Daniel F. Ford Playground at Emerson Garden

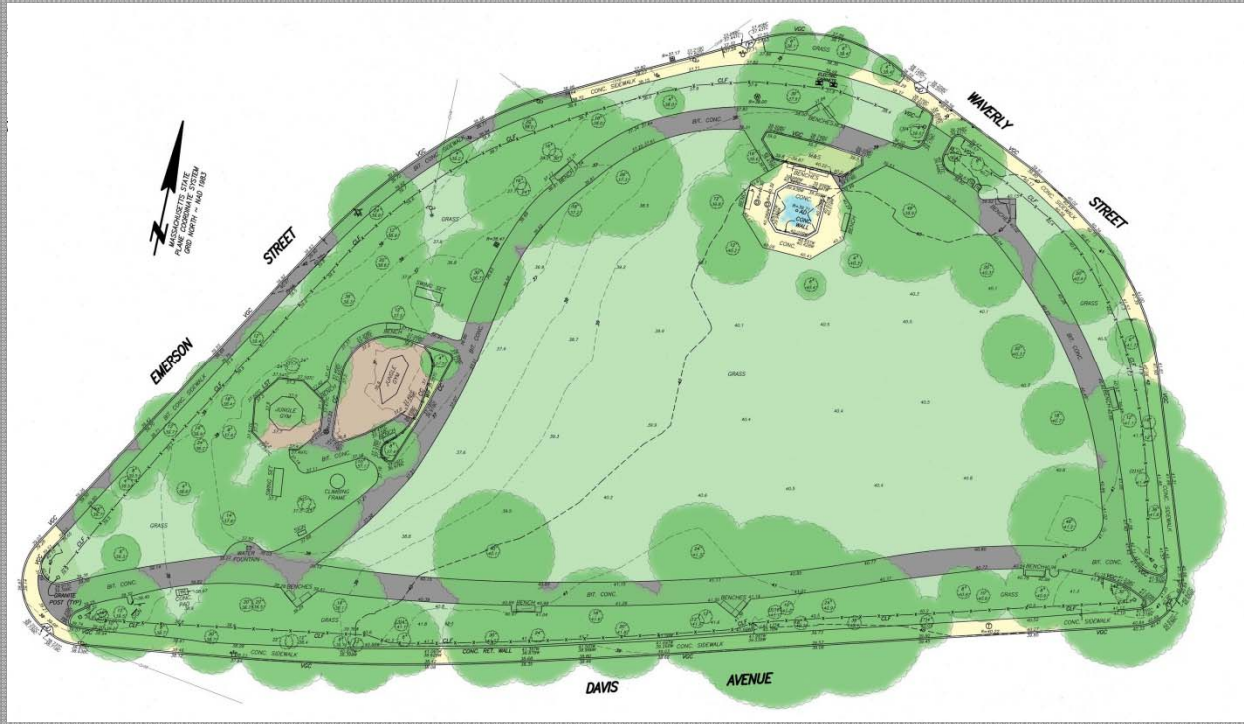
Welcome Everyone!

AGENDA

- Project Goals and Baseline Improvements
- Timeline
- Summary of Public Comments
- Presentation of Design Concept and Alternatives
- Presentation of Planting Approach
- Presentation of Playground Options
- Budget Review

Project Goals

- Improve Accessibility: ability for all ages and abilities to access the park
- Improve Safety: address site safety issues: play equipment, trip hazards, etc.
- Improve Grading and Drainage: adjust site elevations to allow stormwater to flow to working catch basins
- Upgrade Infrastructure: repair, refurbish or replace infrastructure that is in poor condition
- Accommodate multiple generations: placemaking as a way for everyone to feel like there is a place for them in the park.



