required



# Loring Playground

61% is the  
minimum  
surfacing  
required



# Additional Cost of Surfacing the Total Space

	Other Space SqFt	Total Space SqFt	Percentage	Poured-in-Place Cost of Other Space	Poured-in-Place Cost of Total Space
<b>Noyes</b>	2000	12382	16.15%	\$ 33,000.00	\$ 204,303.00
<b>Nixon</b>	2259	14004	16.13%	\$ 37,273.50	\$ 231,066.00
<b>Haynes</b>	3026	10075	30.03%	\$ 49,929.00	\$ 166,237.50
<b>Loring</b>	5013	12819	39.11%	\$ 82,714.50	\$ 211,513.50
<b>Total</b>	<b>12298</b>	<b>49280</b>	<b>24.96%</b>	<b>\$ 202,917.00</b>	<b>\$ 813,120.00</b>

Mulch Maintenance per Year	Years	Mulch Maintenance Total
\$ 6,000.00	15	\$ 90,000.00

Poured-in-Place Cost of Other Space	\$ 202,917.00
Amount saved by not having to do Mulch Maintenance	\$ 90,000.00
<b>Net Cost of Poured-in-Place for Other Space</b>	<b>\$ 112,917.00</b>

**Other Space** - This is the space not strictly required to be surfaced.

**Total Space** - This is the total playground area.





# Playground Modernization for Sudbury Public Schools

A photograph of a modernized playground. In the foreground, there is a large, green, canoe-shaped slide on a bed of wood chips. To the right, there is a complex wooden play structure with multiple slides, platforms, and a climbing wall. To the left, a soccer goal is visible on a grassy field. The background consists of a dense line of green trees under a clear blue sky.

October 2017



PlaySudbury is a volunteer group dedicated to helping to design and advocate for upgrades to the Sudbury Public School Playgrounds.

The group is composed of parents, grandparents, educators, and community members who share this common goal.

Play is often talked about as if it were a relief from serious learning. But for children, play is serious learning.

- Mr. Rogers



# Background

- Our playground structures are reaching end-of-life
  - The typical lifespan of playground equipment is about 10-15 years.
  - Most of the structures in the SPS playgrounds were installed in 2001.
- Our playgrounds are not ADA compliant
  - As of March 15, 2011, all play areas should be in compliance with ADA (Americans with Disabilities Act) standards
- Like our SMILE Playground, we should strive for Universal Design
  - Universal Design is the new gold standard for recreation areas
  - Designed to serve the entire community without the need for adaptation or specialized design
  - Eg. Tracks around the perimeter of the play areas.



# Who Will Benefit?

- Just under 50% of the households in Sudbury have children. All of these families will benefit from the modernization of the playgrounds.
- Currently 21% of the population is over 60 years of age, and this percentage is projected to increase to 32% over the next several years. New elements are being introduced to the playgrounds to serve this wider community.
  - An impact-friendly track around the perimeter that could be utilized by people of all ages and varying mobility abilities and health considerations.
  - Exercise equipment is also being considered.
  - Tables and Shade for resting and congregating.
- Creating accessible playgrounds at each of the local schools will provide neighborhood recreation opportunities for disabled individuals and their playmates.



# Comparable Projects

- Framingham - Cushing Memorial Park Children's Grove
  - \$665,000
  - 13,411 SqFt
  - Approximately \$50 per SqFt
- Concord Integrated Pre-School Playground
  - \$360,000
  - 8,880 SqFt
  - Approximately \$41 per SqFt
- Maynard Fowler School
  - \$115,000
  - 2,800 SqFt
  - Approximately \$41 per SqFt



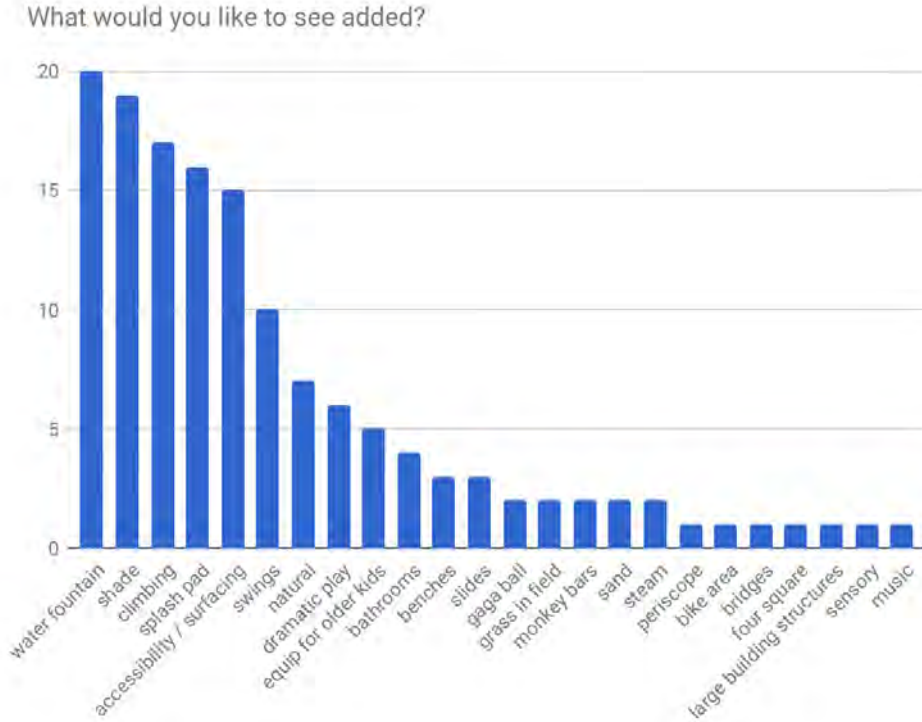
Concord Integrated Pre-School



Maynard Fowler School



# Survey Results



- Top 5 requests
  - Water Fountain
  - Shade
  - More Climbing Features
  - Splash Pad
  - Accessibility and Better Surfacing

# Universal Design Examples

- Rubberized Surface on playgrounds provides an Accessible Route for those with mobility disabilities. At the same time it provides:
  - Safe fall-zones / use-zones for all users of the playground
  - An impact-friendly track for walking / jogging for all members of the community (by simply coloring the perimeter a different color)
- Wheelchairs require spacious turnaround areas on playstructures.
  - This also provides wonderful congregation areas for all children to engage in interactive play together.
  - The large space enables multiple activities in parallel.
- Tables and Shades provide a respite from play
  - It also serves as a gathering area for caregivers
  - And a destination for community group gatherings





# Surfacing

- Current Wood Chips do not meet Massachusetts Architectural Access Board (MAAB) requirements for an accessible surface (521 CMR 29)
- Poured-in-Place Surfacing
  - Universally accessible poured rubber playground surfacing system
  - 2- layered rubber-urethane system designed to American Standard Test Methods (ASTM) standards for shock attenuation, tensile strength, tear resistance and accessibility
  - Meets MAAB requirements for an accessible surface
- Expected lifetime of Poured-in-Place surface is 10 years
  - Requires little long term maintenance
  - Can be re-topped at a fraction of the complete cost
- See Appendix for comparison of different Surfacing Options



# Surfacing

- We are proposing Poured-in-Place surfacing for the entire play areas
  - Save on cost of purchase and maintenance of wood chips
  - FY16 - \$23,000 for purchase and maintenance
- Areas which are partially mulch, partially Poured-in-Place look like this:

The area outlined in white is a Poured-in-Place surface. However, it's nearly completely covered in wood chips, making it a non-accessible surface. →



# Playstructures

- Many of the current structures are not ADA compliant
  - See Appendix for details
- Most of the structures were built in 2001
  - Lifetime of these structures is considered to be 10-15 years

