

# Agenda Minnetonka Parks & Recreation Board

Wednesday, September 7, 2016

7 p.m.

Minnetonka City Hall – Minnehaha Room

## **P**arks & Recreation

### **Board Vision**

A city with outstanding parks and recreational opportunities within a valued natural environment.

### **Board Mission**

The mission of the Minnetonka Parks & Recreation Board is to proactively advise the City Council, in ways that will:

- » **Protect & enhance** Minnetonka's natural environment
- » **Promote quality** recreation opportunities and facilities
- » **Provide a forum for** citizens interested in our parks, trails, athletic fields and open space

#### 1. Roll Call

- |   |   |
|---|---|
| <input type="checkbox"/> Jack Acomb     | <input type="checkbox"/> Chris Gabler       |
| <input type="checkbox"/> Nelson Evenrud | <input type="checkbox"/> Marvin Puspoki     |
| <input type="checkbox"/> Cynthia Kist   | <input type="checkbox"/> Chair Elise Raarup |
| <input type="checkbox"/> Peggy Kvam     | <input type="checkbox"/> Madeline Seveland  |

#### 2. Approval of Minutes

A) August 3, 2016

#### 3. Citizens wishing to discuss items not on the Agenda

#### 4. Business Items

- A) **Consideration of a staff recommendation to add sports lighting to the Civic Center athletic field**
- B) **Consideration of pickleball site concepts**
- C) **Receive a request for the addition of mountain biking trails**
- D) **Consideration of a partnership to restore habitat on Minnetonka School District and City of Minnetonka property**

#### 5. Park Board Member Reports

#### 6. Information Items

#### 7. Upcoming Park Board Agenda Items

#### 8. Adjournment

**1. Roll Call**

Park Board members in attendance included Jack Acomb, Nelson Evenrud, Chris Gabler, Cindy Kist, Peggy Kvam, Elise Raarup and Madeline Seveland. Staff members in attendance included Jo Colleran, Ann Davy, Darin Ellingson, Dave Johnson, Kelly O'Dea, Mike Pavelka and Sara Woeste.

Chair Raarup called the meeting to order at 7 p.m.

**2. Approval of Minutes**

Evenrud moved and Gabler seconded a motion to approve the meeting Minutes of April 6, 2016 as submitted. All voted "Yes". Motion carried.

**3. Citizens Wishing to Discuss Items Not on the Agenda**

None

**4. Business Items**

**A. Neighborhood Meeting – Civic Center Athletic Field Lighting**

Sara Woeste, Recreation Services Programming and Special Events Manager, provided the introduction. Woeste noted that the 2012 Athletic Field Needs Study (AFNS) indicates that the most significant needs related to athletic fields in the city are for field sports such as soccer, lacrosse, football and rugby. Woeste further noted that the AFNS recommends the lighting of existing fields such as the Civic Center to address the shortages in place.

Woeste indicated that the Civic Center fields are designated primarily for youth use. Woeste added that the use of lights in the summer time would be minimal, with the greatest need being in the months of May, September and October. To be consistent with other lighted fields in the city, the lights at the Civic Center would not be permitted for use past 9:45 p.m.

Woeste closed by stating that the lighting of the fields is contingent upon park board and city council approval; as well as successfully receiving a Hennepin County Youth Sports Grant for the project. Woeste noted that the application process will be this fall and that city funding is included in the 2017 Capital Improvements Program (CIP).

Woeste introduced Craig Gallop of Musco Lighting. Gallop indicated that he has been a resident of Minnetonka for about 25 years and has been involved in the lighting of several athletic fields in the city. Gallop noted that the Civic Center

provides the ideal lighting situation due to the proximity of the nearest homes by his estimates being over 500 feet away.

Gallop provided a brief history of athletic field lighting to illustrate how far lighting has come. Gallop mentioned that the latest trend is moving from standard metal halide lighting to LED lighting. While currently more expensive, Gallop indicated that he feels the cost for LED lighting will begin to come down over the next few years. Gallop reviewed light spill designs in place, warranty information, and indicated that the lights would be controlled through technology so that they can only be programmed for use by city staff.

Chair Raarup opened the floor to resident comments.

Vincent Troy, 14852 Timberhill Road asked what the expected cost of the project was. Gallop responded that LED lighting would cost \$165,000 compared to \$128,000 for metal halide. Woeste added that the CIP includes \$75,000 in city costs and \$75,000 through a Hennepin County Youth Sports Grant. Troy asked what the cost for maintenance would be. Gallop indicated that maintenance was included in the cost.

Earl Jensen, 14855 Timberhill Road, asked if the mailing had gone to residents on the north side of the creek. Woeste indicated it had. Jensen provided a history of past opposition residents from north of the creek; namely their concerns several years back regarding a community building being placed on that site. Jensen then asked if there would be adequate parking for the increased play. Woeste responded that there would not be an increase in the number of people on site at any given time, only that the hours of play could be extended in the months of May, September and October.

Jane Sweet, 3124 Minnehaha Creek, indicated that when the fields were constructed, neighbors were told there would not be lights. Sweet added that from her property, she can see increased lighting from city buildings and parking areas. Thus, she believes that the field lighting will be visible from her home. Darin Ellingson, Public Works Streets & Parks Operations Manager, reported that the city's engineering department is working on a campus-wide plan to program lights more efficiently and economically. Ellingson felt that this would reduce the impact nearby residents might be currently seeing.

Vincent Troy, 14852 Timberhill Road asked if there would be increased costs for labor on the fields. Ellingson indicated there would not be additional costs.

Hearing no further requests from resident comments, Raarup closed the public comments portion of the meeting and asked for park board member questions and comments.

Acomb asked for an explanation on the differences between LED and metal halide lighting. Gallop responded by saying that LED lighting has tighter spill control, requires less electrical use and has an immediate on/off ability unlike metal halide that takes time to cool and regenerate.

Kvam asked if there were any athletic field LED applications in the immediate are. Gallop indicated there were not. Gabler asked if this lighting would require a 4-post system. Gallop indicated it would. Gabler asked about the sports that would benefit from the addition of lighting. Woeste indicated that primarily soccer, lacrosse and football would benefit.

Evenrud commented that when the fields were constructed back in 2005, there was a likelihood that lighting was not a priority at that time. Evenrud feels that with increased play, it is now more of a need than it was back in 2005. Evenrud then asked if field management practices would need to change due to increased play on the fields. Ellingson responded that the fields handle the current level of use well and that his department would need to monitor the turf for any new concerns due to increased play.

Hearing no further questions, Woeste thanked those in attendance for their comments and noted that the item will come back to the park board on September 7, 2016 for final consideration.

## **B. Consideration of Pickleball site recommendations**

Woeste provided an introduction to the item and informed the board that in response to a related article in the Minnetonka Memo, a total of 16 residents responded. Those responses were best summarized by those wishing to convert the Meadow Park tennis courts to pickleball (2), those opposed to converting the tennis courts at Meadow Park (11), those wanting courts in general (3) and one person suggesting adding sport courts to the Meadow Park hockey rink.

Woeste reported that the Memo article mentioned three potential options to addressing pickleball in the park system that includes:

1. Converting tennis courts at Meadow
2. Adding new courts at Lone Lake
3. Working with a local school district to partner with on courts

Woeste noted that talks with both the Minnetonka and Hopkins School Districts have not provided possible options due to a variety of factors that include current demand for tennis, lack of available space to construct new courts, lack of a pickleball curriculum in both District's, and parking and traffic concerns during school hours.

Ellingson provided a review of three concepts currently being studied by staff. The concepts include the following:

1. Converting the existing tennis courts at Meadow Park to permanent pickleball and expanding the number of courts from four to six. Estimated cost is \$148,000, however there are unknowns as far as tree loss and wetland impacts.
2. Lone Lake Park – 8 court option, includes sun shelter for players waiting at a total cost of \$336,853 (construction and contingency costs). This option would also require the Hillside picnic shelter to be relocated at an additional cost of \$45,000.
3. Lone Lake Park – 6 court option, includes sun shelter for players waiting at a total cost of \$265,342 (construction and contingency costs). This option would also require the Hillside picnic shelter to be relocated at an additional cost of \$45,000.

