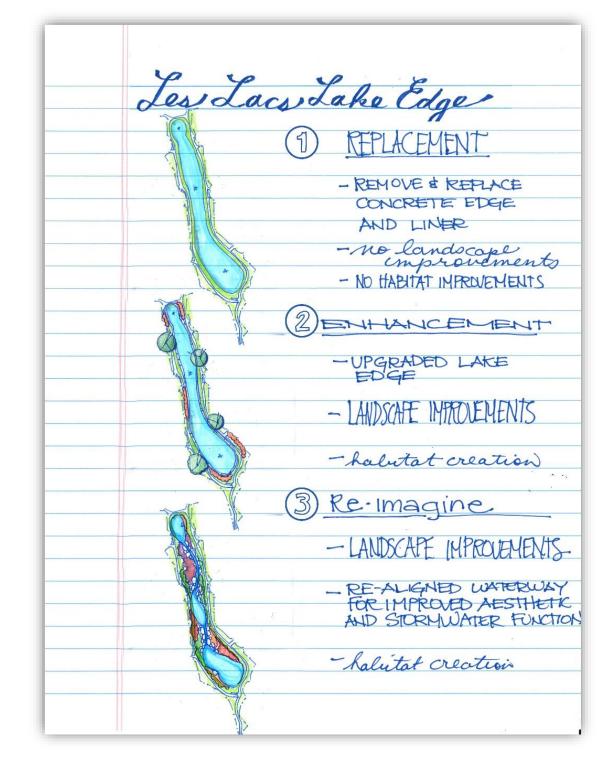




# **Design Options**

- Information to be provided
  - 3 Options
    - Replace Existing Pond Liner and Concrete Edge
    - Replace Existing Pond Liner and Concrete Edge Plus Landscape Improvements
    - Re-design Pond Layout
  - Financial Impacts
    - Projected Improvement Cost
    - Maintenance Cost
    - Funding Options
- Information to be gathered
  - Preferred option for each section

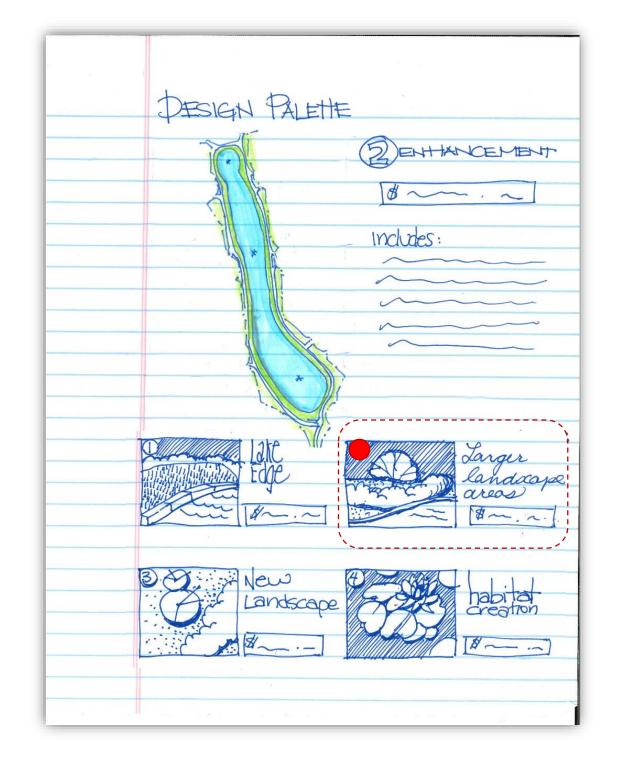


4/3/2019

3

# **Design Options**

- Summary of the different project elements
- Summary of the potential project costs
- Clear direction for staff and the consultants
- Manage Expectations