# Master Plan Timeline

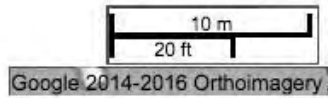
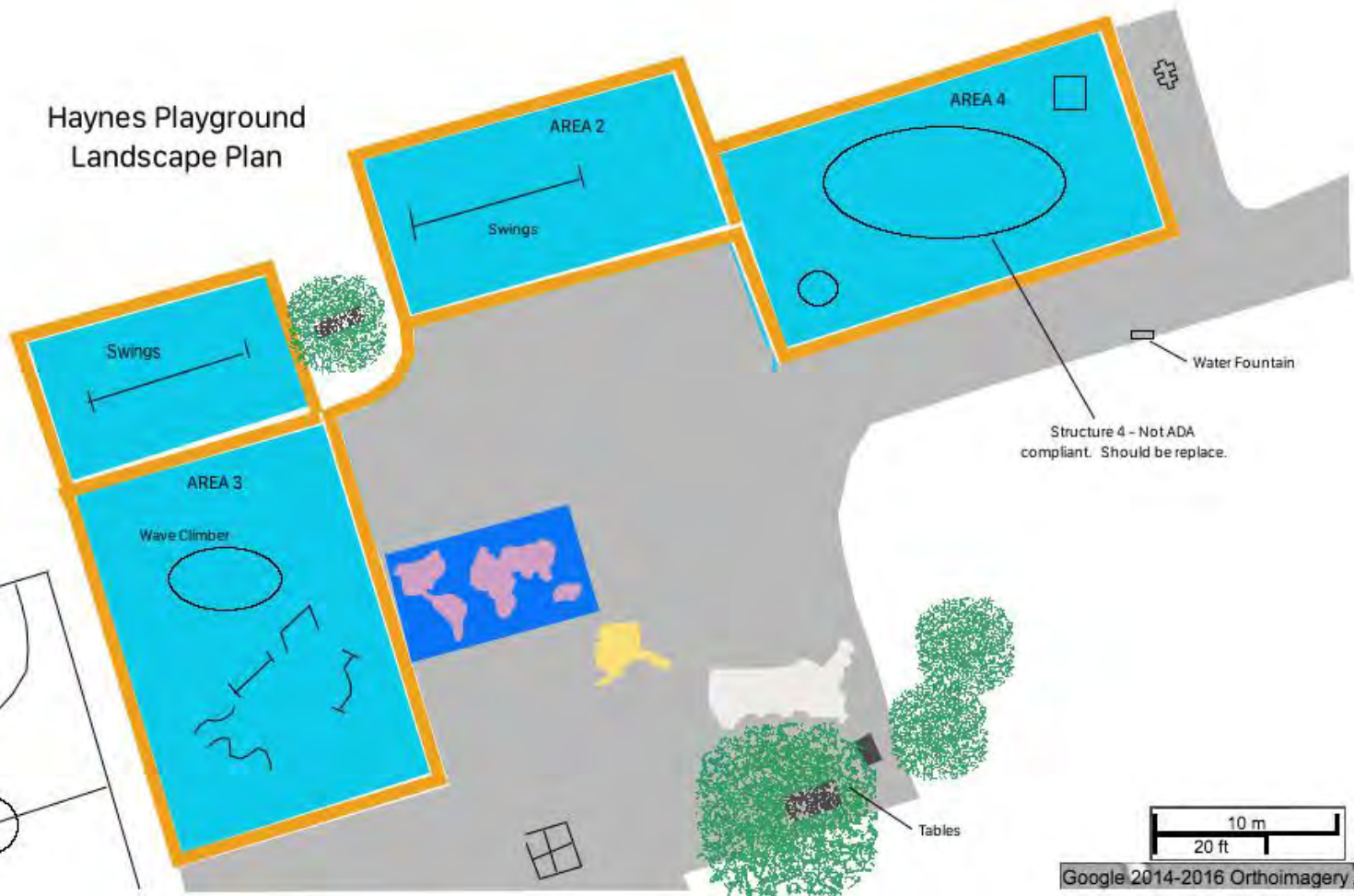
- Summer 2018
  - Upgrade Haynes and Noyes Playgrounds
- Summer 2019
  - Upgrade Nixon and Loring Playgrounds
  - Note: Coordinate Loring Playground upgrade with Loring Parking Lot project.
- Summer 2020
  - Create outdoor exploratory space at Curtis Middle School



# Haynes Proposal

- Poured-in-Place Surfacing
  - Replace existing wood chips
- Replace the Playstructure in Area 4
  - Built in 2001. It's over 15 years old.
  - Not ADA compliant.
  - New structure will incorporate elements for Kindergarten
- Reposition Swings
  - They are extremely far away, making supervision difficult
- Multigenerational features
  - Track around the perimeter
  - Cardio-Strider, Parallel Bars

# Haynes Playground Landscape Plan



# New Structure for Haynes



Playstructure 4



# Cost Estimates for Haynes

	SqFt or Ft	Cost per SqFt	Cost
<b>Playstructures</b>			
Big Structure			\$ 74,500.00
Swing (2)			\$ 12,000.00
Tire Swing			\$ 2,000.00
Subtotal			\$ 88,500.00
<b>Surfacing</b>			
Pour-in-Place (SqFt)	10075	\$ 16.50	\$ 166,237.50
Border to Grass (Ft)	300	\$ 19.00	\$ 5,700.00
Subtotal			\$ 171,937.50
<b>Site Amenities</b>			
Exercise Equipment			\$ 3,000.00
Subtotal			\$ 3,000.00
<b>Hardscape</b>			
Path to Table (SqFt)	100	\$ 3.00	\$ 300.00
Subtotal			\$ 300.00
<b>SubTotal</b>			\$ 263,737.50

<b>SubTotal</b>	\$ 263,737.50
<b>NJPA discount</b>	\$ (52,687.50)
<b>Installation</b>	\$ 36,600.00
<b>Contingency and Docs</b>	\$ 49,530.00
<b>Total</b>	<b>\$ 297,180.00</b>

Surfaces	SqFt
New Swings 1	2000
New Swings 2	1500
Area 3	3496
Area 4	3079
<b>Total SqFt</b>	<b>10075</b>

<b>Cost per SqFt</b>	<b>\$ 29.50</b>
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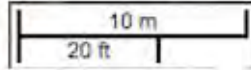
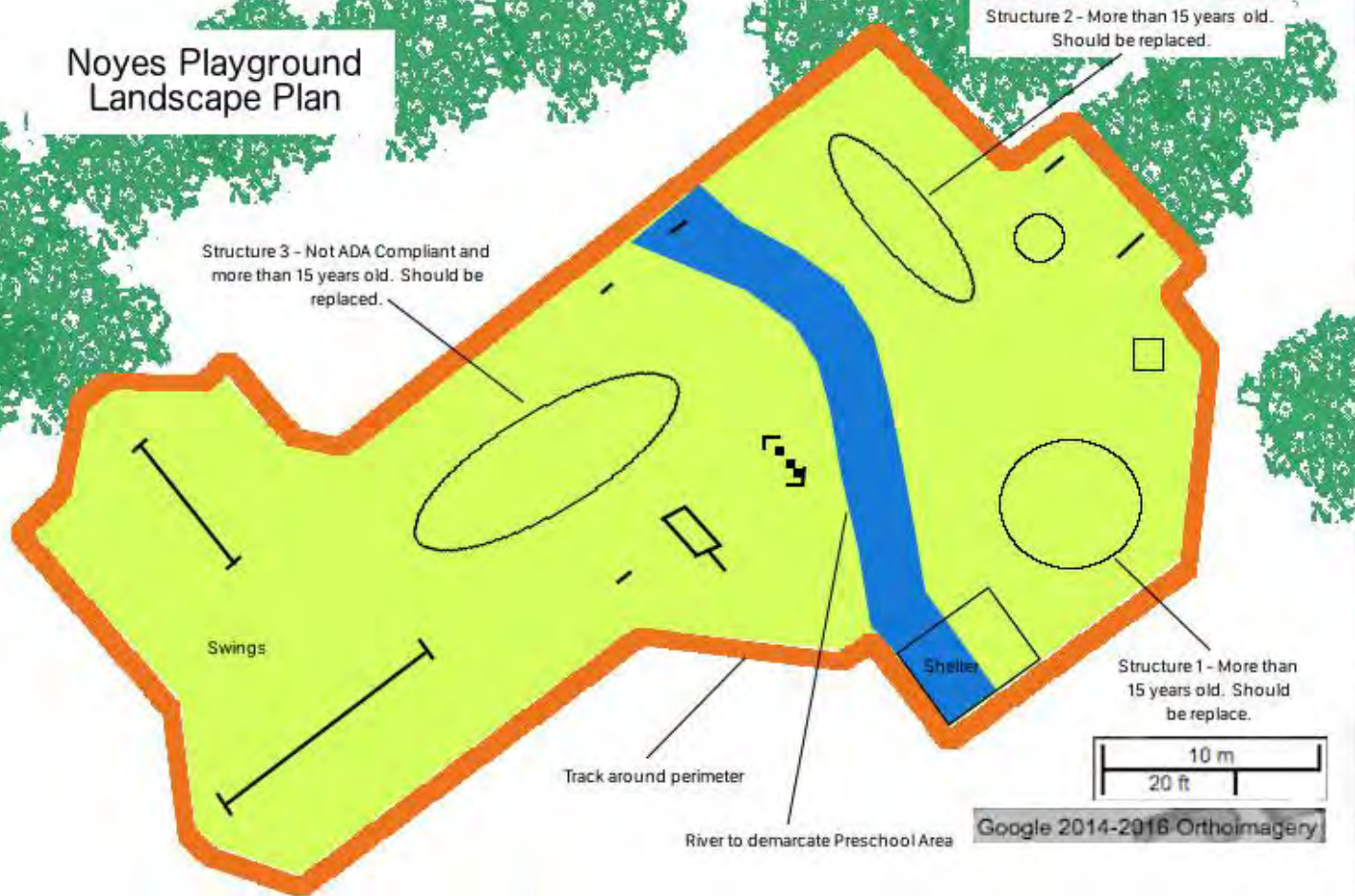