Baseline Improvements

- Maintain the open lawn space, re-grade for stormwater and add adequate drainage

- Repair walkways to drain and be free of cracks

- Replace/supplement entry planting and provide appropriate irrigation and drainage

- Replace play equipment with elements and surfacing that meets current regulations

- Succession planting for trees

- Repair and/or replace utilities as needed

- Supplement/replace site furnishings

Timeline

Meeting Four:
Design Concept with Alternates and Budget Review
Nov. 7 2016

Site Walks:
October 8th and October 17th

Meeting Three:
Development of Design
Sept. 6 2016

Meeting Two:
Discussion of Alternatives
June 13, 2016

Evaluate Input and Determine Priorities

1

Meeting One:
Gather Input
April 26, 2016

2

Develop Alternative Designs

3

Design Refinement

4

Incorporate Comments and Prioritize with Costs

5

Meeting Five:
DRC Meeting
Design Concept and Cost Estimate
Dec. 6 2016

Join Us! What's Your Vision?

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Timeline and Progress

A

B

C

D

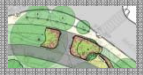
A

B

C

Concept Plan

Plus Alternatives



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Summary of Public Comments

- Maintain overall character of the existing setting
- Balance types of uses (passive and active)
- Accommodate all age groups including teens
- Expand play area for a mix of age groups
- Drainage needs to be improved
- Plantings: seasonal interest, irrigated, variety
- Consider historic context
- Consider fencing/gates to protect children from busy adjacent streets
- Entrances: continue to have signature garden
- Circulation: simple, similar to existing
- Gathering areas: varied, permanent picnic and maintain memorial benches

DESIGN CONCEPT AND ALTERNATIVES

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EMERSON GARDEN Brookline, MA

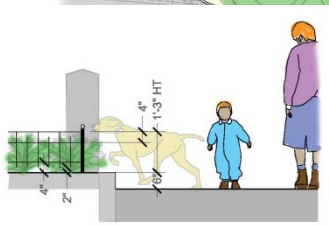
NOVEMBER 2016

CONCEPT PLAN

ENTRANCES
- Existing and extended curb and garden
- 14" ht. ornamental fence & existing bollards
- Signage

GATHERING / SEATING
- Gathering areas with varied seating and boulders
- Two picnic areas, plus one in playground
- Rhythm of memorial benches
- Bicycle racks

APPROACH TO PLAY
- Existing spray pad location with new activator
- 3' ht. fence around sides of playground with central transition zone



Entry Garden Edge

$\frac{1}{2}$"=1'-0"

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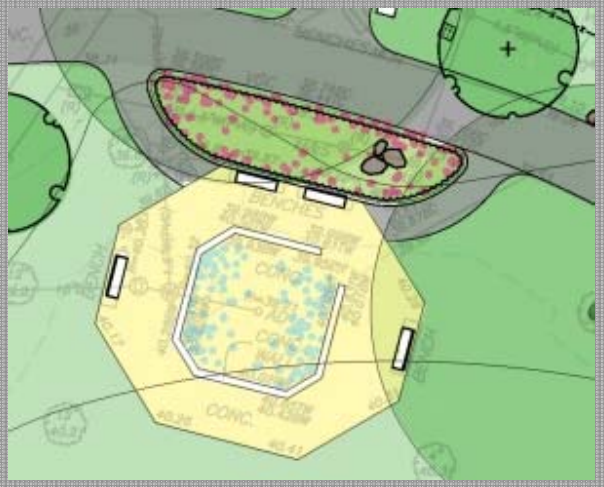
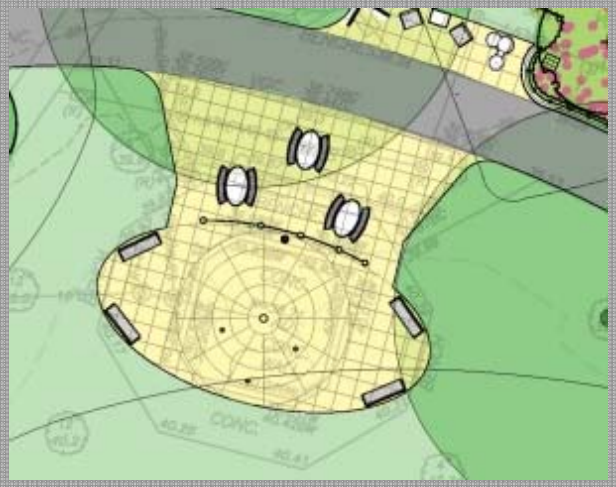
ALTERNATIVES: SPRAY PAD