4/3/2019









OPPORTUNITY: ADD LIGHTING AND NEW FOUNTAIN HEADS

OPPORTUNITY: UPGRADE PET

OPPORTUNITY: UPGRADE TRASH RECEPTACLES

OPPORTUNITY: ENHANCE WATERFALL AREA WITH LED LIGHTING AND CLEANING OF ROCKS

OPPORTUNITY: FITNESS STATIONS ALONG WALK

#### **VEGETATION**

OPPORTUNITY: ADD ENHANCED

LANDSCAPE

CONSTRAINT: PRESERVE TREES

OPPORTUNITY: SEATING AT VITEX

CONSTRAINT: PRESERVE TREES

CONSTRAINT: PRESERVE TREES

**BUFFER AT LOTS** OPPORTUNITY: REDUCE

MAINTENANCE COSTS BY PARTIAL REDUCTION IN TURF COVERAGE

CONSTRAINT: NARROW

CONDITIONS BY FENCE LOTS

OPPORTUNITY: LANDSCAPE

#### UTILITIES



CONSTRAINT: HAZARDOUS CONDITION NEXT TO OVERFLOW OPPORTUNITY: TRASH RACK

ELECTRICAL ENCLOSURE

#### **SITEWORK**



OPPORTUNITY: MANAGE SURFACE WATER RUNOFF BEFORE ENTERING POND

CONSTRAINT: LIMESTONE SUB-LAYER

OPPORTUNITY: IMPROVE AESTHETICS AND REDUCE MAINTENANCE BY SMOOTHING POND EDGE

OPPORTUNITY: STEPPED WALLS AT STEEP SLOPES





OPPORTUNITY: ROOT BARRIER TO PROTECT SIDEWALKS AND POND LINER































### **LEGEND**

- PROPERTY BOUNDARY
- EXISTING FOUNTAINS
- EXISTING DECK AND WATERFALL
- **EXISTING TREES TO** REMAIN
- EXISTING CONCRETE **FLUME**

- PROPOSED RETAINING WALLS
- MAKE WALK ADA ACCESSIBLE
- PROPOSED POND OVERFLOW TRASH RACK
- PROPOSED SMOOTHING OF ENTIRE PERIMETER POND
- APPLY STONE VENEER TO OUTFALL STRUCTURE

#### DESIGN TIMELINE: 4 - 6 MONTHS

CONSTRUCTION TIMELINE: 6 - 8 MONTHS

BASE COST - POND DEMOLITION, NEW LINER AND NATURAL EDGE: \$790,000

CONCEPT OPTION 1 - POND LANDSCAPE, AMENITY AND SITE IMPROVEMENTS: \$297,000

MATERIALS TESTING, CONSTRUCTION ADMINISTRATION, PERMITTING, LANDSCAPE

ARCHITECTURE AND ENGINEERING, & SURVEYING SERVICES: \$271,750

TOTAL PROBABLE COST: \$1,358,750.00

#### NOTES:

OPTION 1 INCLUDES THE MINIMUM WORK REQUIRED TO REPLACE THE LINER, MEET ADA REQUIREMENTS AND SMOOTH OUT THE POND EDGE TO IMPROVE MAINTENANCE.

















- PROPERTY BOUNDARY
- NEW FOUNTAINS WITH LED
- EXISTING WATERFALL WITH PROPOSED LED LIGHTING AND **CLEANING OF ROCKS**
- PRESERVE EXISTING TREES AND ADD UPLIGHTING (\*)
- EXISTING CONCRETE FLUME WITH PROPOSED RAIN GARDEN AND STONE BOULDERS
- PROPOSED RETAINING WALLS

- WIDEN WALKS TO 8' AND CREATE CURVILINEAR ALIGNMENT
- PROPOSED POND OVERFLOW TRASH RACK
- PROPOSED SMOOTH POND FORM AND CONCRETE EDGE
- PROPOSED SMOOTH POND FORM AND NATURAL LANDSCAPE EDGE
- PROPOSED SMOOTH POND FORM AND STONE EDGE

PROPOSED ART

- - PROPOSED FITNESS STATIONS ALONG WALK

EXISTING DECKING WITH

PROPOSED MOVABLE SEATING AND GAME AREA

- PROPOSED BOARDWALK
- PROPOSED BRIDGE
- PROPOSED MEANDERING
- PROPOSED AQUATIC

- PROPOSED EDUCATIONAL SIGNAGE
- PROPOSED ROOT BARRIER TO PROTECT SIDEWALKS AND POND
- NUTRIENT/DEBRIS COLLECTION

DESIGN TIMELINE: 6 - 8 MONTHS

CONSTRUCTION TIMELINE: 9 - 12 MONTHS

BASE COST - POND DEMOLITION AND RECONSTRUCTION OF POND LINER: \$790,000 CONCEPT OPTION 2 - POND LANDSCAPE, AMENITY AND SITE IMPROVEMENTS: \$2,637,000 MATERIALS TESTING, CONSTRUCTION ADMINISTRATION, PERMITTING, LANDSCAPE ARCHITECTURE AND ENGINEERING, & SURVEYING SERVICES: \$856,750