# Noyes Proposal

- Poured-in-Place Surfacing
  - Replace existing wood chips
- Replace the Playstructures 1, 2, and 3
  - Built in 2001. They are over 15 years old.
  - Playstructures 2 and 3 are not ADA compliant.
- Multigenerational Features
  - Track around the perimeter
  - Plyo Boxes, bench dip
- Blue “river” to demarcate the Preschool Area

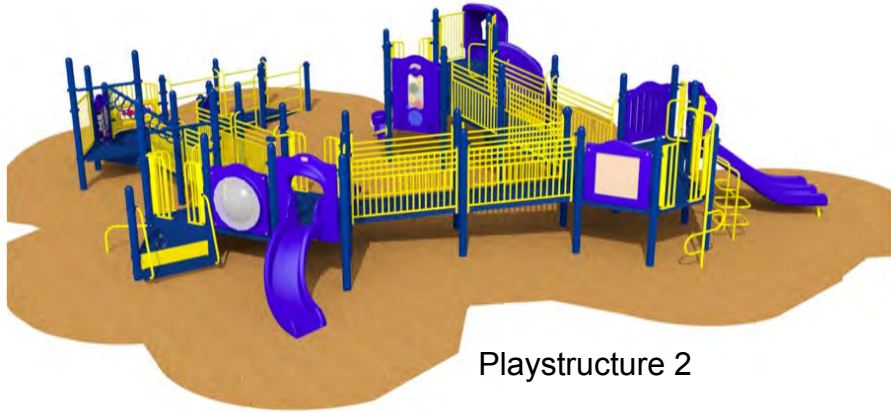
# Noyes Playground Landscape Plan



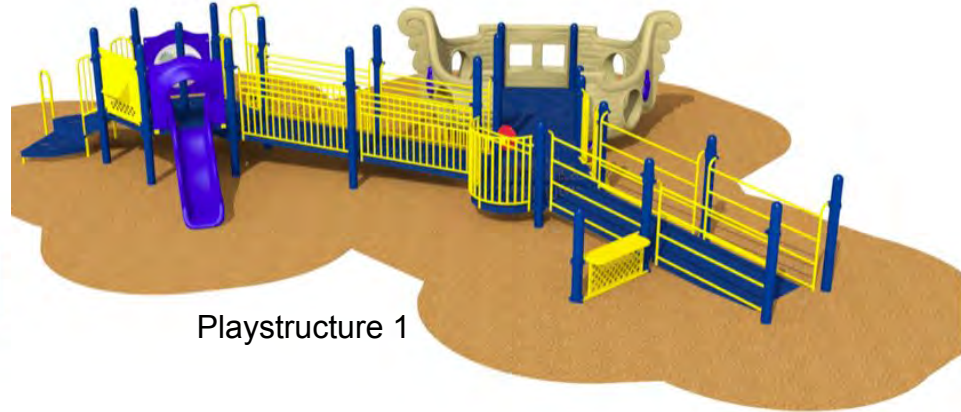
Google 2014-2016 Orthoimagery



# New Structures for Noyes



Playstructure 2



Playstructure 1



Playstructure 3

# Cost Estimates for Noyes

	SqFt or Ft	Cost per SqFt	Cost
<b>Playstructures</b>			
Structure 1			\$ 46,467.00
Structure 2			\$ 69,500.00
Structure 3			\$ 34,951.00
Subtotal			\$ 150,918.00
<b>Surfacing</b>			
Poured-in-Place (SqFt)	12382	\$ 16.50	\$ 204,303.00
Border to Grass (Ft)	540	\$ 19.00	\$ 10,260.00
Subtotal			\$ 214,563.00
<b>Site Amenities</b>			
Exercise Equipment			\$ 3,000.00
Subtotal			\$ 3,000.00
<b>Hardscape</b>			
	0	\$ 3.00	\$ -
Subtotal			0
<b>SubTotal</b>			\$ 368,481.00

<b>SubTotal</b>	\$ 368,481.00
<b>NJPA discount</b>	\$ (73,696.20)
<b>Installation</b>	\$ 61,567.20
<b>Contingency and Docs</b>	\$ 71,270.40
<b>Total</b>	<b>\$ 427,622.40</b>

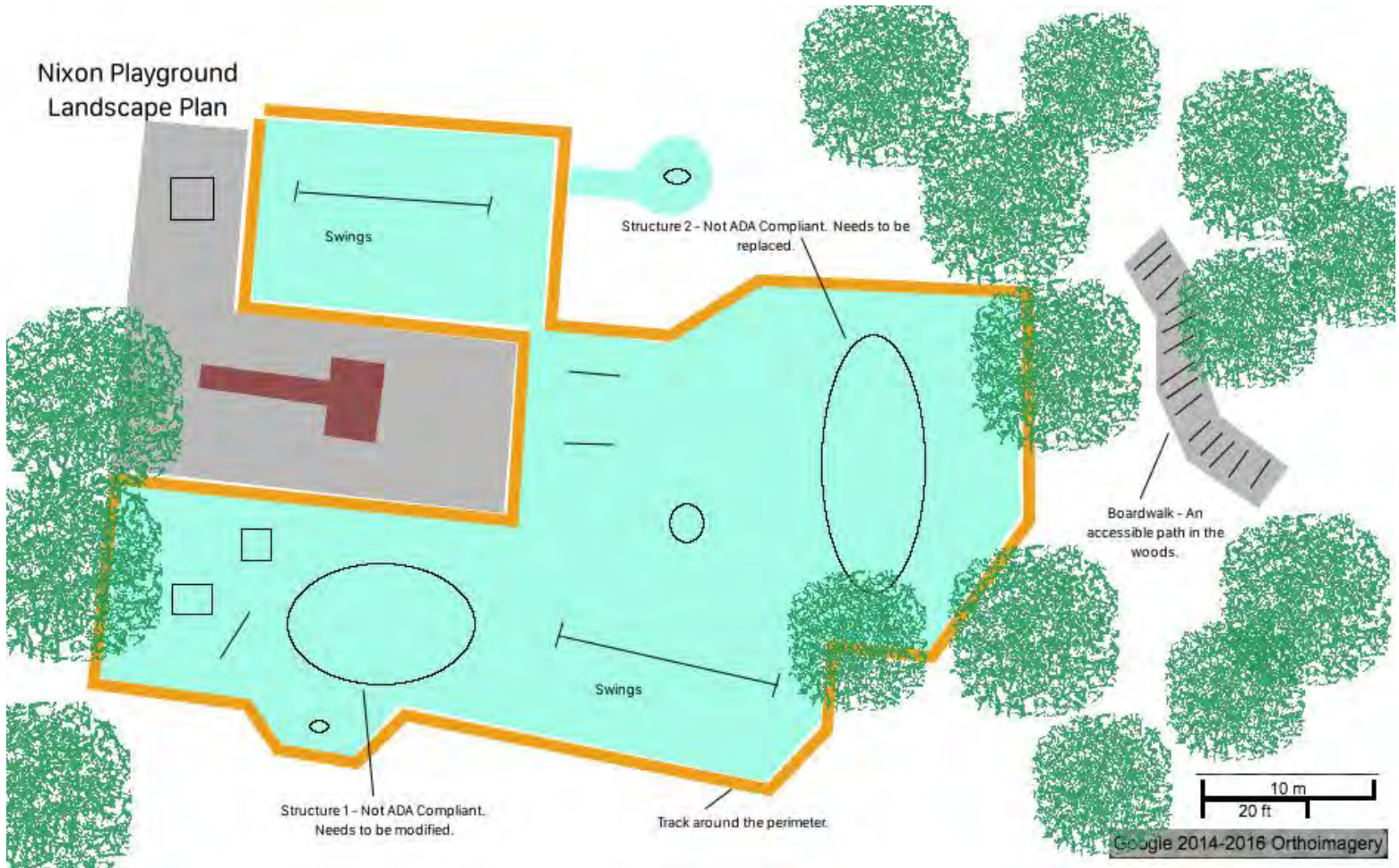
<b>Cost per Sq Ft</b>	<b>\$ 34.54</b>
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# Nixon Proposal