Existing with minor renovations and new activator



Alternative: new concrete pad, activator and small flush jets



PLANTING APPROACH

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PLANTING APPROACH

GOALS

Garden Maintain overall "garden" character = color, seasonal interest, flowers, texture

Diversity Plant a diverse spectrum of species = arboretum

PLANTING APPROACH

OBJECTIVES

1. Existing Plants
   - Maintain and protect existing healthy trees
   - Maintain and protect or transplant existing healthy understory planting
   - Remove dying, threatened, end-of-life-span trees, shrubs, etc.

PLANTING APPROACH

OBJECTIVES

2. New Plantings - Trees
   - Trees for succession = to reach maturity and fill in canopy when older trees die
   - Variety of trees that have interesting form, color, flower, etc.

Acer griseum
Paperbark Maple
Full Sun to partial shade
30' ht, slow
Red Fall Color
Interesting Bark
Easy maintenance

Acer saccharum
Sugar Maple
Full Sun
60' ht., medium rate
Orange to Red Fall Color
Low maintenance, 20' from street

Cercidiphyllum japonicum
Katsuratree
Full Sun, sheltered
50' ht, fast
Orange Fall Color
Lower branching
Easy maintenance

Ginko biloba
Ginko
Full Sun
60' ht., slow
Yellow Fall Color
Interesting Leaf
High maintenance

Liriodendron tulipifera
Tuliptree
Full Sun
90' ht, fast
Yellow flowers
Gold Fall Color
High maintenance

Sassafras albidum
Sassafras
Full Sun to Partial Shade
60'. ht, medium
Interesting Leaves - yellow/red/purple fall color
Medium maintenance, control uckers

Amelanchier x grandiflora
Serviceberry
Full Sun to Partial Shade
25' ht., medium
White Flowers, Red Fall Color
Interesting bark
Low maintenance

Cornus florida 'Cherokee Princess'
Red Flowering Dogwood
Sun to Partial Shade
30' ht. Slow
Pink/Red Flowers, Red Fall Color
Interesting Form
Low maintenance

Prunus 'okame'
Okame Cherry
Full Sun to Partial Shade
30' ht.
Showy Pink Flowers, Interesting Bark
Low maintenance

Stewartia pseudocamellia
Japanese Stewartia
Sun and Shade
40' ht., slow
Red Fall Color
White Flowers and Molted Bark,
Low branching
Fussy; acidic soils; lots of mulch
Easy maintenance

Chamaecyparis pisifera 'Flifera'
Threadleaf Falsecypress
Full Sun to Partial Shade
30' ht., medium
Evergreen, Interesting Bark
Low maintenance

Picea abies
Norway Spruce
Full Sun
25' ht. medium
Evergeen, Pyramidal form
Low maintenance

Pinus thunbergii 'Thunderhead'
Thunderhead Japanese Black Pine
Full Sun
15' ht., 15' Wide
Interesting Form
Low Maintenance

Tsuga canadensis 'Pendula'
Weeping Hemlock
Full Sun to Full Shade
10' ht. slow
Evergeen, Weeping form
Occassional maintenance, shelte
and thick layer of mulch

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November 7, 2016

OBJECTIVES

PLANTING APPROACH

3. New Planting - Understory

- At entry gardens: augment or replace planting, flowering with interesting texture, low in height, simple palette, easy for DPW to maintain, with appropriate irrigation
- Inner edge plant beds – develop simple groundcover beds and flowering/seasonal interest specimen shrubs, easy for DPW to maintain
- Outer plant beds - aerate, amend existing soil, add topsoil & shallow planting