Ellingson indicated that variations of the two Lone Lake options could allow for six courts to initially be constructed and 2 courts added at a later time if so desired. Ellingson also noted that there are six trees that would need to be removed in order to get the courts in place as shown in both Lone Lake Park concepts. These trees range in size from 17” to 23” and are comprised of two ash, two basswood and a silver maple.

Woeste closed the staff presentation by noting that the current Capital Improvements Program includes \$310,000 in 2018 for the addition of pickleball courts to the city’s park system.

Raarup asked for park board member questions to staff. Hearing none, she opened the floor for public comments.

David Allan, 16528 Hidden Valley Rd, Minnetonka, asked a clarifying question related to the 8 court option at Lone Lake Park. Allan wondered if there was enough room to stack the courts north/south without getting too close to the forest tree line. Ellingson indicated that this option was reviewed and determined that there would be significant impact to trees, as well increased grading and retaining wall costs. Allan voiced support for the 8-court option at Lone Lake Park and indicated that if constructed Minnetonka would have a state of the art pickleball facility.

Frank Stucki, no address provided, indicated that he lives near Meadow Park and prefers to keep pickleball at that location as well as to complete the project as economically as possible. Stucki asked if expansion could occur into the open green space east of the existing tennis courts. Woeste indicated that the area mentioned is required to support the summer playground program for youth.

Joe Durkin, 14207 Spring Lake Road, asked a clarifying question wanting to confirm that the courts, if constructed at Meadow Park, would be less than the \$310,000 currently scheduled in the CIP. Ellingson indicated that this would be the case as far as staff is currently aware, however there may be issues related to the wetlands if the courts are expanded. Jo Colleran, Natural Resources Division Manager, mentioned that any expansion would require significant exploration. Durkin then asked Allan if he supported the Lone Lake site over Meadow and Allan indicated that he did.

Skip Houghton, 14701 Wellington Road, noted that other communities have constructed new courts or converted existing tennis courts and wondered if staff has talked to any of these communities. Woeste replied that staff has toured some locations and talked to other cities about their approach to adding pickleball. Woeste noted that the recent courts added in Edina were done as a result of a private gift to the city.

Hearing no further comments, Raarup closed the public comment portion of the meeting and asked for park board comments.

Kvam asked staff if it could be determined what has caused the Meadow Park tennis courts to deteriorate and asked if it could be the sub-soil conditions. Ellingson indicated that it was likely soils, however no soil samples have been completed. Kvam asked if Ellingson thought that Lone Lake soil conditions would be better. Ellingson said he thought they would be. Evenrud asked if staff was confident that the Lone Lake Park soils would be suitable, Ellingson responded that it looked promising.

Kvam asked Allan what was required to host sanctioned tournaments. Allan responded that courts in groupings of four are preferred, eight courts being optimal. Kvam then noted that the Lone Lake proposal included a \$30,000 sun shelter for players relaxing or waiting to play on a court. Kvam noticed that the Meadow Park plans did not have the sun shelter included and pointed out that this was part of the cost difference between the different plans. Ellingson concurred, noting that this feature was something staff noticed on a tour of the Apple Valley facility.

Evenrud liked that the restrooms at Lone Lake would be in close proximity, noting that previous plans reviewed in Lone Lake did not have that availability.

Kist asked why neighbors have expressed concern regarding permanent pickleball courts at Meadow Park. Woeste responded that concerns were primarily based on the loss of tennis in the park and not issues related to the sport of pickleball. She noted that most neighbors have expressed support for continued shared use of the court.

Raarup asked if eliminating a hockey rink at Meadow Park would be an option. Dave Johnson, Recreation Services Director, indicated that both rinks receive heavy use in the winter and noted that Meadow Park is typically the highest attended rink in Minnetonka. Ellingson added that soil conditions would not be good for converting rinks to permanent courts. Raarup asked what the time table would be for researching wetland restrictions. Ellingson could not provide a date, noting that it will require extensive work.

Kvam asked if the picnic shelter at Lone Lake would be moved or a new one built. Ellingson indicated that moving it might be an option but felt construction of a new one would be more beneficial.

Raarup asked how many courts other cities are building when they construct new courts. Woeste indicated that she will research that date and report back.

Hearing no further comments or questions from the board, Woeste summarized the process moving forward. Woeste indicated that staff will report back at the September 7 meeting with information on the number of courts other cities are constructing. She noted that staff will be requesting direction at that meeting on how to proceed.

## **5. Park Board Member Reports**

Kvam reported that Hennepin County Commissioner Jan Callison has appointed Kvam to represent District 6 on the Hennepin County Bicycle Advisory Committee. Kvam also reminded the board of the upcoming Tour de Tonka event.

Gabler shared a book recently published by a long time Bennet Family Park supporter related to woodpecker sightings at the park. Gabler also brought to staff's attention some trail sections that could use brush trimming to improve sight lines.

Evenrud reported on a successful Minnetonka Summer Festival despite challenging weather conditions.

## **6. Information Items**

Ann Davy, Recreation Services Programming Division Manager, reported that Shady Oak Beach has experienced a successful summer to date. She informed the board that daily pass sales are 2,600 higher than the same period in 2015, as well as equipment rentals (+131) and facility visits (+1,500).

Johnson reported that the city council recently approved the purchase of the property used for Pioneer Park from Faith Presbyterian Church. He indicated that

the City and Church have partnered in the operation of the park since 2001 and the 15 year agreement ends December 31, 2016.

**7. Upcoming Park Board Agenda Items**

The upcoming 6-month schedule included in the meeting packet was reviewed. No changes to meeting dates or times were made.

**8. Adjournment**

Raarup adjourned the meeting at 9:03 p.m.



**Minnetonka Park Board Item 4A  
Meeting of September 7, 2016**

<b>Subject:</b>	Consideration of a staff recommendation to add sports lighting to the Civic Center athletic field.
<b>Park Board related goal:</b>	To provide quality athletic and recreational facilities and programs
<b>Park Board related objective:</b>	Anticipate, review and respond to community needs not previously identified
<b>Brief Description:</b>	Consideration of lighting the Civic Center field and determination of the type of lighting to be used.

**Background**

With a lack of available city property for athletic field expansion, lighting of existing fields provides the best opportunity to expand access to community fields. The park board has recommended that the Civic Center field be lit to address the demand in our community for youth fields for soccer, lacrosse, football and other sports requiring similar field space. In the 2012 Field Needs Study the number one opportunity identified for field sports was exploring the addition of lights on Civic Center and Lone Lake parks fields as well as addressing the need for additional youth practice field space.

The city of Minnetonka's Capital Improvements Program (CIP) includes proposed funding to light the Civic Center multi-purpose field in 2017. To complete this project, grant funding from the Hennepin County Youth Sports (HCYS) grant program would be required. An application for this grant program is scheduled to be submitted in the fall of 2016.

If lights are added to the field, staff would recommend that the Comprehensive Athletic Field Use policy be amended to allow for use (when necessary) until 9:45 p.m. each night from May 1 – October 15. This would be consistent with the current regulations for lighting in place at other city youth fields. Plans show that the proposed lighting would "spill" no more than 160 feet from the field – and this does not take into account the tree barrier which will further diminish the distance light will travel. The nearest home to the field is over 300 feet away, therefore no light is expected to reach neighboring homes.

A neighborhood meeting was held during the August 3, 2016 park board meeting. Craig Gallop from Musco Lighting was in attendance and answered questions from neighbors and the board regarding light spillage and different lighting options. A total of three neighbors spoke at the meeting with questions asked related to light spill, costs for adding the lights and parking for field related activities.