TOTAL PROBABLE COST: \$4,283,750.00

#### NOTES:

**OPTION 2 INCLUDES** ITEMS SHOWN IN OPTION 1 AND RECOMMENDED ENHANCEMENTS. THE **ENHANCEMENTS WILL** BE PRIORITIZED BY COMMUNITY INPUT.









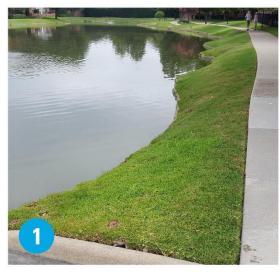






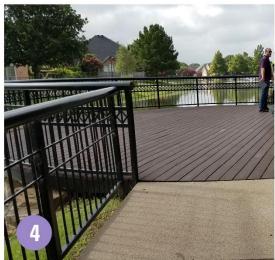
### **COMMENT CARD** Address # Years of Residency Male or Female Fmail Owner or Renter Phone **EDGE CONDITIONS** - Choose from one of the following options: NATURAL EDGE ONLY (\$0) – Earthen edge with sod gently sloping and terminating at water line. CONCRETE EDGE ONLY (\$632,185) - Formed concrete border approximately 12" wide. Color and finish to be determined. **STONE EDGE ONLY (\$632,185)** – Decorative stone edge to be chosen per residents' preferences. C1) Flagstone edge at consistent width (\$). C2) Stone cap, 18" wide, to hang over water's edge (\$\$). C3) Stone blocks provide seating along edge (\$\$\$) NATURAL, CONCRETE, AND STONE EDGES (\$493,200) - All three materials (36% Natural / 42% Concrete / 22% Stone Blocks) to be used throughout the site as shown in Option 2. NO PREFERENCE **PLANTING** - Choose from one of the following options: NATIVE PLANTINGS (\$792,600) – Variety of container grown native Texas grasses to undulate along the pond edge varying from 24"-36" in height. HYBRID (\$792,600) - Variety of native Texas grasses and formal planting. Pockets of native Texas grasses integrated with formal planting to meander along the pond edge. FORMAL (\$792,600) – Variety of container grown formal shrubs and groundcover. Plant types to match existing formal landscape aesthetic and undulate along pond edge. Provides opportunity for evergreen plant material to maintain seasonal interest year round. NO PREFERENCE **INTERACTIVE AMENITIES** - Choose from one or more of the following options: GAMES (\$36,250) – Table games to promote community engagement. MOVEABLE SEATING (\$81,500) – Moveable chairs, benches, and tables located on existing decking. FITNESS STATIONS (\$101,500) - Groupings of two to three metal fitness stations along walking path to provide exercise opportunities. NO PREFERENCE NONE OF THE ABOVE **SITE IMPROVEMENT AMENITIES** - Choose from one or more of the following options: RETAINING WALLS (\$96,300) - Utilize stone block walls to provide gentle grade change along pond edge. MEANDERING WALKS (\$401,665) – Undulate straight portions of the concrete walk to provide enhanced walking experience. BRIDGE (\$188,500) - Provide an additional circulation route and an opportunity for pedestrians to better engage with the water. Bridge to be metal that is painted black. BOARDWALK (\$290.000) - Provide an additional circulation route and an opportunity for pedestrians to better engage with the water. Boardwalk to be concrete with wooden rails. NO PREFERENCE NONE OF THE ABOVE **ENVIRONMENTAL AMENITIES** - Choose from one or more of the following options: EDUCATIONAL SIGNAGE (\$29,000) - Attractive, durable, pedestal signage along trail to educate users about the pond ecosystem. **AQUATICS (\$229,000)** – Aquatic plant material set within the pond to catch and filter stormwater runoff from the neighborhood. RAIN-GARDEN (\$43,500) — Catch and filter stormwater runoff from the streets by converting concrete flumes into rain-gardens. **NO PREFERENCE** NONE OF THE ABOVE **AESTHETIC IMPROVEMENT AMENITIES** - Choose from one or more of the following options: 🔲 FOUNTAIN AND LED LIGHTING (\$61,625) – Provide an attractive and functional fountain for water aeration and circulation. Add LED lights. ART (\$0) – Provide visual interest with art chosen by the Addison Arbor Foundation. **LIGHT (\$68,150)** – Provide fifteen tree uplights to enhance evening park experience. NO PREFERENCE