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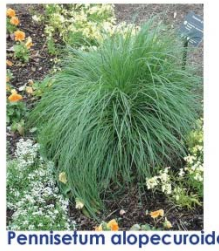
November 7, 2016

Alchemilla mollis
Lady's Mantle
PERENNIAL
Full Sun to Full Shade
18" ht.
Chartreuse Flowers Early- to Mid Summer
Low maintenance

Echinacea 'Balsomcor'
Sombrero Hot Coral Coneflower
PERENNIAL
Full Sun
18" ht.
Coral Pink Mid-Summer to Mid-Fall
Occasional maintenance

Microbiota decussata
Russian Cypress
EVERGREEN SHRUB
Full Sun to Full Shade
18" ht., slow, 8' wide
Evergreen
Low maintenance



Pennisetum alopecuroides 'Hameln'
Hameln Dwarf Fountain Grass
GRASS
Full Sun
28" ht., medium
Seasonal maintenance

Spirea japonica 'Goldmound'
Goldmound Spirea
DECIDUOUS SHRUB
Full Sun
3' ht., fast
Pink Flowers Late Spring to Early Summer
Golden Leaves
Occasional maintenance

Aster novae-angliae 'Purple Dome'
Purple Dome Aster
PERENNIAL
Full Sun to Partial Shade
18" ht. medium
Purple Flowers Late-Summer to Late Fall

Clethra alnifolia 'Hummingbird
Hummingbird Summersweet
DECIDUOUS SHRUB
Full Sun to Partial Shade
3' ht., slow
Fragrant, white flowers - Late Summer
Golden Fall Color

Cornus sericea 'Kelseyi'
Kelsey's Dwarf Red-osier Dogwoo
DECIDUOUS SHRUB
Partial Sun
30" ht.
Interesting Red Bark
Low maintenance

Hemerocallis 'Siloam Double Classic'
Siloam Double Classic Daylily
PERENNIAL
Full Sun to Partial Shade
12" ht.
Peach, Mid-Summer
Low maintenance

Ilex crenata 'Hoogendorn'
Hoogendorn Japanese Holly
EVERGREEN SHRUB
Full Sun to Partial Shade
3' ht., medium
Evergreen
Low maintenance, thick mulch

Nepeta x faassenii 'Purrsian Blue'
Purrsian Blue Catmint
PERENNIAL
Full Sun to Partial Shade
13" ht.
Periwinkle Blue, Early Summer to Fall
Occasional Maintenance

Phlox paniculata 'David'
David Garden Phlox
PERENNIAL
Full Sun to Partial Shade
3' ht.
White Flowers early Summer to early Fall
Leggy

Calamagrostis x acutiflora 'Karl Forester'
Karl Forester Reed Grass
GRASS
Full Sun to Partial Shade
5' ht., medium
Vertical Accent
Seasonal Maintenance

Potentilla fruticosa 'Mango Tango'
Mango Tango Potentilla
DECIDUOUS SHRUB
Full Sun to Partial Shade
24" ht., slow
Showy Yellow/Orange Flowers, July to Frost
Low maintenance

Potentilla fruticosa 'Pink Beauty'
Pink Beauty Potentilla
DECIDUOUS SHRUB
Full Sun to partial Shade
30" ht., slow
Pink Flowers, Late Sprig to Early Fall
Low maintenance

Sedum 'Autumn Joy'
Autumn Joy Stonecrop
PERENNIAL
Full Sun to Partial Shade
24" ht.
Pink Flowers, Late Summer to Late Fall
Low maintenance

Viburnum carlesii
Koreanspice Viburnum
DECIDUOUS SHRUB
Full Sun to Partial Shade
6' ht.
White Flowers in Early Spring
Very Fragrant
Red Fall Color
Low Maintenance, leggy

Hydrangea macrophylla 'Robert'
Let's Dance Moonlight Hydrangea
SHRUB
Full sun to Partial Shade
3' ht.
Bold Pink Flowers, Summer to late Fall
Occassional maintenance