## **Summary**

At the September 7, 2016 meeting, the park board will be reviewing staff's recommendation to add lights to the Civic Center field, contingent upon final council approval and the successful completion of a HCYS grant. If the park board supports staff's recommendation, a subsequent discussion is needed to determine the type of lighting options available. The two options presented include:

- Metal Halide lighting: Traditional lighting used on other city athletic fields. The cost estimate provided for Civic Center is \$128,000. Under this option, the city would pay \$75,000 and request a grant for \$53,000.
- LED lighting: Relatively new application to sports lighting with a cost estimate of \$165,000. Musco Lighting indicates that there is tighter spill control and LED requires less electricity to operate. Under this option, the city would pay \$75,000 and request a grant for \$90,000.

Based on the high demand for fields to accommodate a variety of youth field sports, and the opportunity to fund lights through the HCYS grant program, staff recommends the addition of lights to the Civic Center field as included in the 2017 CIP.

## **Discussion Points**

- Does the park board recommend lighting the Civic Center field?
- If so, what type of lighting is preferred, metal halide or LED?

**Recommended Action:** Staff recommends that the park board direct staff to proceed with the plan to light the Civic Center field using LED lighting for energy efficiency.

## **Attachments:**

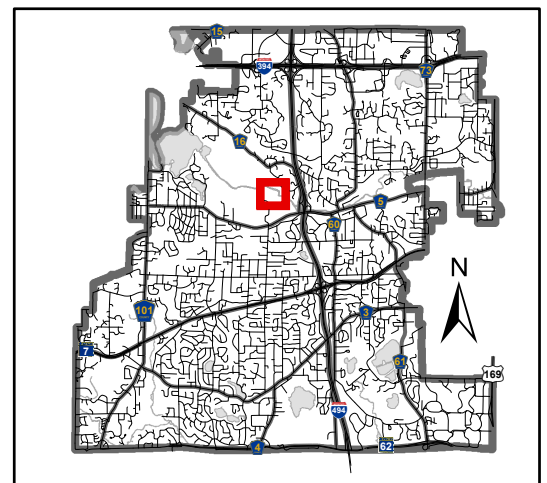
1. Area map
2. What Matters in Lighting Technology
3. Evolution of Light Control



## Minnetonka Civic Center Field



Proposed Lighting Area



This map is for illustrative purposes only.

**1977**  
SportsCluster-



**1989**  
SportsCluster.2



**1989**  
SportsCluster.2  
with Level 8™



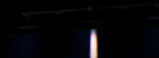
**1989**  
Total Light  
Control™



**2005**  
Light-Structure  
Green™ — HID



**2015**  
Light-Structure  
Green™ — LED



Photographed at 100-feet from field edge

Used equal parameters for:

- On-field light level per pole
- Luminaire aiming angles
- Wattage per luminaire
- Pole distance from aiming point
- Mounting height

# Evolution of Light Control

**1976**

**SportsCluster®**



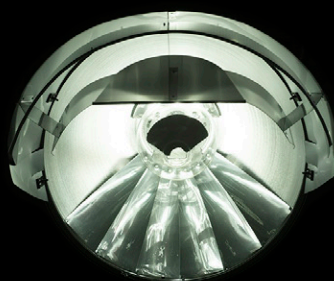
**1989**

**SportsCluster-2**



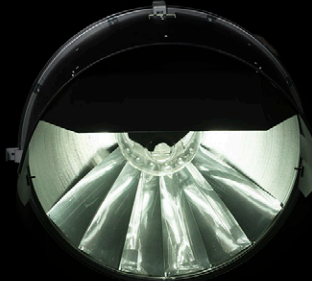
**1989**

**SportsCluster-2  
with Level 8™**



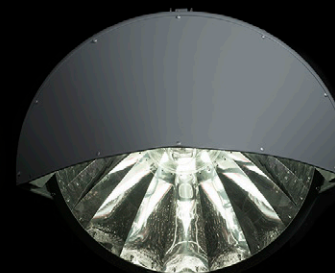
**1989**

**Total Light  
Control™**



**2005**

**Light-Structure  
Green™—HID**



**2013**

**Light-Structure  
Green™—LED**



**Minnetonka Park Board Item 4B  
Meeting of September 7, 2016**

<b>Subject:</b>	Consideration of pickleball site concepts
<b>Park Board related goal:</b>	To provide quality athletic and recreational facilities and programs.
<b>Park Board related objective:</b>	Ensure that park amenities and programs address future community needs and changing demographics.
<b>Brief Description:</b>	The park board will review pickleball site options at Lone Lake and Meadow parks and make a final recommendation for city council consideration.

## **Background**

At the September 7, 2011 park board meeting, representatives of the Minnetonka Senior Service's pickleball group addressed the park board with a request to increase access to pickleball in the Minnetonka park system. Based on the needs expressed by the pickleball group, the park board decided to make two changes at Meadow Park to accommodate the demand for pickleball courts.

First, the board directed staff to add four pickleball courts to the two existing tennis courts and provide designated times for the courts to be used for pickleball play. Nets and extra equipment are kept in a lockbox next to the court and placed out during times when pickleball is scheduled for play. Secondly, the board directed staff to add an additional four pickleball courts to one of the two existing paved skating rinks. These courts were to be made available for pickleball use at all park hours. Both of these improvements were completed and ready for play in the summer of 2012.

At the August 5, 2015 park board meeting, a request was made by the pickleball community to consider removing tennis from the existing court at Meadow Park and make it a dedicated space for pickleball. The board directed staff to explore the feasibility and develop cost estimates to expand the existing two tennis courts to a dedicated pickleball facility.

Shortly after the park board's March review of the park projects under consideration for the 2017 – 2021 Capital Improvements Program (CIP), residents in close proximity began to contact the city with concerns related to the permanent removal of tennis courts from Meadow Park. As a result, staff began to explore concepts for developing new courts at Lone Lake Park. The two possibilities first considered were determined to be too costly due to the significant amount of grading that would be required to prepare each site for the construction of courts. A third concept at Lone Lake was reviewed on the park board's annual tour of the park system in July. Staff will report on the feasibility of this option at the upcoming August 3 meeting.

Lone Lake and Meadow Park are both designated as community parks within Minnetonka's park system. Staff has focused on the sport off pickleball being added to a community park due to the availability of parking, restrooms and other infrastructure needed to support the user demand that pickleball requires. Other issues such as noise,

traffic, and space required for the construction of courts is not consistent with smaller neighborhood parks designed to meet the needs of residents in close proximity. Of the community parks, Lone Lake and Meadow are the only two that have existing tennis courts, and also have the needed infrastructure to support the demand for adding pickleball courts.

In May of 2016, staff included information in the Minnetonka Memo regarding the growing popularity of pickleball in general and the considerations being studied for inclusion of permanent courts in the city of Minnetonka. Readers were asked to provide comments and suggestions. Of the fifteen respondents, two supported converting the Meadow Park tennis courts to dedicated pickleball courts, 10 were opposed to dedicated courts at Meadow and three support dedicated pickleball courts at any location within Minnetonka. There was strong opposition from those in the neighborhood to losing tennis in Meadow Park.

At the August 3, 2016 park board meeting, the board was given the opportunity to review concept plans and cost estimates for dedicated courts at Meadow and Lone Lake Parks. The board heard comments from pickleball players in attendance regarding both locations. The Meadow park Concept and the Lone Lake Concept 1 include six dedicated pickleball courts while the Lone Lake Concept 2 includes eight dedicated pickleball courts.

Based on feedback received from both the Minnetonka and Hopkins School Districts, staff has concluded that partnering for the addition of pickleball courts on school district property is not a viable option. The Hopkins School District indicated that the only viable option for possible pickleball courts on their school district property would be at West Jr. High. Concerns with this location include the large number of visitors to campus during school days during the months of May, June, August, September and October, as well as high demand for these courts during the school year. There is also no current curriculum in place in the Hopkins district for pickleball so this is not a viable option. The Minnetonka School district currently has a very strong tennis program and is not open to taking away any current tennis courts, but would possibly consider adding 1 – 2 pickleball courts in the future.