NONE OF THE ABOVE

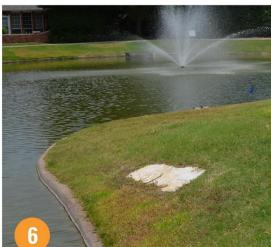












## 1 EDGE CONDITIONS



Description - Earthen edge with sod gently sloping and terminating at water line.

Cost - \$0



Description - Formed concrete border approximately 12" wide. Color and finish to be determined.

Cost - \$632,185







Description - Decorative stone edge to be chosen per residents' preferences. C1) Flagstone edge at consistent width (\$). C2) Stone cap, 18" wide, to hang over water's edge (\$\$). C3) Stone blocks provide seating along edge (\$\$\$).

Cost - \$632,185







Description - All three materials (36% Natural / 42% Concrete / 22% Stone Blocks) to be used throughout the site as shown in Option 2.

Cost - \$493,200



## 2 PLANTING



Description - Variety of container grown native Texas grasses to undulate along the pond edge varying from 24"-36" in height.

Cost - \$792,600



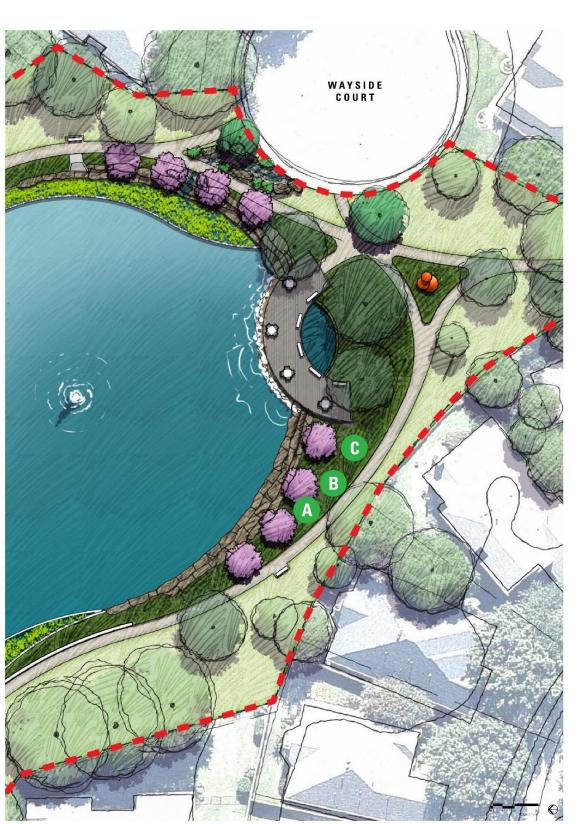
Description - Variety of native Texas grasses and formal planting. Pockets of native Texas grasses integrated with formal planting to meander along the pond edge.

Cost - \$792,600



Description - Variety of container grown formal shrubs and groundcover. Plant types to match existing formal landscape aesthetic and undulate along pond edge. Provides opportunity for evergreen plant material to maintain seasonal interest year round.