- Poured-in-Place Surfacing
  - Replace existing wood chips
- Replace the Playstructure 2
  - Unsure of construction date.
  - Playstructure 2 is not ADA compliant
- Modify Playstructure 1
  - In its current form, Playstructure 1 is not ADA compliant
- Multigenerational features
  - Track around the perimeter
  - Parallel Bars, Cardio-strider
- Boardwalk through the woods

# Nixon Playground Landscape Plan



Structure 2 - Not ADA Compliant. Needs to be replaced.

Structure 1 - Not ADA Compliant. Needs to be modified.

Track around the perimeter.

Boardwalk - An accessible path in the woods.

10 m  
20 ft

Google 2014-2016 Orthoimagery



# New Structure for Nixon



Playstructure 2

# Cost Estimates for Nixon

	SqFt	Cost per SqFt	Cost
<b>Playstructures</b>			
Structure 2			\$ 66,500.00
Boardwalk			\$ 5,000.00
Subtotal			\$ 71,500.00
<b>Surfacing</b>			
Poured-in-Place (SqFt)	14004	\$ 16.50	\$ 231,066.00
Border to Grass (Ft)	580	\$ 19.00	\$ 11,020.00
Subtotal			\$ 242,086.00
<b>Site Amenities</b>			
Exercise Equipment			\$ 3,000.00
Subtotal			\$ 3,000.00
<b>Hardscape</b>			
Asphalt for Table	439	\$ 3.00	\$ 1,317.00
Subtotal			\$ 1,317.00
<b>SubTotal</b>			\$ 317,903.00

<b>SubTotal</b>	\$ 317,903.00
<b>NJPA discount</b>	\$ (63,317.20)
<b>Installation</b>	\$ 29,800.00
<b>Contingency and Docs</b>	\$ 56,877.16
<b>Total</b>	<b>\$ 341,262.96</b>

<b>Cost per SqFt</b>	<b>\$ 24.37</b>
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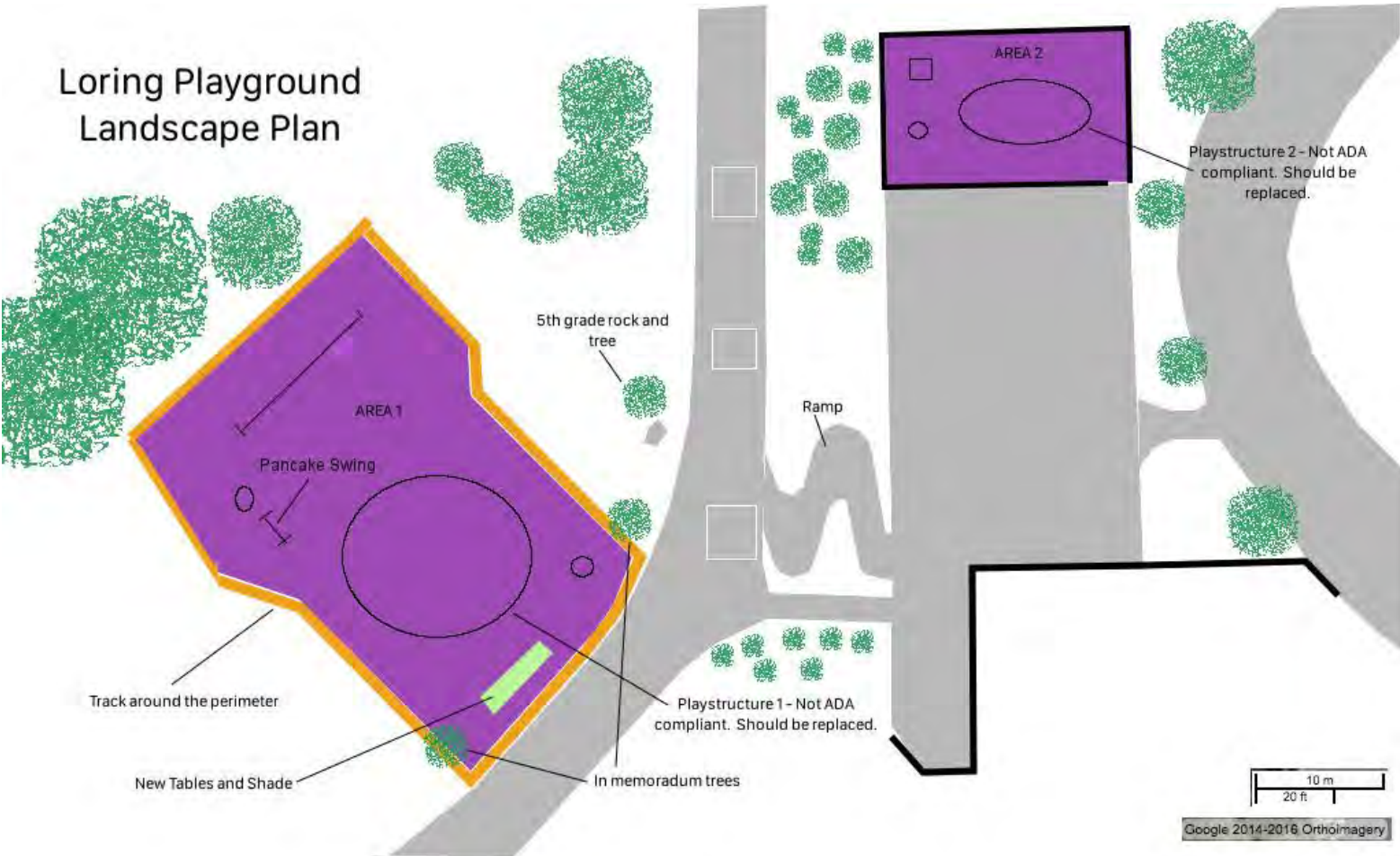


# Loring Proposal

- Poured-in-Place Surfacing
  - Replace existing wood chips
- Replace the Playstructures
  - Built in 2001. It's over 15 years old.
  - Playstructure 1 and 2 are not ADA compliant.
- New set of swings
- Build up border along the fence to create balance beams
- Multigenerational Features
  - Track around the perimeter
  - Bench dip, Plyo Boxes
- Ramp next to stairs, Removal of asphalt berm for access to play area.
  - Proposing to address these in the Loring Parking Lot project.