## **Summary**

With the elimination of partnerships with Minnetonka or Hopkins School Districts, conversion of tennis at Meadow Park or the expansion of new courts at Lone Lake are the remaining two viable concepts.

At the August 3, 2016 meeting, the park board asked staff to research other area communities who have recently built dedicated courts or who are in the process of building courts to see the number of courts they are putting in one pickleball complex. Here are the findings:

<b>CITY</b>	<b>PICKLEBALL COURTS (MOST IN A SINGLE LOCATION)</b>	<b>TOTAL COURTS (CITY-WIDE)</b>
<b>Apple Valley</b>	6	12
<b>Bloomington</b>	3	5
<b>Chanhassen</b>	6	9 (8-10 more to be built in 2017)
<b>Edina</b>	5	8
<b>Maple Grove</b>	4	10
<b>Richfield</b>	8	14

The above table shows the number of pickleball courts in a single location as well as the total number of courts in each city. The city of Richfield is in the process of building an eight court complex. Staff from the city of Chanhassen indicated that they have the demand for more than six courts in one location with more than 40 players participating during high demand times. Staff from Chanhassen emphasized that the game of pickleball is a very social sport where people want to be able to gather in one location rather than at different locations throughout the city. Pickleball players in Bloomington have approached the city with a 12 court pickleball complex plan at Westwood Park. The staff at Bloomington indicated that a 6 – 8 court complex is the maximum number of courts that would be feasible in this neighborhood park.

**Discussion Points**

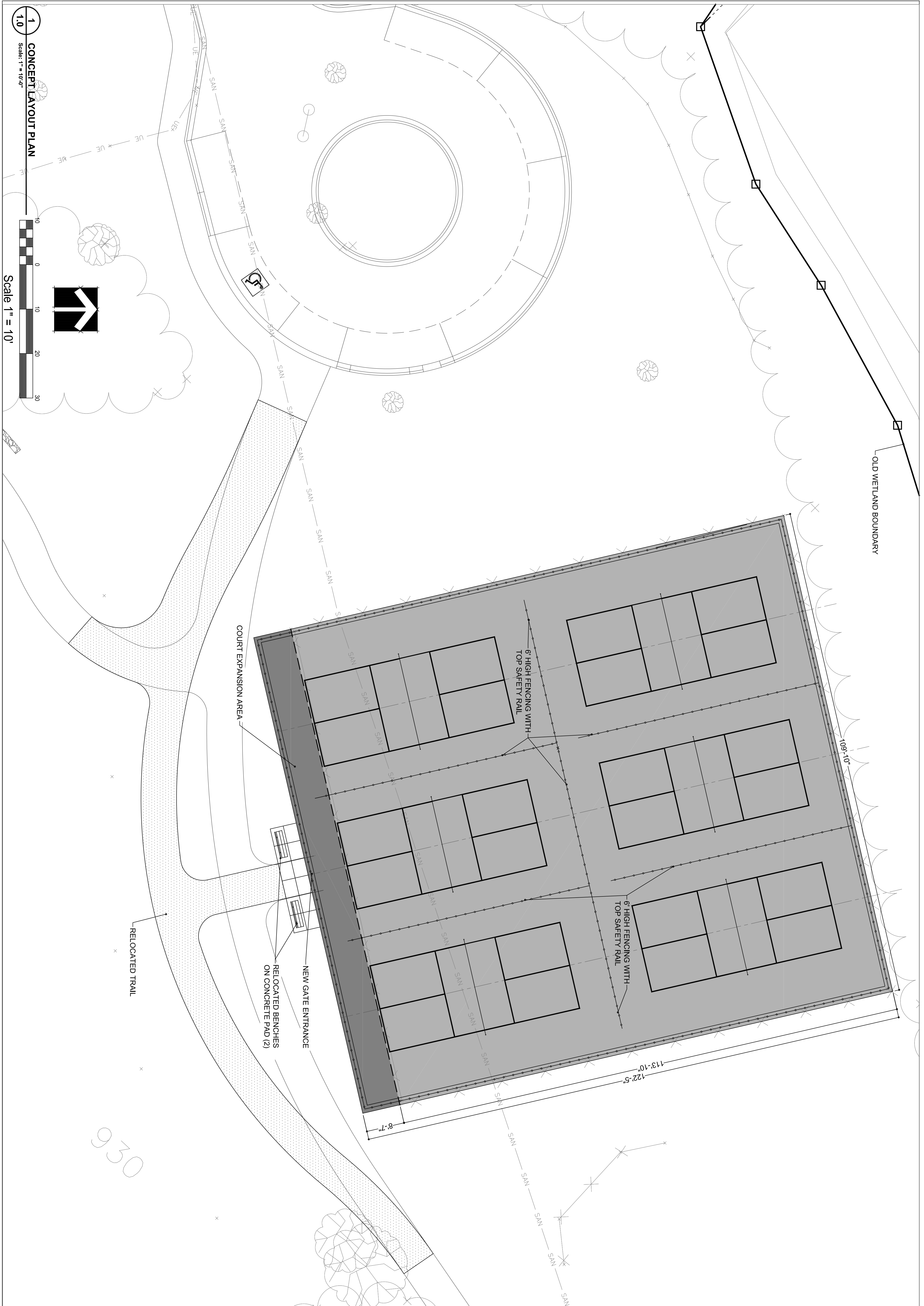
- How many pickleball courts is the park board interested in adding at a single location?
- Which concept for moving forward is the park board recommending?

**Recommended Park Board Action:** Review the concepts as presented by staff and make a final site and plan recommendation to be presented to the city council for consideration

**Attachments:**

1. Meadow Park concept plan and cost estimate
2. Lone Lake Park concept plans (2) and cost estimates (2)





# PRELIMINARY CONCEPT LAYOUT PLAN

**WSB**  
 & Associates, Inc.  
 701 Xenia Avenue South, Suite 300  
 Minneapolis, MN 55416  
 Tel: (763) 541-4800 • Fax: (763) 541-1700  
 wsberg.com

**engineering · planning · environmental · construction**

**Meadow Park Pickleball Court  
 Minnetonka, MN**

**Concept Layout Plan**

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

Jason Amberg  
 DATE: Oct. 19, 2015 LIC. NO. \_\_\_\_\_

SCALE: AS NOTED	REVISION NO. DATE	EXPLANATION
PLAN BY: SF	DESIGN BY: SF	
CHECKED BY: SF	PROJECT NO: 01515-610	
RECORD COPY BY:	DATE	