Cost - \$792,600



## 3 INTERACTIVE AMENITIES







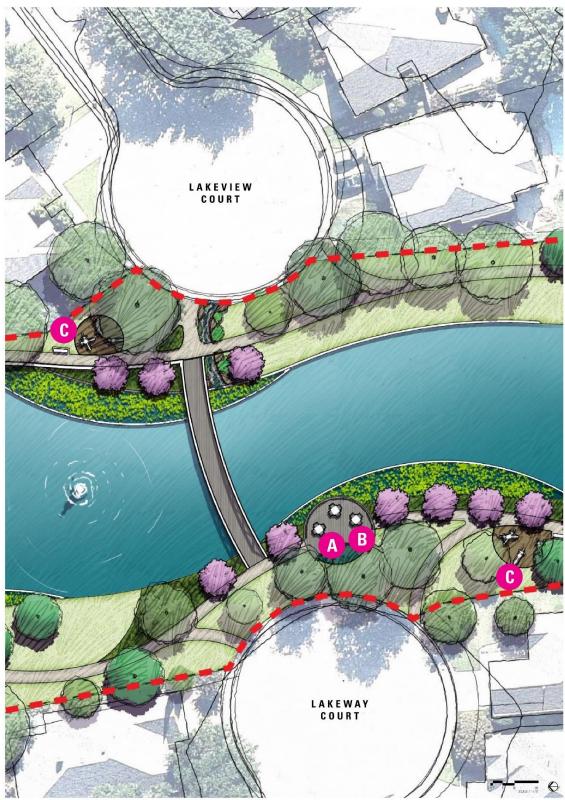
Description - Table games to promote community engagement. Cost - \$36,250



Description - Moveable chairs, benches, and tables located on existing decking. Cost - \$81,500



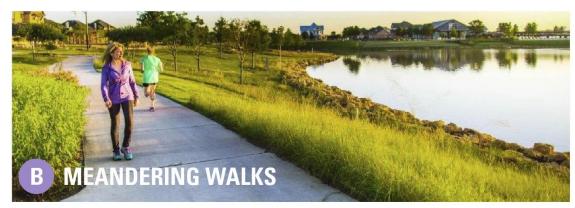
Description - Groupings of two to three metal fitness stations along walking path to provide exercise opportunities. Cost - \$101,500



### 4 SITE IMPROVEMENT AMENITIES



Description - Utilize stone block walls to provide gentle grade change along pond edge. Cost - \$96,300

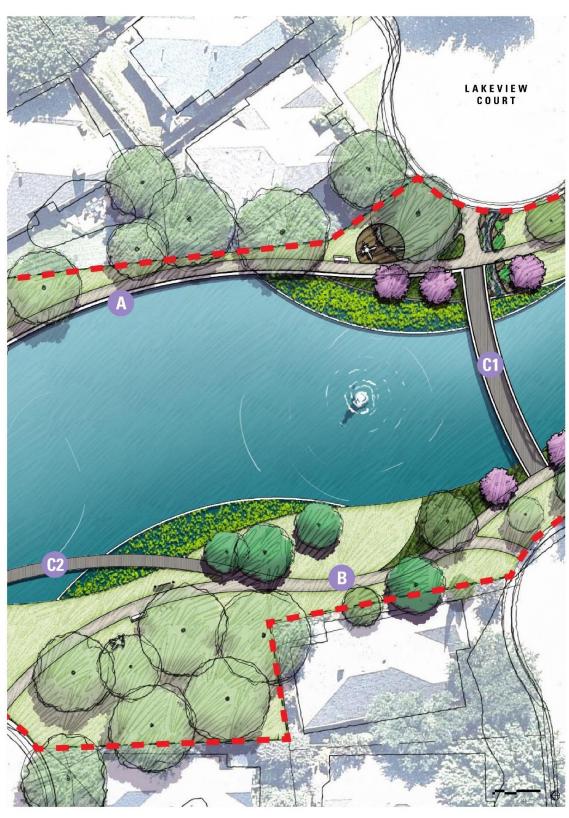






Description - Provide an additional circulation route and an opportunity for pedestrians to better engage with the water. Bridge to be metal that is painted black. Boardwalk to be concrete with wooden rails.