Alchemilla mollis
Lady's Mantle
PERENNIAL
Full Shade to Full Sun
18" ht.
Chartreuse Flowers Early- to Mid Summer
Low maintenance

Astilbe japonica 'Deutschland'
Deutschland Astilbe
PERENNIAL
Full Shade to Partial Shade
18" ht.
White Flowers, early to mid-Summer
Low maintenance

Galium odoratum
Sweet Woodruff
PERENNIAL - Groundcover
Shade to Partial Shade
8" ht., White Flowers, Spring
Evergreen
Some maintenance

Hosta 'Big Daddy'
Big Daddy Hosta
PERENNIAL
Shade to Partial Shade
18" ht.
Large Leaves, Lavender/White Flower, early to mid-Summer
Low maintenance

Hosta 'Francee'
Francee Hosta
PERENNIAL
Shade to Partial Shade
18" ht.
Varigated Leaves,Lilac Purple Flowers, Summer
Low maintenance

Liriope muscari 'Variegata'
Variegata Lily Turf
PERENNUAL
Shade to Partial Shade
15"ht.
Varigated Leaves, Lavender Flowers, late Summer
Low maintenance

Microbiota decussata
Russian Cypress
EVERGREEN SHRUB
Full Shade to Full Sun
18" ht., slow, 8' wide
Evergreen
Low maintenance

Pachysandra terminalis
Japanese Spurge
EVERGREEN GROUNDCOVER
Shade to Partial Shade
12" ht.
White flowers, mid Spring
Occassional maintenance

Phlox divaricata
Woodland Phlox
PERENNIAL
Shade to Partial Shade
8" ht.
Prolific purple flowers, mid to late Spring
Occassional maintenace

Polystichum acrostichoidea
Christmas Fern
EVERGREEN FERN
Shade to Partial Shade
18" ht.
Fine texture
Low maintenance

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November 7, 2016

PLANTING APPROACH

4. Lawns

- Central lawn space: re-grade, topsoil and seed, improve irrigation
- Inner edges: aerate, add topsoil, use shade-loving seed mix

PLAYGOUND OPTIONS

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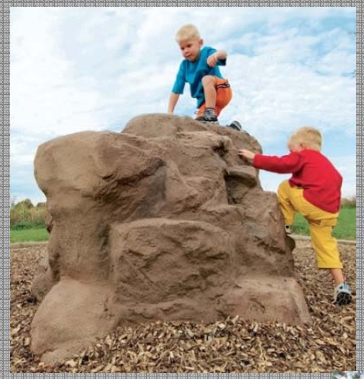
PLAYGROUND OPTIONS: Rocks and Ropes



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PLAYGROUND OPTIONS: Treehouses and Nature Play

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PLAYGROUND OPTIONS: Boats

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PLAYGROUND OPTIONS: 6 months to 5 years

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PLAYGROUND OPTIONS: Sculptural / Imagination Play

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PLAYGROUND OPTIONS: Swings and Spinners