SHEET  
**L1.0**

# Meadow Park Pickleball Court

Estimated Construction Cost for Pickleball Court Improvements

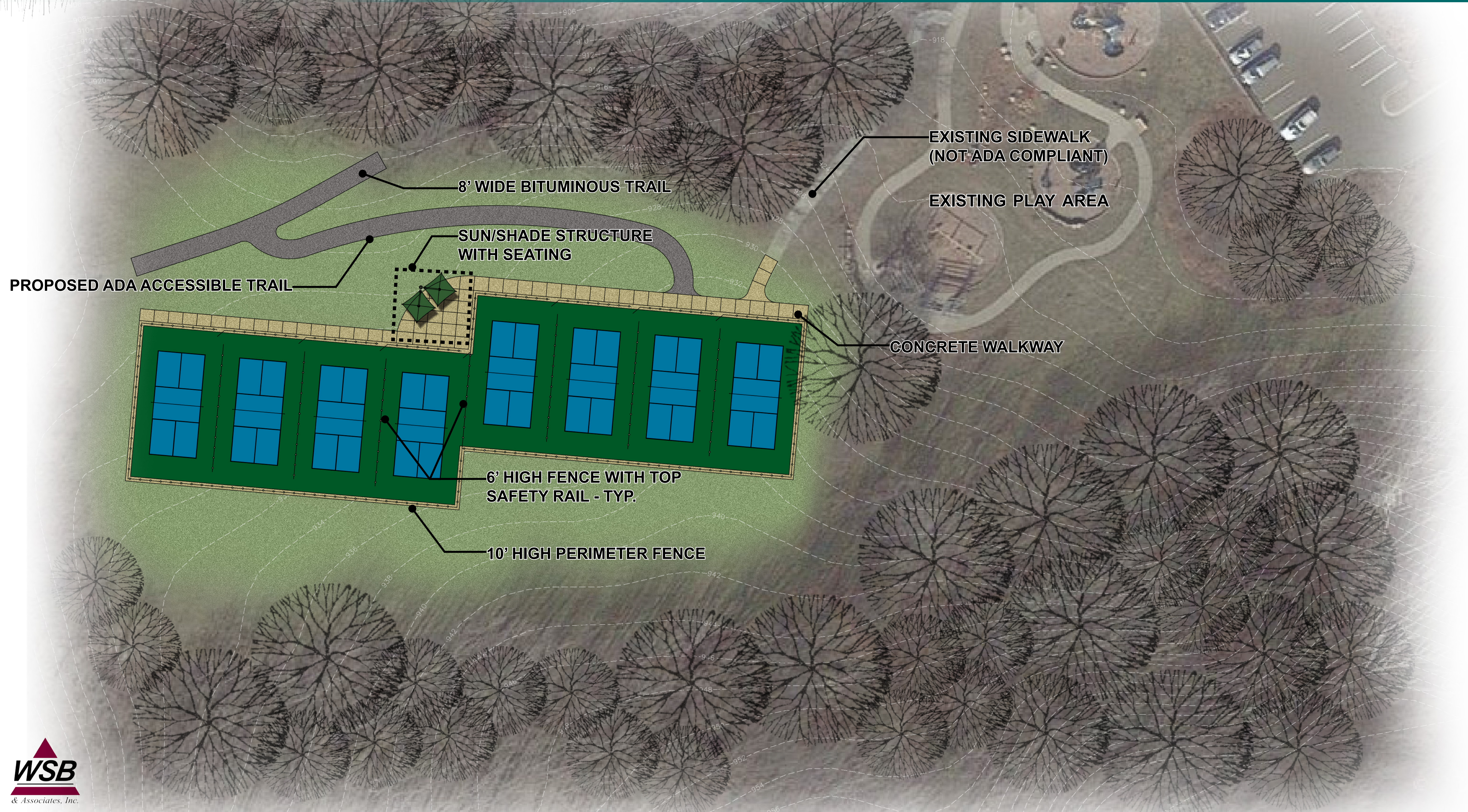
WSB Project #01515-610

By: SF

<b>Concept Master Plan:</b>		
<b>Item</b>	<b>Description</b>	<b>TOTAL</b>
1	Mobilization	\$ 5,980
2	Earthwork	\$ 1,650
3	Silt Fence	\$ 1,525
4	Clearing and Grubbing	\$ 1,500
5	Transplant trees	\$ 1,000
6	Remove perimeter fence	\$ 4,500
7	Remove existing bituminous for trail and concrete pad for benches	\$ 1,750
8	Remove existing concrete maintenance strip	\$ 500
9	Remove, salvage and re-install existing benches (2)	\$ 1,000
10	Remove existing tennis net systems, including footings/attachments	\$ 500
11	Mill and removal of existing court pavement	\$ 8,400
12	Bituminous pavement for trail	\$ 7,000
13	Concrete pavement for benches and entryway	\$ 825
14	Bituminous pavement for courts - Complete, including 1.5" base course, tack coat, & 1.5" wear course	\$ 29,250
15	Color Coating and Line Striping	\$ 8,250
16	10' high 3-rail chainlink perimeter fence including gate	\$ 20,700
17	6' High, 2-Rail Chain-Link for court division	\$ 6,440
18	Safety Top Rail for 6' high, 2-rail fencing	\$ 966
19	Pickleball Net System including footings/attachments	\$ 15,000
20	24" wide x 5" thick concrete maintenance strip	\$ 7,820
21	Turf Seed Mixture	\$ 1,000
Subtotal		\$ 125,556
Recommended Contingency (10%)		\$ 12,556
Estimated Design Cost		\$ 10,000
<b>Concept Master Plan- Estimated Total</b>		<b>\$ 148,112</b>

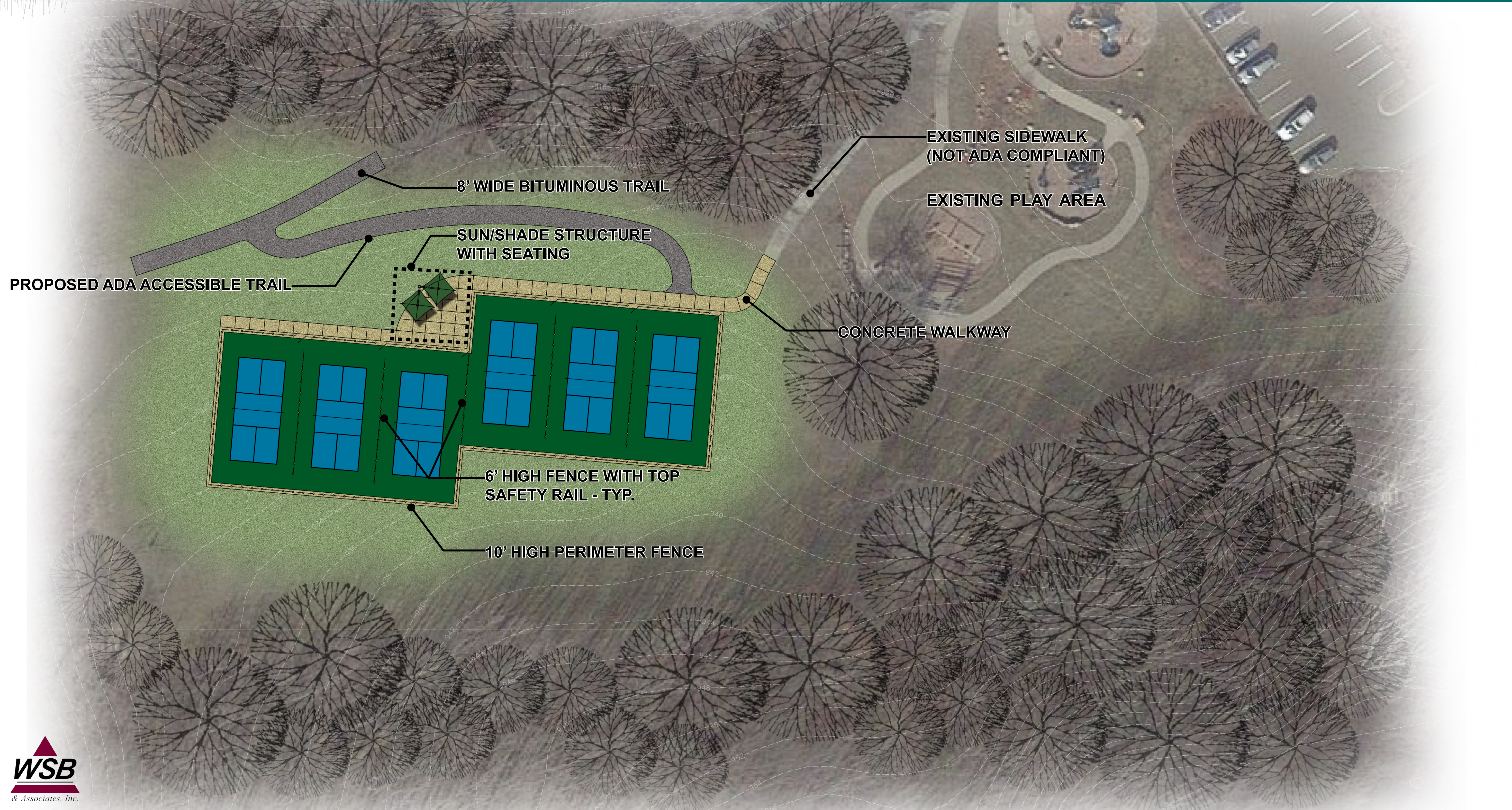
Note: This estimate is based on concept planning level design work for the purpose of budgeting. It should be anticipated that cost the estimate will need to be refined as the design progresses with greater detail.