Cost - C1 Bridge \$188,500 / C2 Boardwalk \$290,000



## 5 ENVIRONMENTAL AMENITIES



Description - Attractive, durable, pedestal signage along trail to educate users about the pond ecosystem. Cost - \$29,000



Description - Aquatic plant material set within the pond to catch and filter stormwater runoff from the neighborhood. Cost - \$229,000



Description - Catch and filter stormwater runoff from the streets by converting concrete flumes into rain-gardens. Cost - \$43,500



### 6 AESTHETIC IMPROVEMENT AMENITIES



Description - Provide an attractive and functional fountain for water aeration and circulation. Add LED lights. Cost - \$61,625



Description - Provide visual interest with art chosen by the Addison Arbor Foundation. Cost - \$0

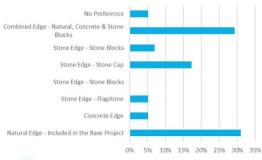


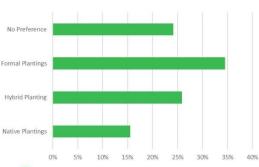
Description - Provide tree uplights to enhance evening park experience.

Cost - \$68,150



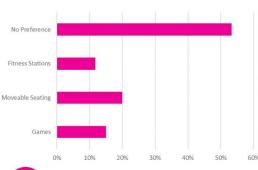
### COMMENT CARD Address # Years of Residency Male or Female Fmail Owner or Renter Phone **EDGE CONDITIONS** - Choose from one of the following options: NATURAL EDGE ONLY (\$0) – Earthen edge with sod gently sloping and terminating at water line. CONCRETE EDGE ONLY (\$632,185) - Formed concrete border approximately 12" wide. Color and finish to be determined. STONE EDGE ONLY (\$632.185) - Decorative stone edge to be chosen per residents' preferences. C1) Flagstone edge at consistent width (\$). C2) Stone cap, 18" wide, to hang over water's edge (\$\$). C3) Stone blocks provide seating along edge (\$\$\$) NATURAL, CONCRETE, AND STONE EDGES (\$493,200) - All three materials (36% Natural / 42% Concrete / 22% Stone Blocks) to be used throughout the site as shown in Option 2. NO PREFERENCE **PLANTING** - Choose from one of the following options: NATIVE PLANTINGS (\$792,600) – Variety of container grown native Texas grasses to undulate along the pond edge varying from 24"-36" in height. HYBRID (\$792,600) - Variety of native Texas grasses and formal planting. Pockets of native Texas grasses integrated with formal planting to meander along the pond edge. FORMAL (\$792,600) – Variety of container grown formal shrubs and groundcover. Plant types to match existing formal landscape aesthetic and undulate along pond edge. Provides opportunity for evergreen plant material to maintain seasonal interest year round. **□** NO PREFERENCE **INTERACTIVE AMENITIES** - Choose from one or more of the following options: GAMES (\$36,250) – Table games to promote community engagement. MOVEABLE SEATING (\$81,500) – Moveable chairs, benches, and tables located on existing decking. FITNESS STATIONS (\$101,500) - Groupings of two to three metal fitness stations along walking path to provide exercise opportunities. NO PREFERENCE NONE OF THE ABOVE **SITE IMPROVEMENT AMENITIES** - Choose from one or more of the following options: RETAINING WALLS (\$96,300) - Utilize stone block walls to provide gentle grade change along pond edge. MEANDERING WALKS (\$401,665) - Undulate straight portions of the concrete walk to provide enhanced walking experience. BRIDGE (\$188,500) - Provide an additional circulation route and an opportunity for pedestrians to better engage with the water. Bridge to be metal that is painted black. BOARDWALK (\$290.000) - Provide an additional circulation route and an opportunity for pedestrians to better engage with the water. Boardwalk to be concrete with wooden rails. **□** NO PREFERENCE NONE OF THE ABOVE **ENVIRONMENTAL AMENITIES** - Choose from one or more of the following options: EDUCATIONAL SIGNAGE (\$29,000) — Attractive, durable, pedestal signage along trail to educate users about the pond ecosystem. **AQUATICS (\$229,000)** – Aquatic plant material set within the pond to catch and filter stormwater runoff from the neighborhood. RAIN-GARDEN (\$43,500) — Catch and filter stormwater runoff from the streets by converting concrete flumes into rain-gardens. **NO PREFERENCE** NONE OF THE ABOVE **AESTHETIC IMPROVEMENT AMENITIES** - Choose from one or more of the following options: FOUNTAIN AND LED LIGHTING (\$61,625) - Provide an attractive and functional fountain for water aeration and circulation. Add LED lights. ART (\$0) – Provide visual interest with art chosen by the Addison Arbor Foundation. **LIGHT (\$68,150)** – Provide fifteen tree uplights to enhance evening park experience. NO PREFERENCE NONE OF THE ABOVE