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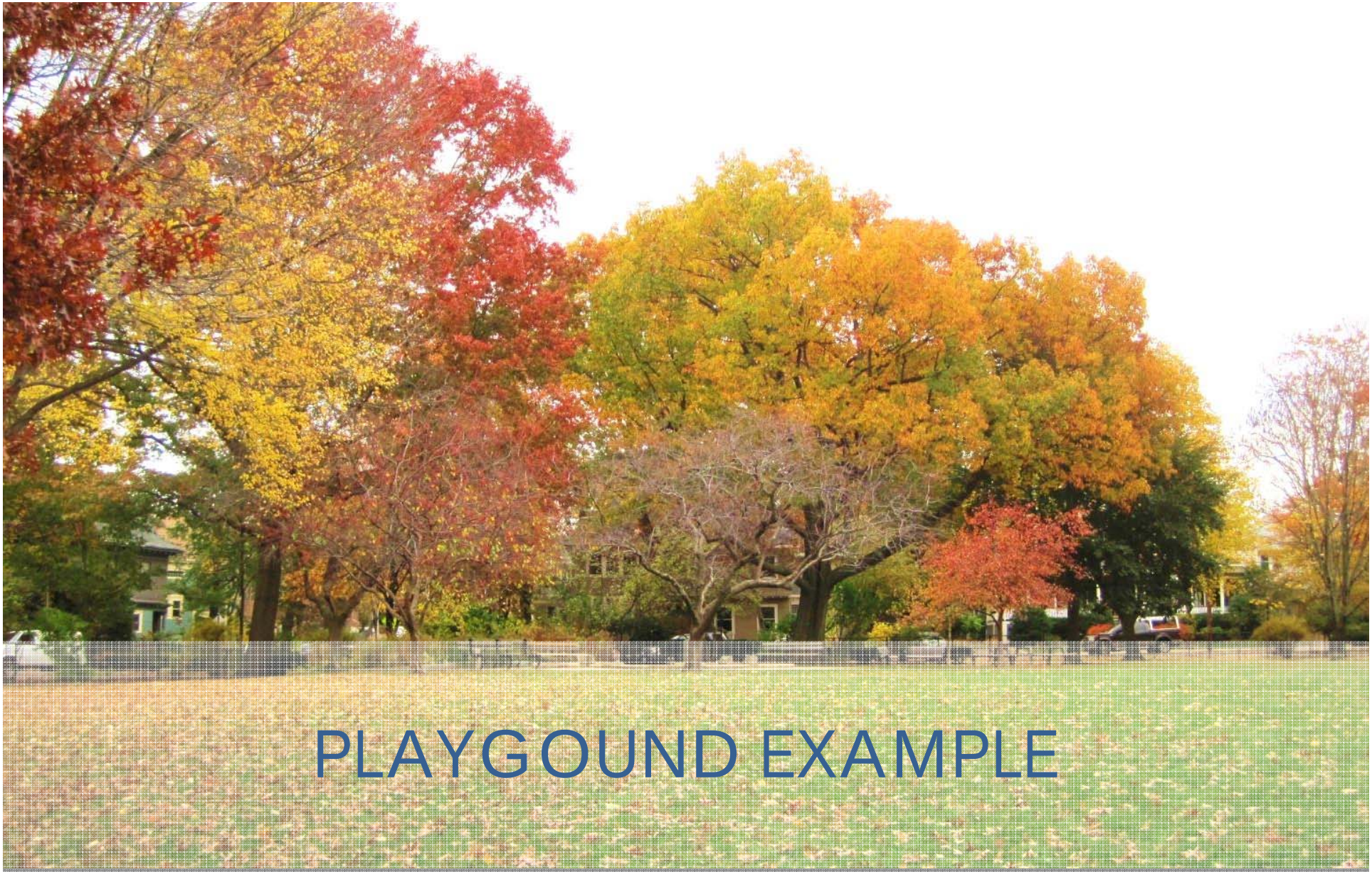