# Loring Playground Landscape Plan



# New Structures for Loring



Playstructure 1



Playstructure 2

# Cost Estimates for Loring

	SqFt or Ft	Cost per SqFt	Cost
<b>Playstructures</b>			
Structure 1			\$ 74,500.00
Structure 2			\$ 10,000.00
Swings			\$ 6,000.00
Subtotal			\$ 90,500.00
<b>Surfacing</b>			
Poured-in-Place (SqFt)	12819	\$ 16.50	\$ 211,513.50
Border to Grass (Ft)	370	\$ 19.00	\$ 7,030.00
Subtotal			\$ 218,543.50
<b>Site Amenities</b>			
Exercise Equipment			\$ 3,000.00
Shade, Tables			\$ 5,000.00
Subtotal			\$ 8,000.00
<b>Hardscape</b>			
		\$ 3.00	\$ -
Subtotal			\$ -
<b>SubTotal</b>			\$ 317,043.50

<b>SubTotal</b>	\$ 317,043.50
<b>NJPA discount</b>	\$ (63,408.70)
<b>Installation</b>	\$ 39,400.00
<b>Contingency and Docs</b>	\$ 58,606.96
<b>Total</b>	<b>\$ 351,641.76</b>

Surfaces	SqFt
Area 1	9990
Area 2	2829
<b>Total SqFt</b>	<b>12819</b>

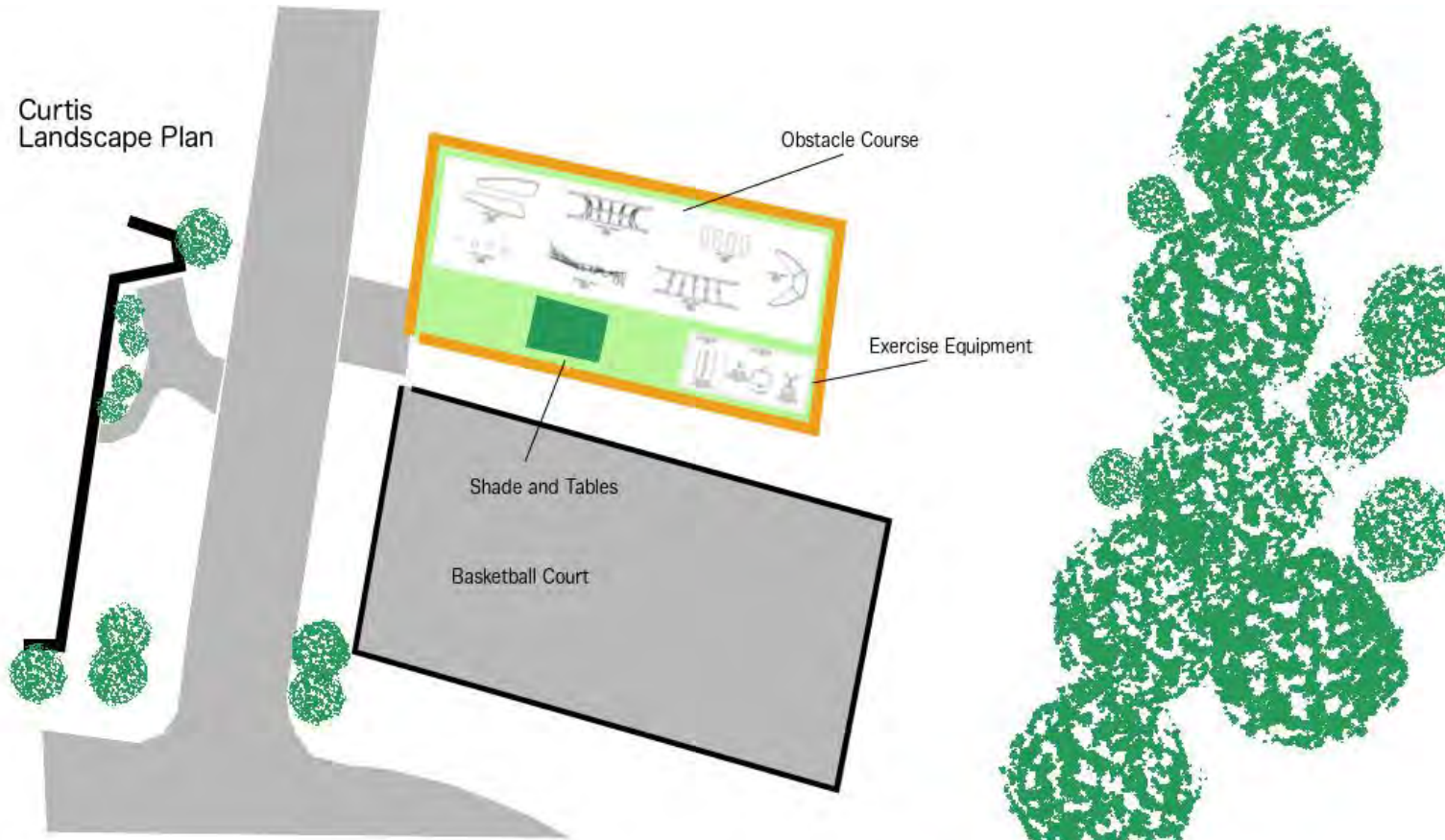
<b>Cost per SqFt</b>	<b>\$27.43</b>
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# Curtis Proposal

- Poured-in-Place Surfacing
- Challenge Obstacle Course
  - Compete with yourself and/or with your friends
  - Promotes friendly competition, Encourages physical activity
- Accessible Exercise Equipment
- Shade and Tables
  - Currently nowhere to sit and congregate
- Track around the perimeter of the area
- All features of this outdoor activity space can be utilized by students and the wider community

Curtis  
Landscape Plan



Obstacle Course

Exercise Equipment

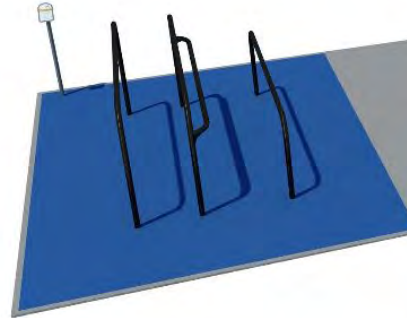
Shade and Tables

Basketball Court

# New Structures for Curtis



Challenge Obstacle Course



Accessible Exercise Equipment



	SqFt or Ft	Cost per SqFt	Cost
<b>Playstructures</b>			
Obstacle Course			\$ 65,500.00
Exercise Equipment			\$ 12,614.00
Subtotal			\$ 78,114.00
<b>Surfacing</b>			
Pour-in-Place (SqFt)	5000	\$ 16.50	\$ 82,500.00
Border to Grass (Ft)	300	\$ 19.00	\$ 5,700.00
Subtotal			\$ 88,200.00
<b>Site Amenities</b>			
Shade and Tables			\$ 8,000.00
Subtotal			\$ 8,000.00
<b>Hardscape</b>			
Path to Table (SqFt)	625	\$ 3.00	\$ 1,875.00
Subtotal			\$ 1,875.00
<b>SubTotal</b>			\$ 176,189.00

<b>SubTotal</b>	\$ 176,189.00
<b>NJPA discount</b>	\$ (19,240.00)
<b>Installation</b>	\$ 34,445.60
<b>Contingency and Docs</b>	\$ 38,278.92
<b>Total</b>	<b>\$ 229,673.52</b>

<b>Cost per SqFt</b>	<b>\$ 45.93</b>
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# Cost Estimates for Curtis





# Total Cost Summary

		NJPA Discount	Installation	Net	% of Total
Playstructures (Little Tikes)	\$401,418	-\$80,284	\$160,567	\$481,701.60	35%
Playstructures (GameTime)	\$78,114		\$31,246	\$109,359.60	8%
Surfacing	\$935,330	-\$187,066		\$748,264.00	55%
Hardscapes	\$3,492			\$3,492.00	0%
Site Amenities	\$25,000	-\$5,000	\$10,000	\$30,000.00	2%
<b>Total</b>				\$1,372,817.20	100%
10% Contingency				\$137,281.72	
10% Bid Docs, Architect Fees				\$137,281.72	
<b>Grand Total</b>				<b>\$1,647,380.64</b>	

Surfacing	Cost per SqFt
Pour-in-Place material	\$13.00
Subgrade material	\$2.00
Area Prep	\$1.50
<b>Total per SqFt</b>	<b>\$16.50</b>