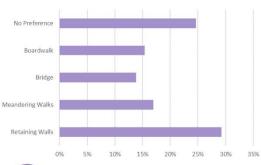






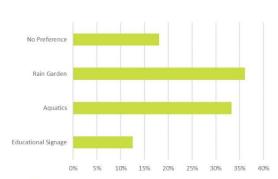


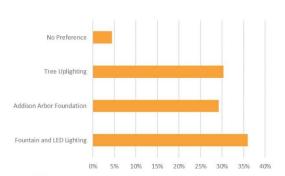




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5



NO PREFERENCE NONE OF THE ABOVE

STAFF RECOMME	ENDATION
Name	Age
Address	# Years of Residency
Email	Male or Female
Phone	Owner or Renter
NATURAL EDGE ONLY (\$0) – Earthe CONCRETE EDGE ONLY (\$632,185)	ng over water's edge (\$\$).
NATURAL, CONCRETE, AND STON	JE EDGES (\$493,200) - All three materials (36% Natural / 42% Concrete / 22% Stone Blocks) to
be used throughout the site as shown  NO PREFERENCE	Lin Uption Z
planting to meander along the pond et  FORMAL (\$792,600) — Variety of come aesthetic and undulate along pond ed  NO PREFERENCE  INTERACTIVE AMENITIES - C  GAMES (\$36,250) — Table games to p  MOVEABLE SEATING (\$81,500) — N	tainer grown formal shrubs and groundcover. Plant types to match existing formal landscape lige. Provides opportunity for evergreen plant material to maintain seasonal interest year round choose from one or more of the following options:
NONE OF THE ABOVE	
SITE IMPROVEMENT AMENI	TIES - Choose from one or more of the following options:
	ilize stone block walls to provide gentle grade change along pond edge.
	<ul> <li>Undulate straight portions of the concrete walk to provide enhanced walking experience.</li> <li>litional circulation route and an opportunity for pedestrians to better engage with the water.</li> </ul>
Bridge to be metal that is painted blad  BOARDWALK (\$290,000) – Provide a	ck. an additional circulation route and an opportunity for pedestrians to better engage with the water.
Boardwalk to be concrete with woode  NO PREFERENCE	an rails.
NONE OF THE ABOVE	
ENVIRONMENTAL AMENITIE	S - Choose from one or more of the following options:
	) – Attractive, durable, pedestal signage along trail to educate users about the pond ecosystem.
AQUATICS (\$229,000) – Aquatic plar	nt material set within the pond to catch and filter stormwater runoff from the neighborhood.
RAIN-GARDEN (\$43,500) – Catch ar NO PREFERENCE	nd filter stormwater runoff from the streets by converting concrete flumes into rain-gardens.
NONE OF THE ABOVE	
	AMENITIES - Choose from one or more of the following options:
Add LED lights.	61,625) — Provide an attractive and functional fountain for water aeration and circulation.
The second control of	th art chosen by the Addison Arbor Foundation.
LIGHT (\$68 150) - Provide fifteen tree	e uplights to enhance evening park experience.

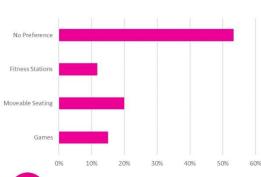
Base Project: **Recommended Amenities:** Total Recommended Project:

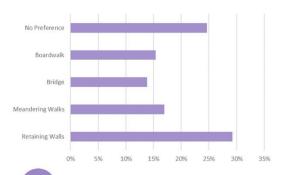
3,133,125 Formal Plantings Hybrid Planting 10% 15% 20% 25% 30% 35% 40%

1,358,750

1,784,375

Combined Edge - Natural, Concrete & Stor Blocks Stone Edge - Stone Blocks Stone Edge - Stone Cap Stone Edge - Stone Blocks Stone Edge - Flagstone Natural Edge - Included in the Base Project 0% 5% 10% 15% 20% 25% 30% 35%





3