PLAYGOUND EXAMPLE

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PLAYGROUND EXAMPLE

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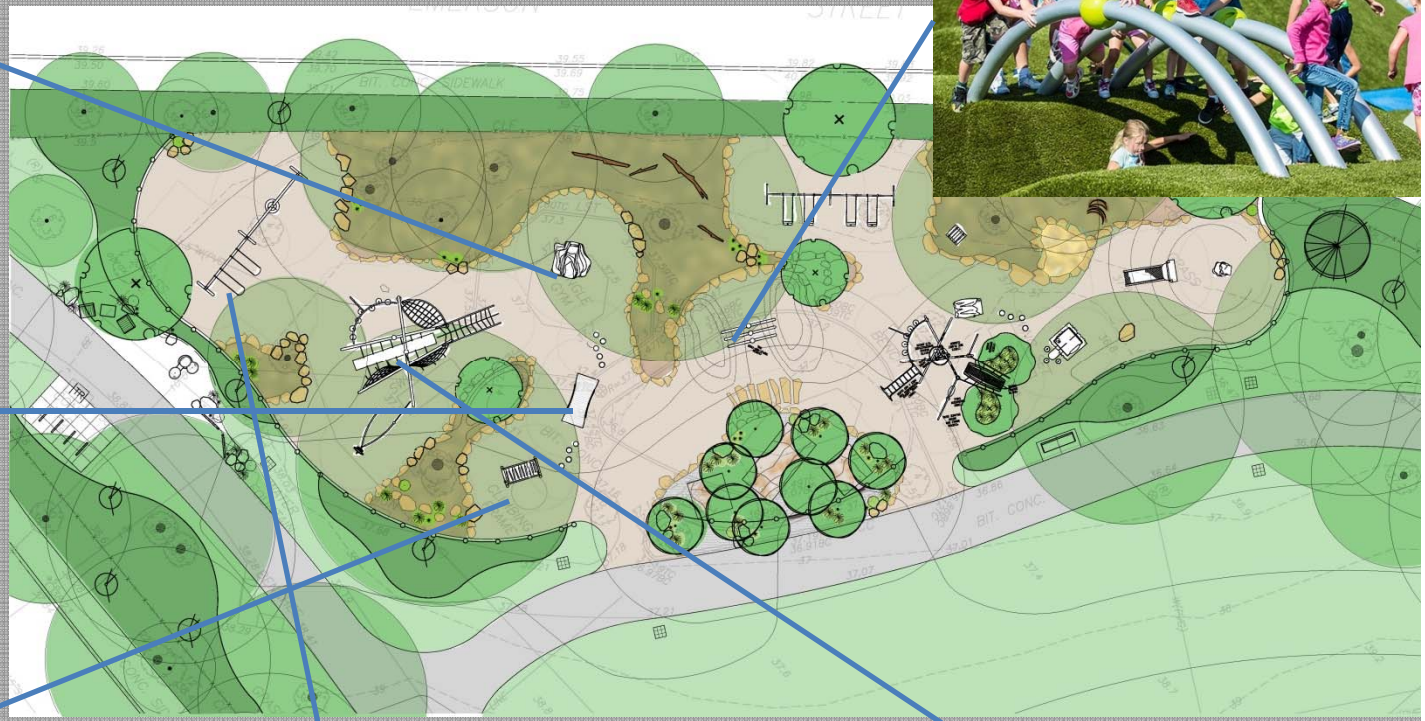