# LONE LAKE PICKLEBALL COURTS



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# LONE LAKE PICKLEBALL COURTS



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## Lone Lake Park Pickleball Court

Estimated Construction Cost for Pickleball Court Improvements

WSB Project #01515-660

By: SF

### Concept 1:

Item	Description	TOTAL
1	Mobilization	\$ 14,585
2	Earthwork	\$ 45,000
3	Silt Fence	\$ 1,375
4	Shelter and Pavement Removal	\$ 5,000
5	Clearing and Grubbing	\$ 2,500
6	Bituminous pavement for trail	\$ 8,550
7	Concrete walk(4" thick)	\$ 12,845
8	Bituminous pavement for courts - Complete, including 1.5" base course, tack coat, & 1.5" wear course	\$ 39,975
9	Color Coating and Line Striping	\$ 11,275
10	10' high 3-rail chainlink perimeter fence including gate	\$ 33,300
11	6' High, 2-Rail Chain-Link for court division	\$ 7,300
12	Safety Top Rail for 6' high, 2-rail fencing	\$ 1,095
13	Pickleball Net System including footings/attachments	\$ 20,000
14	24" wide x 5" thick concrete maintenance strip	\$ 12,580
15	Sun/Shade Structure (Including pavement and seating)	\$ 30,000
16	Turf Seed Mixture	\$ 6,000
17	Retaining Wall	\$ 48,400
18	Drain tile	\$ 6,450
Subtotal		\$ 306,230
Recommended Contingency (10%)		\$ 30,623
<b>Concept One- Estimated Total</b>		<b>\$ 336,853</b>

### Alternate

Item	Description	TOTAL
A1	Shelter located SE of existing parking lot (including pavement and seating)	\$ 45,000

**Total Base plus Alternates** **\$ 381,853**

**Concept 2:**

<b>Item</b>	<b>Description</b>	<b>TOTAL</b>
1	Mobilization	\$ 11,490
2	Earthwork	\$ 35,000
3	Silt Fence	\$ 1,325
4	Shelter and Pavement Removal	\$ 5,000
5	Clearing and Grubbing	\$ 2,500
6	Bituminous pavement for trail	\$ 8,550
7	Concrete walk (4" thick)	\$ 10,570
8	Bituminous pavement for courts - Complete, including 1.5" base course, tack coat, & 1.5" wear course	\$ 30,030
9	Color Coating and Line Striping	\$ 8,470
10	10' high 3-rail chainlink perimeter fence including gate	\$ 27,090
11	6' High, 2-Rail Chain-Link for court division	\$ 5,140
12	Safety Top Rail for 6' high, 2-rail fencing	\$ 771
13	Pickleball Net System including footings/attachments	\$ 15,000
14	24" wide x 5" thick concrete maintenance strip	\$ 10,234
15	Sun/Shade Structure (including pavement and seating)	\$ 30,000
16	Turf Seed Mixture	\$ 5,200
17	Retaining Wall	\$ 30,800
18	Draintile	\$ 4,050
Subtotal		\$ 241,220
Recommended Contingency (10%)		\$ 24,122
<b>Concept Two- Estimated Total</b>		<b>\$ 265,342</b>

**Alternate**

<b>Item</b>	<b>Description</b>	<b>TOTAL</b>
1	Shelter located SE of existing parking lot (including pavement and seating)	\$ 45,000

**Total Base plus Alternates** **\$ 310,342**

**Minnetonka Park Board Item 4C  
Meeting of September 7, 2016**

<b>Subject:</b>	Receive a request for the addition of mountain biking trails
<b>Park Board related goal:</b>	To provide quality athletic and recreational facilities and programs.
<b>Park Board related objective:</b>	Ensure that park amenities and programs address future community needs and changing demographics.
<b>Brief Description:</b>	The park board will receive a resident request

**Background**

In February of 2001, the park board reviewed a plan initiated by a Minnetonka resident and fellow supporters to develop a mountain biking trail system within Lone Lake Park. The park board ultimately denied the request at their March 7, 2001 meeting, citing concerns related to cost, natural resources management efforts, and the fact that the trails being proposed were for advanced riders and would not serve the general population.

The request moved forward to the city council on March 19, 2001, when the council supported the park board's recommendation to deny the request. Following their action, the city council encouraged staff to continue to work with interested residents to develop a proposal that would address the concerns related to the initial plan present to the park board and council. No follow-up request was ever presented to staff for review.

As a result of the mountain biking discussion, the council adopted a new ordinance to regulate unauthorized biking in city parks which reads as follows:

*“Non-motorized bicycles are permitted only on parking lots, roadways and trails established and maintained by the city and in areas designated and signed for bicycle use. A person must not ride a bicycle in other areas of a park”*

This new ordinance is found in section 1135.020 of the City Code and became enforceable on May 25, 2001. As worded, the ordinance provides flexibility and would not require changes if mountain biking trails are developed and designated by the city.

Earlier this year staff noticed unauthorized biking was taking place in areas of Purgatory Park. Signs citing the ordinance were posted in Purgatory Park in areas where this was occurring. Soon after, staff began to receive several calls concerned about the posted restrictions.

This summer, the City Council began the process to update their adopted Mission, Vision and Guiding principles that are the foundation of their annual Strategic Profile. Last updated in 2011, staff began the process to fully engage the community in the process titled Imagine Minnetonka. Through public events, an appointed Steering Committee, town hall meetings and a variety of social media platforms, resident's wishes of Minnetonka for the future is being gathered to assist in updating the profile.

Through one electronic medium, Minnetonka Matters, the desire to create dedicated mountain bike trails has become a theme. While the Imagine Minnetonka process is still continuing, it is important for this discussion to note that the community has expressed this type of amenity.

Staff has recently been contacted by Minnetonka resident Ben Marks with a request for the city to construct mountain biking trails in the Minnetonka Park system. Mr. Marks has not developed an actual plan, however he is requesting the ability to work with staff to develop potential options. An outline of his request is included as an attachment to this report. Mr. Marks will attend the September 7, 2016 park board meeting to present his request to the park board for consideration.

**Recommended Park Board Action:** Receive the request and direct staff to research data from other metro area cities providing designated mountain biking trails.

**Attachments:**

1. Mountain biking request flyer





The Minneapolis area is ranked the #1 most bike friendly city in the U.S.<sup>1</sup> and one of the top 20 most bike friendly cities in the world.<sup>2</sup> Mountain biking is an increasingly popular type of cycling and enjoyed by many Minnetonka residents.

Minnetonka city leaders have communicated their priority to make our community a more “bike-able” city, an important amenity to attract young families. Sixteen Minnesota communities, including Edina,<sup>3</sup> have been designated as Bicycle Friendly Communities by the League of American Bicyclists. Adding mountain bike trails to our already impressive network of bike paths would help Minnetonka achieve this designation.

The city of Minnetonka has embarked on a community visioning process - *Imagine Minnetonka*. City leaders are asking residents how we want our city to evolve. [MinnetonkaMatters.com](http://MinnetonkaMatters.com) is a website the city has up until October 31 that provides residents the opportunity to post their suggestions. So far, the vast majority of the posts have expressed support for sustainable mountain bike trails, including comments from local bike shop owners, high school mountain bike team coaches and students.