Total Sq Ft	Cost per SqFt
49280	\$27.86



# Cost vs. Time

- The standard material price increase ranges from 4-7% per year.
- If we do 2 playgrounds per year, the additional cost ranges from \$46K to \$82K.
- If we do 1 playground per year, the additional cost ranges from \$127K to \$230K

Rate of Increase 4%

	Total Cost	Penalty for Delay
All 5 playgrounds at once	\$1,647,380.64	
2 playgrounds per year	\$1,693,838.19	\$46,457.55
1 playground per year	\$1,775,252.00	\$127,871.36

Rate of Increase 7%

	Total Cost	Penalty for Delay
All 5 playgrounds at once	\$1,647,380.64	
2 playgrounds per year	\$1,729,163.66	\$81,783.02
1 playground per year	\$1,877,279.34	\$229,898.70

# Build 2 playgrounds per year 2018 Cost

Summer 2018	Haynes	Noyes	
Playstructures (Little Tikes)	88,500.00	150,918.00	
Playstructures (GameTime)			
Surfacing	171,937.50	214,563.00	
Hardscapes	300.00	0.00	
Site Amenities	3,000.00	3,000.00	
NJPA Discount	(52,687.50)	(73,696.20)	
Installation	36,600.00	61,567.20	
<b>SubTotal</b>	<b>247,650.00</b>	<b>356,352.00</b>	
10% Contingency, 10% Bid Docs, Architect Fees	49,530.00	71,270.40	
<b>Grand Total 2018</b>	<b>297,180.00</b>	<b>427,622.40</b>	<b>724,802.40</b>



# Build 2 playgrounds per year 2019 Cost

Summer 2019	Nixon	Loring	
Playstructures (Little Tikes)	76,505.00	96,835.00	
Playstructures (GameTime)			
Surfacing	259,032.02	233,841.55	
Hardscapes	1,409.19	0.00	
Site Amenities	3,210.00	8,560.00	
NJPA Discount	(67,749.40)	(67,847.31)	
Installation	31,886.00	42,158.00	
<b>SubTotal</b>	304,292.81	313,547.24	
<b>10% Contingency, 10% Bid Docs, Architect Fees</b>	60,858.56	62,709.45	
<b>Grand Total 2019</b>	<b>365,151.37</b>	<b>376,256.68</b>	<b>741,408.05</b>



# Build 2 playgrounds per year

## 2020 Cost

Summer 2020	Curtis	
Playstructures (Little Tikes)		
Playstructures (GameTime)	89,432.72	
Surfacing	100,980.18	
Hardscapes	2,146.69	
Site Amenities	9,159.20	
NJPA Discount	(22,027.88)	
Installation	39,436.77	
<b>SubTotal</b>	219,127.68	
10% Contingency, 10% Bid Docs, Architect Fees	43,825.54	
<b>Grand Total 2020</b>	262,953.21	262,953.21

# Build 2 playgrounds per year Summary

	2018	2019	2020	Totals
<b>Cost</b>	(724,802.40)	(720,620.91)	(262,953.21)	(1,708,376.52)
Buy-a-Brick	4,000.00	4,000.00	4,000.00	12,000.00
Private Donations		2,500.00	2,500.00	5,000.00
Business Donations		5,000.00	5,000.00	10,000.00
Grants		2,000.00	2,000.00	4,000.00
<b>Need</b>	(720,802.40)	(707,120.91)	(249,453.21)	(1,677,376.52)
<b>Request from Town CPA Funds</b>	725,000.00	725,000.00	250,000.00	1,700,000.00
Net	4,197.60	17,879.09	546.79	22,623.48

# Cost Mitigation

- NJPA - National Joint Powers Association
  - Cooperative Purchasing (Discount, Free shipping)
- Fundraising
  - Buy-a-Brick, Create-a-Garden-Stone
  - Naming Opportunities
  - In-Kind donations - Eagle Scout Projects, Vocational School Projects
- Grant Possibilities
  - Cummings Foundation, Sudbury Foundation, CNHA7metrowest
  - Lowe's Community Partners, Shaw's Foundation
- SMILE Mass is our fiscal sponsor. We can operate under their 501(3)(c) umbrella for tax exempt fundraising.



It is a happy talent to know how to play.

- Ralph Waldo Emerson

Play is the highest form of research.

- Albert Einstein





Thank You!



# Appendix

- Comparable Projects - Details
- Surfacing Options - Costs and Details
- ADA Requirements
- ADA Assessments

# Comparable Projects - Details

- Framingham - Cushing Memorial Park Children's Grove
  - \$665,000
  - \$265,000 from Town funds, \$400,000 from PARC grant
  - 13,411 SqFt
  - Approximately \$50 per SqFt
  - Project completed 2015
- Concord Integrated Pre-School Playground
  - \$360,000
  - Approximately \$180k from Town funds, \$180k from Fundraising
  - 8,880 SqFt
  - Approximately \$41 per SqFt
  - Construction started Summer 2017
- Maynard Fowler School
  - \$115,000
  - Mostly Town CPC Funds
  - 2,800 SqFt
  - Approximately \$41 per SqFt
  - Project completed 2015



Concord Integrated Pre-School



Maynard Fowler School



# Surfacing Options - Details

	Tiles	Poured-in-Place	Playground Turf
<b>Installed best on...</b>	Concrete Pad	Anything. Very forgiving.	Completely Smooth Surface - that's why subbase work is higher.
<b>Maintenance</b>	In our climate, there can be some lifting of corners, leading to trip hazards.	Keep an eye on heavy use areas and address issues as soon as they may arise.	Keep an eye on heavy use areas and address issues as soon as they may arise.
<b>Projected Lifespan</b>		10-15 years	10-15 years
<b>Other Notes</b>	Tiles are square, but playgrounds might not be. So, there can be waste to fill in non-square areas.	Including different colors, shapes and designs is easy.  No border material necessary on the borders with asphalt.	Comes in a rectangular roll (like carpet). Could be some wasted cost because the playgrounds aren't exactly rectangular.  Will need nailer boards attached to borders for attaching turf to the edge. - additional cost  May need more border material for the borders with asphalt. - additional cost

# Surfacing Options - Costs

Material Costs	Poured-in-Place	Tile	Turf
Surface Material	\$11.00	\$13.00	\$9.50
Subgrade material and prep	\$2.00	\$2.00	\$4.00
Area Prep	\$1.50	\$1.50	\$1.50
<b>Total per SqFt</b>	<b>\$14.50</b>	<b>\$16.50</b>	<b>\$15.00</b>

Additional Cost for Turf	Ft bordering asphalt	Cost (\$19 / Ft)
Haynes	400	\$ 7,600.00
Noyes	0	\$ -
Nixon	200	\$ 3,800.00
Loring	250	\$ 4,750.00
<b>Total</b>	<b>850</b>	<b>\$ 16,150.00</b>

# ADA Requirements

The following slides highlight some of the requirements for access as detailed in the Americans with Disabilities Act.

For more information:

[www.access-board.gov/guidelines-and-standards/recreation-facilities/guides/play-areas/summary](http://www.access-board.gov/guidelines-and-standards/recreation-facilities/guides/play-areas/summary)



# ADA Requirements

## Elevated Play

- Elevated play components are part of a composite playstructure where the entrance and/or exit of the activity is above ground level.
- Access to at least 50 percent of the elevated play components is required if there are less than 20 elevated components.
- Access by way of a transfer system is acceptable when less than 20 elevated play components are provided.
- If 20 or more are provided, then a ramp is required to at least 25 percent.
- Elevated accessible routes must connect the entry and exit points of 50% of the elevated play components.

# ADA Requirements

## Ground Level Play

- Ground level play components are those that are approached and exited at the ground level.
- Access to ground level components is required to at least one of each type provided
- and in a number proportionate to the number of elevated play components provided.
- An accessible surface to each accessible component is required.

Number of Elevated Play Components	Minimum Number of Accessible Ground Components Required	Minimum Number of different types of Ground Components Required
1	Not Applicable	
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
More than 25	8 plus 1 for each additional 3 over 25, or fraction thereof	5





# ADA Requirements

## Clear Floor and Ground Space

- A clear ground space of 30 inches by 48 inches is required to approach a play event at ground level.