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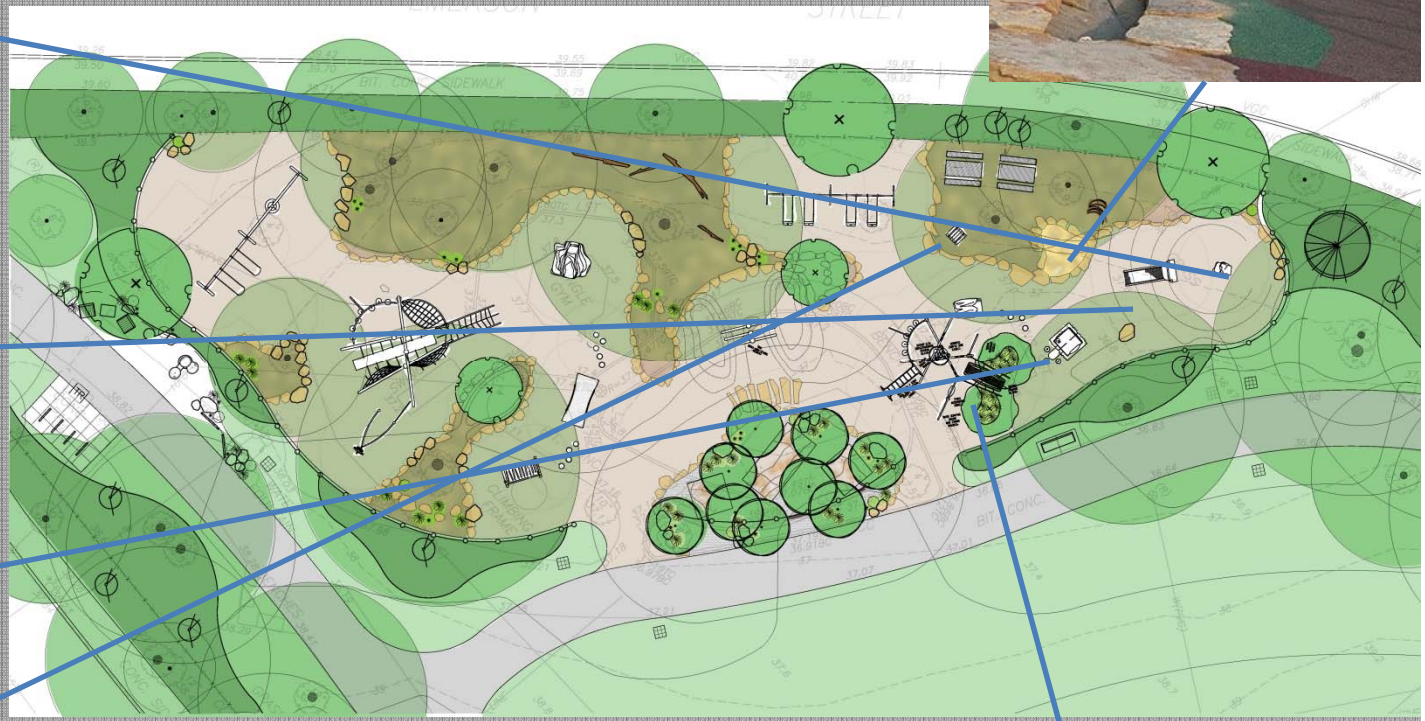
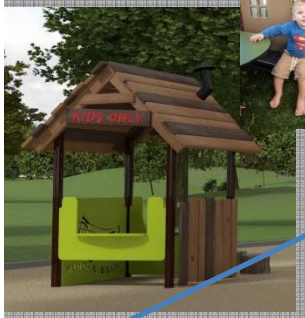
PLAYGROUND EXAMPLE





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SITE FURNISHINGS

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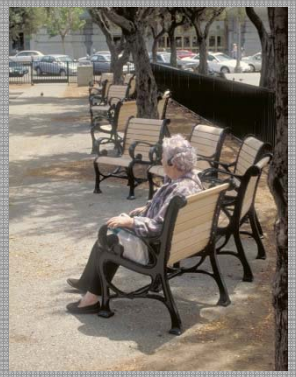
SITE FURNISHINGS OPTIONS



Columbia Cascade

Thomas Steele

SITE FURNISHINGS OPTIONS

SITE FURNISHINGS OPTIONS

Boston Bench

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BUDGET REVIEW

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BUDGET REVIEW

Construction Budget in the CIP: $770,000

Preliminary Cost Estimate:

Site Preparation and Demolition		$ 64,000
Earthwork		$ 22,000
Drainage and Utilities		$ 54,000
Paving and Curbing		$ 35,000
Entrances		$ 36,000
Site Improvements		$178,000
Playground (assumes $130,000 in equipment; ½ Mulch ½ PIP play surface)		$310,000
Planting – inside fence		$ 22,000
Planting – outside fence		$ 17,000
Lawns and Tree Planting		$ 54,000
	TOTAL	**$792,000***

Add Alternative

New Spray Pad	ADD	$ 55,000

*Does not include contingencies

Considerations

- Spray Pad
- Playground surfacing: Poured-in-Place versus Wood Mulch
- Flush Stone Edge versus Flush Concrete Edge
- Groundcover beds versus lawn
- Phase in Furniture

OPEN DISCUSSION

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Open Discussion

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Open Discussion

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Contact Information

Your input is valuable - Please contact us with your ideas!

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