Most wooded areas owned by the city of Minnetonka already have dirt trails that are unofficially used by bikers and walkers. The existing trails are not maintained, may cause erosion, can be dangerous, and create a liability for the city. Local mountain bikers need a place to ride. Let’s regulate the trails by designating specific areas to ride sustainably built trails, transferring this liability into an asset.

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<sup>1</sup> Forbes.com 5/1/15

<sup>2</sup> Wired.com 6/2/15

<sup>3</sup> Bikeleague.org

**The Kids** Mountain biking is a fun outdoor activity for kids. On most weekends at mountain bike parks in other communities, you'll witness families hooting and hollering as they enjoy the fun and thrills of riding well-built trails. Both Minnetonka and Hopkins schools have mountain bike teams, but there is nowhere for them to train nearby. Creating an amenity that promotes healthy outdoor exercise for both kids and adults would be embraced by the community.

**The Community** There is a large group of avid local mountain bikers that could be organized through local bike shops and the high school teams to help build and maintain the trails. Additionally, the Community Service Specialist at Minnetonka High School indicated that working on trails would be a fun volunteer activity for students, especially the boys. We are fortunate to have the resources of Minnesota Off-Road Cyclists (MORC), an organization with a successful 20-year track record of working with land managers to design, build and maintain trails. MORC could provide expertise, hand tools and signage for trails.

**The Competition** There are already mountain bike trails on city owned property in Bloomington, Burnsville and Minneapolis. The communities of Chaska, Edina, Lakeville, and Stillwater are all in the planning or development stages of building sustainable, designated mountain bike trails. As Minnetonka residents' interests and outdoor activities evolve, it is important to provide the amenities they desire to remain an attractive place to live and raise a family. Building trails is good for local businesses, our schools and ultimately home values.

**The Cost** Compared to most city projects, building sustainable mountain bike trails is relatively low cost. According to the International Mountain Biking Association (IMBA), it typically costs \$20,000 to build one mile of sustainable trail. Our initial goal would be to develop a five-mile trail network. The trails would likely be "machine built." There are experienced contractors available with specialized equipment. Much of the work, however, would still be done by hand through a combination of paid and volunteer labor. It's likely that half of the funding could be raised through donations from local businesses, private donors and state grants.

**Controlling the Buckthorn** Much of the city's wooded areas are infested with buckthorn, a waste of our beautiful natural resources. Designating certain wooded areas for mountain bike trails would be motivation for trail building volunteers to help remove buckthorn from those areas.

Ben Marks  
Local Mountain Bike Advocate  
612-759-1938  
[ben.marks@marksgroup.com](mailto:ben.marks@marksgroup.com)

**Minnetonka Park Board Item 4D  
Meeting of September 7, 2016**

<b>Subject:</b>	Consideration of a partnership to restore habitat on Minnetonka School District and City of Minnetonka property
<b>Park Board related goal:</b>	To Protect Natural Resources and Open Spaces
<b>Brief Description:</b>	Approve the partnership to restore habitat on Minnetonka School District and City of Minnetonka property

**Background**

The Riley-Purgatory-Bluff Creek Watershed District and Scenic Heights Elementary School have requested that the city of Minnetonka partner to restore a portion of Purgatory Park in conjunction with the ecological restoration of the Scenic Heights Elementary School Forest.

Scenic Heights Elementary School has been a registered School Forest with the Minnesota Department of Natural Resources (DNR) since 2006. It is located immediately east of Purgatory Park and north of Purgatory Creek. The portion of Purgatory Park proposed to be restored as part of the School Forest restoration is 1.25 acres.

Scenic Heights hosts a variety of environmental education activities at the School Forest, including field trips from other Minnetonka elementary schools. Scenic Heights has dedicated 25% of a staff member's time to manage the School Forest.

The Watershed District has a commitment to general improvement of the Purgatory Creek sub-watershed and a commitment to watershed education.

**Summary**

The Watershed District and the School District will pursue funding for this Project through the DNR Conservation Partners Legacy Grant Program. They anticipate applying for a grant of approximately \$315,000, which will be supported by a 10% local match. Both the Watershed District and the School District will contribute to this local match. The School District will contribute in-kind site management and maintenance services. The Watershed District will contribute the balance of the local match through design and project management services and payment for the water quality improvements. The city will **not** be responsible for any financial contribution.

## **Item 4D – Consideration of a partnership to restore habitat on Minnetonka School District and City of Minnetonka property**

**September 7, 2016**

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City of Minnetonka responsibilities include;

- Providing a letter of commitment for the project to be included in the grant application;
- Engaging in the project planning and design process to assure that the Purgatory Park restoration goals are clearly understood and realized through the design and implementation of the project;
- Reviewing and providing feedback for pertinent restoration plans, specifications, and project bidding documents;
- Being available for periods of construction and restoration to provide inspection, review and feedback;
- Granting Purgatory Park access to the Watershed District and its contractors for the purposes of design, construction, and ongoing monitoring at the site.

Watershed District responsibilities include;

- Serving as the project manager, and working closely with city staff to assure that the project is designed and implemented to achieve mutual goals;
- Taking the lead responsibility to apply for grant funding from the DNR Conservation Partners Legacy Grant Program, and if the application is successful, serving as the grant recipient;
- Contracting with its District Engineer, Barr Engineering Co., to assist in preparation of grant application materials, and upon receiving grant funding, to design the project and provide construction and restoration oversight, utilizing appropriate landscape architects, ecologists, and water resources engineers;
- Assuming funding is acquired, contracting with appropriate professional natural resource restoration specialists to inventory existing desirable plant communities, remove invasive species, and implement a multi-year ecosystems restoration project;
- Ensuring that its contractors do not damage park amenities such as trails or benches, if damage occurs the watershed district will repair any damage to the city's specifications;
- Contributing necessary funds and in-kind services sufficient to meet the 10% local match required by the grant, when combined with the in-kind services provided by the school district.

## **Item 4D – Consideration of a partnership to restore habitat on Minnetonka School District and City of Minnetonka property**

**September 7, 2016**

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The parties anticipate that the Project will be implemented on the following timetable:

- June – August 2016: Work on grant application;
- August 1, 2016: Request for Proposals issued for DNR Conservation Partners Legacy Grant Program;
- September 2016: Grant applications due;
- December 2016: Decisions on grant funding announced;
- January 2017: Project bidding;
- February – March 2017: Invasive plants cleared;
- Summer 2017; pond and wetland restoration;
- Throughout 2017: plant installation and seeding;
- 2018-2019: continued establishment and vegetation maintenance.

### **Discussion Points**

- Are there suggested changes to any components of the partnership that staff should consider?
- Are there other ideas that should be included in this campaign?

**Recommended Park Board Action:** Approve the partnership to restore habitat on Minnetonka School District and City of Minnetonka property.

### **Attachments:**

1. Template Letter of Intent - Scenic Heights Elementary School Forest and Purgatory Park Restoration Partnership

August 22, 2016

Dave Johnson  
City of Minnetonka  
Recreation Services Director  
14600 Minnetonka Blvd  
Minnetonka, MN 55345

Re: Letter of Intent - Scenic Heights Elementary School Forest and Purgatory Park Restoration Partnership

Dear Mr. Johnson:

This letter is to express the intent of the Riley-Purgatory-Bluff Creek Watershed District (“Watershed District”) and the city of Minnetonka (“the city”) to partner to restore a portion of Purgatory Park in conjunction with the ecological restoration of the Scenic Heights Elementary School Forest. In this letter, we describe our mutual understandings to date and generally describe the proposed scope of our cooperative efforts. It is not a binding legal commitment by either the Watershed District or the city. A Letter of Intent similar to this one has been signed by Minnetonka School District 276.

### **Background**

Scenic Heights Elementary School has been a registered School Forest with the Minnesota Department of Natural Resources (DNR) since 2006. It is located immediately east of Purgatory Park and north of Purgatory Creek. The portion of Purgatory Park proposed to be restored as part of the School Forest restoration is 1.25 acres. Scenic Heights hosts a variety of environmental education activities at the School Forest, including field trips from other Minnetonka elementary schools. Scenic Heights has a staff member dedicated 0.25 FTE to the management of the School Forest. The Watershed District has a commitment to general improvement of the Purgatory Creek sub-watershed and a commitment to watershed education.