## Maneuvering Space

- A 60 inch circle or 60 inch T-Shaped turn is required to facilitate turning with a wheelchair or mobility device.

## Entry Points and Seats

- Entry levels for swings, tunnels, and similar play events should range between 11 inches to 24 inches.



# ADA Assessments

The following slides are an analysis of the ADA compliance of the play areas with the assumption that the surfacing of the play areas has been changed to Poured-in-Place surfacing.

This analysis shows that some of the playstructures need to be modified or replaced in order to meet ADA requirements.

# Haynes Area 4 - ADA Assessment



# Haynes Area 4 - ADA Assessment

Accessible Elevated Events	Inaccessible Elevated Events	Type of Ground Event	Accessible Ground Events	Inaccessible Ground Events
Zoo Panel: LSI	Cliff Climber: LSI	Balancing	123" Disc Challenge: LSI	
Zoo Panel: LSI	Summit Climber: LSI		Spring Ring: LSI	
Roller Slide: LSI	Catwalk Climber: LSI	Spinning	OMNI Spinner: LSI	
Steering Wheel	Firepole with Twist	Experimenting	Image Panel: LSI	
	Wave Net: LSI	Training	Tossup (Funnel Ball)	
	Vertical Ladder: LSI		Chin Up Bar	
	123" Belt Bridge: LSI			
	Sidewinder Slide: LSI	<b>13 Elevated Elements - 4 Accessible, 9 Inaccessible</b>		
	Double Swoosh Poly Slide: LSI	<b>6 Ground Elements - 6 Accessible, 0 Inaccessible - 4 Types, 1 of each is Accessible</b>		

Not Ok	ADA Requirement - 50% of Elevated Events required to be Accessible
Ok	ADA Requirement - 12 Elevated Events Requires 4 Ground Events
Ok	ADA Requirement - 12 Elevated Events Requires 3 different types of Ground Events
Ok	ADA Requirement - Access required to at least 1 of each type of Ground Event - OK



# Haynes Area 3 - ADA Assessment



# Haynes Area 3 - ADA Assessment

Type of Ground Event	Accessible Ground Events	Inaccessible Ground Events
Climbing	Infinity Web: Little Tikes	
	Double Humpty Climber: LSI	
	Climbing Wall: LSI	
Balancing	Curved Balance Beam: LSI	
	Stepping Pods: LSI	
Training	Overhead Parallel: LSI	
	S-Ring Challenge: LSI	

**OK** ADA Requirement - Access required to at least 1 of each type of Ground Event

# Noyes Area 1 - ADA Assessment



# Noyes Area 1 - ADA Assessment

Accessible Elevated Events	Inaccessible Elevated Events
Gear panel: LSI	
90 Degree Curved Bridge: LSI	
Double Poly Slide: LSI	
Talk Tube: LSI	
Pilot Panel: LSI	
Loop Ladder: LSI	
Wiggle Ladder: LSI	
7 Elevated Events - 7 Accessible, 0 Inaccessible	
2 Ground Events - 2 Accessible, 0 Inaccessible - 2 Types, 1 of each is Accessible	

Type of Ground Event	Accessible Ground Event	Inaccessible Ground Event
Climbing	Hole Panel: LSI	
Pretending	House Panel: LSI	

<b>OK</b>	<b>ADA Requirement - 50% of Elevated Events required to be Accessible</b>
<b>OK</b>	<b>ADA Requirement - 7 Elevated Events Requires 2 Ground Event</b>
<b>OK</b>	<b>ADA Requirement - 7 Elevated Events Requires 2 different types of Ground Events</b>
<b>OK</b>	<b>ADA Requirement - Access required to at least 1 of each type of Ground Event</b>





## Noyes Area 2 - ADA Assessment



# Noyes Area 2 - ADA Assessment

Accessible Elevated Events	Inaccessible Elevated Events
Double Wide Poly Slide: LSI	Wiggle Ladder: LSI
Tic-Tac-Toe Panel	Centipede Climber: LSI
Talk Tube: LSI	Firepole: LSI
Pipe Barrier with Wheel: LSI	Overhead Climbing Ring: LSI
Ramp Bridge with Handrails: LSI	123" Single Horizontal Beam Loop: LSI
Toadstools	Corkscrew Climber: LSI
	Ascending Chain: LSI
	Wave Poly Slide: LSI
	Clatterbridge with Handrails: LSI

Type of Ground Event	Accessible Ground Event	Inaccessible Ground Event
Spinning	Seated Spinner: GameTime	
Pretending	Store Front Panel: LSI	
	Hole Panel: LSI	
Training	Watch Me Grow Panel: LSI	
	How High Can I Jump: LSI	
Balancing	Springy Platform	
<b>15 Elevated Events - 6 Accessible, 9 Inaccessible</b>		
<b>6 Ground Events - 6 Accessible, 0 Inaccessible - 4 Types, 1 of each is Accessible</b>		

Not OK	ADA Requirement - 50% of Elevated Events required to be Accessible
OK	ADA Requirement - 15 Elevated Events Requires 5 Ground Event
OK	ADA Requirement - 15 Elevated Events Requires 3 different types of Ground Events
OK	ADA Requirement - Access required to at least 1 of each type of Ground Event



# Noyes Area 3 - ADA Assessment



# Noyes Area 3 - ADA Assessment

Accessible Elevated Events	Inaccessible Elevated Events		Type of Ground Event	Accessible Ground Event	Inaccessible Ground Event
	Loop Pole: LSI		Pedaling	Cycler Handholds and Pedals: LSI	
	Cliff Climber: LSI		Training	Chinning Bar: LSI	
	Summit Climber: LSI			How High Can I Jump: LSI	
	Sidewinder Slide: LSI		Climbing	Loop Seat: LSI	
	Inner Vertical Ladder: LSI			Climbing Wall: LSI	
	Triple Ring Fling: LSI			6' Vertical Pipe Climber: LSI	
	Single Parallel S Bar: LSI			4' Vertical Pipe Climber: LSI	
	Swing Out: LSI		Balancing	4 Stepping Pods: LSI	
				Spring Ring: LSI	
<b>8 Elevated Elements - 0 Accessible, 8 Inaccessible</b>					
<b>9 Ground Elements - 9 Accessible, 0 Inaccessible - 4 Types, 1 of each is Accessible</b>					

Not OK	ADA Requirement - 50% of Elevated Events required to be Accessible
OK	ADA Requirement - 9 Elevated Events Requires 3 Ground Event
OK	ADA Requirement - 9 Elevated Events Requires 3 different types of Ground Events
OK	ADA Requirement - Access required to at least 1 of each type of Ground Event



# Nixon Area 1 - ADA Assessment



# Nixon Area 1 - ADA Assessment

Type of Ground Event	Accessible Ground Events	Inaccessible Ground Events
Balancing	3 - Independent Wobble Pod: LSI	Tightrope No Decks: LSI
	Pod Seat: LSI	Curved Balance Beam: LSI
	Spring Ring: LSI	
Climbing	Independent Core Climber	Ringtangle Climber Ground Level: LSI
	Spider Web Climber: LSI	LolliLadder: LSI
	Swiggleknots: LSI	
Spinning	Sol Spinner: LSI	
	Seated Spinner: Miracle	
Training	Chinning Bar: LSI	
	Handhold Leg Lift: LSI	
	Ring Pull: LSI	
	Turning Bar: LSI	
Rocking	Seasaw with Back Rests: LSI	

1 Elevated Event - 0 Accessible, 1 Inaccessible

19 Ground Events - 15 Accessible, 4 Inaccessible - 5 Types, 1 of each is Accessible

**Not OK** ADA Requirement - 50% of Elevated Events required to be Accessible

**OK** ADA Requirement - Access required to at least 1 of each type of Ground Event

Accessible Elevated Events	Inaccessible Elevated Events
	Rush Slide: LSI



# Nixon Area 2 - ADA Assessment



# Nixon Area 2 - ADA Assessment

Accessible Elevated Events	Inaccessible Elevated Events
Double Slide: Gametime	Crazy 8 Climber: Gametime
	Corkscrew Climber: Gametime
	Zipper Climber: Gametime
	Net Climber with Handrails: Gametime
	Trunk Climber: Gametime
	Space Loop Climber: Gametime
	Luke Ladder: Gametime
	Climbing Pole: Gametime
	Crow's Nest: Gametime
	90 Degree Crawl Tube: Gametime
	Mini Funnel Bridge: Gametime
	Arc Bridge: Gametime
	Double Trapeze Rings: Gametime
	6' Straight Slide: Gametime
	Steering Wheel

Type of Ground Event	Accessible Ground Events	Inaccessible Ground Events
Pretending	Store Front	
Spinning	Seated Spinner: Miracle	
Training	Tossup (Funnel Ball)	
	3' Overhead Track: Gametime	
	4' Overhead Track: Gametime	
<b>16 Elevated Events - 1 Accessible, 15 Inaccessible</b>		
<b>5 Ground Events - 5 Accessible, 0 Inaccessible - 3 Types, 1 of each is Accessible</b>		

<b>Not OK</b>	<b>ADA Requirement - 50% of Elevated Events required to be Accessible</b>
<b>OK</b>	<b>ADA Requirement - 16 Elevated Events Requires 5 Ground Event</b>
<b>OK</b>	<b>ADA Requirement - 16 Elevated Events Requires 3 different types of Ground Events</b>
<b>OK</b>	<b>ADA Requirement - Access required to at least 1 of each type of Ground Event</b>





# Loring Area 1 - ADA Assessment



# Loring Area 1 - ADA Assessment

Accessible Elevated Events	Inaccessible Elevated Events
Double Polywave Slide: LSI	Double Swoosh Poly Slide: LSI
123" Disc Challenge	Turbo Twister Tunnel Slide: LSI
	Arch Bridge with Barrier: LSI
	Circular Horizontal Ladder: LSI
	Vertical Ladder: LSI
	Catwalk Climber: LSI
	Cliff Climber: LSI
	Cliff Climber: LSI
	Summit Climber: LSI
	Loop Pole: LSI
	Fire Pole: LSI
	Fire Pole: LSI
	Corkscrew: LSI
	84" Cladder Bridge: LSI

Type of Ground Event	Accessible Ground Events	Inaccessible Ground Events
Pretending	Navigator Panel at Grade: LSI	
	Store Front Panel at Grade: LSI	
	Space Panel	
Gathering	Tic-Tac-Toe Panel	
	Independent Tilt Maze: LSI	
Swinging	8 Place 5000 Series Belt Swings: LSI	
Balancing	Suspension Bridge: LSI	
Spinning	OMNI Spinner: LSI	
Crawling	Tunnel Panel	

Not OK	ADA Requirement - 50% of Elevated Events required to be Accessible
OK	ADA Requirement - 16 Elevated Events Requires 5 Ground Event
OK	ADA Requirement - 16 Elevated Events Requires 3 different types of Ground Events
OK	ADA Requirement - Access required to at least 1 of each type of Ground Event

16 Elevated Events - 2 Accessible, 14 Inaccessible

8 Ground Events - 9 Accessible, 0 Inaccessible - 6 Types, 1 of each type is Accessible



# Loring Area 2 - ADA Assessment



# Loring Area 2 - ADA Assessment

Accessible Elevated Events	Inaccessible Elevated Events
90 Degree Curved Slide	
Crawl Tunnel	
Tic-Tac-Toe Panel	
Steering Wheel	
Single Wave Slide	
Straight Poly Slide	
Tunnel Slide	
Net Climber with Handholds	
Loop Ladder	

Type of Ground Event	Accessible Ground Events	Inaccessible Ground Events
Climbing	Cube Climber: LSI	
Training	Tossup (Funnel Ball)	
9 Elevated Events - 9 Accessible, 0 Inaccessible		
2 Ground Events - 2 Accessible, 0 Inaccessible - 2 Types, 1 of each type is Accessible		

OK	ADA Requirement - 50% of Elevated Events required to be Accessible
Not OK	ADA Requirement - 9 Elevated Events Requires 3 Ground Event
Not OK	ADA Requirement - 9 Elevated Events Requires 3 different types of Ground Events
OK	ADA Requirement - Access required to at least 1 of each type of Ground Event

**PLAYGROUND MODERNIZATION PROJECT - updated proposal**

	Summer 2018	Summer 2019		
	Haynes	Noyes	Nixon	Loring
Playstructures (Little Tikes)	\$ 88,500.00	\$ 156,954.72	\$ 69,160.00	\$ 94,120.00
Surfacing	\$ 171,937.50	\$ 223,145.52	\$ 251,769.44	\$ 227,285.24
Hardscapes	\$ 300.00	\$ -	\$ 1,369.68	\$ -
Site Amenities	\$ -	\$ -	\$ -	\$ -
NJPA Discount	\$ (52,087.50)	\$ (76,020.05)	\$ (64,185.89)	\$ (64,281.05)
Installation	\$ 35,400.00	\$ 62,781.89	\$ 27,664.00	\$ 37,648.00
SubTotal	\$ 244,050.00	\$ 366,862.08	\$ 285,777.23	\$ 294,772.19
10% Contingency, Bid Docs, Architect Fees	\$ 31,726.50	\$ 47,692.07	\$ 37,151.04	\$ 38,320.38
<b>Total</b>	<b>\$ 275,776.50</b>	<b>\$ 414,554.15</b>	<b>\$ 322,928.27</b>	<b>\$ 333,092.58</b>

Summer 2018 - Total	Summer 2019 - Total	Grand Total
\$ 275,776.50	\$ 1,070,575.00	\$ 1,346,351.50

	2018	2019	Totals	
Cost	\$ (275,776.50)	\$ (1,070,575.00)	\$ (1,346,351.50)	
Fundraising for Additional Surfacing		\$ 50,000.00	\$ 50,000.00	
Buy-a-Brick	\$ 5,000.00	\$ 15,000.00	\$ 20,000.00	
Private Donations	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	
Business Donations	\$ 5,000.00	\$ 10,000.00	\$ 15,000.00	
Grants				
Massachusetts Office on Disabilities (MOD) *	See Note Below	\$ 100,000.00	\$ 100,000.00	
Sudbury Foundation		\$ 200,000.00	\$ 200,000.00	
Other		\$ 20,000.00	\$ 20,000.00	30.45%
<b>Need</b>	<b>\$ (263,276.50)</b>	<b>\$ (673,075.00)</b>	<b>\$ (936,351.50)</b>	
<b>Request from Town (CPA or other sources)</b>	<b>\$ 275,000.00</b>	<b>\$ 665,000.00</b>	<b>\$ 940,000.00</b>	69.82%
Net	\$ 11,723.50	\$ (8,075.00)	\$ 3,648.50	

\* Qualification for MOD grant dependent on the Town fulfilling ADA self-assessment requirements this year. Note: There's a grant for that too!

Note: We plan to start applying for grants in October 2018. Notifications will be received between January and May, so for accounting purposes, we have put those estimates in the 2019 column.

<b>Previous Proposal</b>	<b>\$ 1,700,000.00</b>
<b>Reduction</b>	<b>\$ 760,000.00</b>
<b>New Proposal</b>	<b>\$ 940,000.00</b>

Breakdown of the Reductions:	Breakdown of the Reductions:
~ \$50k	1) Fundraising for 1/2 of the cost of the additional surfacing beyond MAAB/ADA requirements.
~\$100k	2) Lowered Architectural Design / Bid Doc costs - After further discussion with vendors and other project leads (Concord), we were able to bring this down.
~\$250k	3) Took out the proposal for Curtis Middle School - Hopefully we can address this in a project in the future.
~\$35k	4) Took out Site Amenities - Tables and Shades and Exercise Equipment
~\$320k	5) Added projections for larger grants
	- The MOD grant will require the Town to do ADA assessment work this year.
	- The Sudbury Foundation grant number is what we will propose to them. We will apply in Oct and will hear their decision in the winter.
~\$15k	6) Increased General Fundraising (non-grant)