### **Proposed Project, Goals**

Our proposed School Forest Restoration Project and the adjacent Purgatory Park portion have two important goals:

- Eradication of invasive species; and
- Introduction and establishment of native plant communities.

The Project will result in improvements to the Purgatory Creek sub-watershed and the restoration of an ecologically diverse and safe outdoor learning environment that promotes sound forest and watershed stewardship for future generations.

## **Pursuit of Grant Funding**

The Watershed District and the School District will pursue funding for this Project through the DNR Conservation Partners Legacy Grant Program. We anticipate applying for a grant of approximately \$315,000, which will be supported by a 10% local match. We anticipate that both the Watershed District and the School District will contribute to this local match. The School District will contribute in-kind site management and maintenance services. The Watershed District will contribute the balance of the local match through design and project management services and payment for the water quality improvements. The city will **not** be responsible for any financial contribution.

## **City of Minnetonka Responsibilities**

- The city will provide a letter of commitment for the Project to be included in the grant application;
- City staff will engage in the Project planning and design process to assure that the Purgatory Park restoration goals are clearly understood and realized through the design and implementation of the Project;
- The city will review and provide feedback for pertinent restoration plans, specifications, and project bidding documents;
- City staff will be available for periods of construction and restoration to provide inspection, review and feedback;
- The city will grant Purgatory Park access to the Watershed District and its contractors for the purposes of design, construction, and ongoing monitoring at the site.

## **Watershed District Responsibilities**

- The Watershed District will serve as the Project manager, and will work closely with city staff to assure that the Project is designed and implemented to achieve mutual goals;
- The Watershed District will take lead responsibility to apply for grant funding from the DNR Conservation Partners Legacy Grant Program, and if the application is successful, will serve as the grant recipient;
- The Watershed District will contract with its District Engineer, Barr Engineering Co., to assist in preparation of grant application materials, and upon receiving grant funding, to design the Project and provide construction and restoration oversight, utilizing appropriate landscape architects, ecologists, and water resources engineers;
- The Watershed District will, upon receiving grant funding, contract with appropriate professional natural resource restoration specialists to inventory existing desirable plant communities, remove invasive species, and implement a multi-year ecosystems restoration project;
- The Watershed District will ensure that its contractors do not damage park amenities such as the trails or benches, if damage occurs the Watershed district will repair any damage to the city's specifications;
- The Watershed District will contribute necessary funds and in-kind services sufficient to meet the 10% local match required by the grant, when combined with the in-kind services provided by the School District.

## **Anticipated Project Timetable**

The parties anticipate that the Project will be implemented on the following timetable:

- June – August 2016: Work on grant application;
- August 1, 2016: Request for Proposals issued for DNR Conservation Partners Legacy Grant Program;
- September 2016: Grant applications due;
- December 2016: Decisions on grant funding announced;
- January 2017: Project bidding;
- February – March 2017: Invasive plants clearing;
- Summer 2017; pond and wetland restoration;
- Throughout 2017: plant installation and seeding;
- 2018-2019: continued establishment and vegetation maintenance.

## **Next Steps**

This letter is intended to confirm these mutual understandings of the city and the Watershed District. Upon approval and execution of this Letter of Intent by both parties, the parties will continue this collaboration and the Watershed District will proceed to incur expenses in preparation of grant application materials. The city of Minnetonka will provide this letter of commitment by September 8, 2016 to be included in the grant application. Upon receiving favorable action on the grant application, the parties will develop a legally binding cooperative agreement that defines formal roles and responsibilities.

If the preceding is accurate and acceptable, please sign, date, and return this original copy to the Watershed District. We would be pleased to meet and answer any questions you may have. The Watershed District greatly appreciates the cooperation and interest of the city of Minnetonka to date, and we are eager to move forward in this effort.

Sincerely,

John Perry Forster, Chair  
Riley-Purgatory-Bluff Creek Watershed District  
Board of Managers

APPROVED ON SEPTEMBER 7, 2016:

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Elise Raarup, City of Minnetonka, Park Board Chair

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Dave Johnson, City of Minnetonka, Recreation Services Director



**Minnetonka Park Board Item 5  
Meeting of September 7, 2016**

<b>Subject:</b>	Park Board Member Reports
<b>Park Board related goal:</b>	N/A
<b>Park Board related objective:</b>	N/A
<b>Brief Description:</b>	Park Board members will report on any park, recreation or natural resources items that have come to their attention since the last board meeting.

**Minnetonka Park Board Item 6  
Meeting of September 7, 2016**

<b>Subject:</b>	Information Items
<b>Park Board related goal:</b>	N/A
<b>Park Board related objective:</b>	N/A
<b>Brief Description:</b>	The following are informational items and developments that have occurred since the last park board meeting.

**Shady Oak Beach**

The Shady Oak Beach season, initially set to end Sunday, August 21<sup>st</sup>, was extended to Sunday August 28<sup>th</sup> when the management staff determined that there were enough employees available to work an extra week and safely support operations. As a result, the facility was visited by an additional 1,628 visitors, an average of 232 per day. In addition, daily passes sold generated \$4,776 and concession receipts totaled \$2,780. Extending the season has not been deemed possible in the past due to staff availability.

**November Volunteer Recognition Event**

Annually, the city utilizes approximately 900 individual volunteers to fill approximately 1,200 volunteer positions. An estimated 68% of those volunteers donate time to assist in the areas of parks, recreation or natural resources.

In 2014, as part of their annual goal setting process, the park board developed a plan to recognize those volunteers assisting in the areas of parks, recreation and natural resources. Last year, 63 volunteers RSVP'd to attend the 2<sup>nd</sup> annual recognition event which included a welcome from acting Mayor Tim Bergstedt, individual recognition to those attending and an appreciation reception following the event.

The park board's 3<sup>rd</sup> annual Volunteer Recognition Event is scheduled for the Board's November meeting on Wednesday, November 2, 2016. The event will begin at 7:00 following the Board's annual joint meeting with the City Council.

At the September 7, 2016 meeting, staff will be asking the park board for any requested changes to the event so that planning can begin and information sent out to all volunteers.

**Minnetonka Park Board Item 7  
Meeting of September 7, 2016**

<b>Upcoming 6-Month Meeting Schedule</b>				
<b>Day</b>	<b>Date</b>	<b>Meeting Type</b>	<b>Agenda Business Items</b>	<b>Special Notes</b>
<b>Wed</b>	10/5/16	Regular	•	
<b>Wed</b>	11/2/16		<ul style="list-style-type: none"> <li>• Joint meeting with the City Council</li> <li>• Volunteer recognition event</li> </ul>	
<b>Wed</b>	12/7/16	Joint	<ul style="list-style-type: none"> <li>• Consideration of 2017 Park Board goals</li> </ul>	
<b>Wed</b>	1/4/17	Regular	<ul style="list-style-type: none"> <li>• Adoption of 2017 Park Board goals</li> <li>• Discussion of 2017 Park Board objectives and action steps</li> <li>• Election of Chair and Vice-Chair positions</li> </ul>	
<b>Wed</b>	2/1/17	Regular	<ul style="list-style-type: none"> <li>• Review of 2018 – 2022 park projects</li> </ul>	
<b>Wed</b>	3/1/17	Regular	Approval of 2018 – 2022 park projects	

**Other meetings and activities to note:**

<b>Day</b>	<b>Date</b>	<b>Description</b>	<b>Special Notes</b>
<b>Tues</b>	10/4/16	City Open House	5 - 8p.m. City Hall & Community Center

**Items to be scheduled:**

- Meeting with Minnetonka Historical Society regarding Burwell House & Mills Park
- POST Plan update