Parks and Properties Committee Meeting

January 16, 2017
6:15pm or immediately following the Administration and Finance Committee Meeting
Joe Doud Administration Building, 545 Academy Drive

AGENDA

I. Call to Order — Chair Chambers; Commissioners Chalem and Randel

II. Recognition of Visitors

III. Approval of Minutes
   o Parks and Properties Committee Meeting of October 17, 2016

IV. New Business
   A. Discussion Regarding West Park Storm Water Management Concepts
   B. Adopt Comprehensive Master Plan

V. Informational Items / Verbal Updates
   A. Capital Improvement Projects
      1. Northbrook Sports Center Pool

VI. Next Meeting — Week of February 13, 2017 at 6:00pm, Joe Doud Administration Building

VIII. Adjournment

Copies to: Park Board, Attorney, Directors, All Staff and Park District Facilities, Northbrook Star, Village of Northbrook,
Posted on Park District Website: nbparks.org

Persons with disabilities requiring reasonable accommodation to participate in this meeting should contact Eileen Loftus, the Park District’s ADA Compliance Officer, at the Park District’s Administration Building by mail at 545 Academy Drive, Northbrook, Illinois 60062, by phone at (847) 291-2960, Monday through Friday 8:30am until 5:00pm, or by email to eloftus@nbparks.org at least 48 hours prior to the meeting. Requests for a qualified ASL interpreter generally require at least 5 business days advance notice. For the deaf or hearing impaired, please use the Illinois Relay Center voice only operator at (800) 526-0857
MEMORANDUM

To: Parks and Properties Committee
From: Ed Dalton, Director of Parks and Properties
Agenda Item: IV. A. Discussion Regarding West Park Storm Water Management Concepts
Date: January 13, 2017

Background & Analysis:
As we have discussed at previous Parks and Properties Committee meetings, the Village of Northbrook is looking to lessen the impact of flooding in the neighborhood around Keystone and Chartres, which is located north and west of West Park.

Staff met with the Village to learn more about their needs and provided the Village with our thoughts and plans regarding future expansion of the Sports Center and West Park amenities. A copy of the District's 2010 West Park Master Plan (Exhibit 1) was given to the Village to reference.

Based on our discussions, Village consulting engineers have developed several concepts, of which the Village will present the three most feasible alternates (Exhibits 2-4) and corresponding cost opinions (Exhibit 5). Matt Farmer, Village Engineer, and Jim Baxa, Civil and Special Projects Engineer, will attend our meeting to explain the need, scope and timeframe of the project. They will also review and answer questions regarding the three concepts.

The Village is looking for consensus from the Park District on whether we would support a storm water management project in West Park and, if so, to provide staff with direction to begin developing an Intergovernmental Agreement (IGA).

Pc: Molly Hamer
ALTERNATIVE A SUMMARY

PROS

1. Eliminates roadway ponding for 2, 10, & 50-yr storms
2. No work is proposed on condo property upstream
3. Park district earthwork is balanced on-site
4. Protects low homes in 100-yr storm

CONS

1. 36" storm sewer proposed between existing homes
2. Roadway ponding will occur for the 100-yr storm
3. One soccer field is submerged for the 100-yr storm

ALTERNATIVE A
West Park Detention & Storm Sewer

Keystone/Chartres Stormwater Project
Northbrook, Cook County, IL

ESRI Aerial (2016)
ALTERNATIVE B SUMMARY

1. INCREASE INLET CAPACITY AT KEYSTONE & CHARTRES
2. INSTALL 1,300 LF - 36" STORM SEWER
   PROVIDE 6.8 AC-FT DETENTION
   1.34 AC-FT (PD PERMIT) + 3.22 AC-FT (NEW VILLAGE)
3. USE SpoIL TO ELEVATE SOCCER FIELDS
4. INSTALL 300 LF - 24" STORM SEWER
5. PROVIDE 1.6 AC-FT NEW DETENTION

PROS
- ELIMINATES ROADWAY PONDING FOR 2, 10, & 50-YR STORMS
- ADDITIONAL DETENTION VOLUME IS PROVIDED
- PROTECTS LOW HOMES IN 100-YR STORM

CONS
- 36" STORM SEWER PROPOSED BETWEEN EXISTING HOMES
- ROADWAY PONDING WILL OCCUR FOR THE 100-YR STORM
- ONE SOCCER FIELD IS SUBMERGED FOR THE 100-YR STORM
- SOME EARTHWORK REQUIRES HAUL-OFF, LIKELY CCDD
**ALTERNATIVE C SUMMARY**

1. **PROS**
   - Eliminates roadway ponding for 2, 10, & 50-yr storms
   - Park district earthwork is balanced on-site
   - Improves drainage near the softball fields
   - Protects low homes in 100-yr storm
   - Use spoil to elevate soccer fields

2. **CONS**
   - 36" storm sewer proposed between existing homes
   - Roadway ponding will occur for the 100-yr storm

**Keystone/Chartres Stormwater Project**
Northbrook, Cook County, IL

**PROS**
- Provide 6.22 ac-ft detention
- Provide 3.58 ac-ft (PD Permit) + 2.64 ac-ft (New Village)
- Provide 6.22 ac-ft new detention

**CONS**
- 36" storm sewer proposed between existing homes
- Roadway ponding will occur for the 100-yr storm
### Alternative A - West Park Detention & Storm Sewer

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<tr>
<th>SUMMARY OF QUANTITIES</th>
<th>ITEM</th>
<th>UNIT</th>
<th>QUANTITY</th>
<th>ESTIMATE OF COST</th>
<th>UNIT PRICE</th>
<th>COST</th>
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VILLAGE DETENTION 3.22 AC-FT
COST/AC-FT DETENTION $281,180

| SUBTOTAL | $823,400 |
| CONTINGENCY (10%) | $82,000 |
| TOTAL | $905,400 |

### Alternative B - West Park Detention & Storm Sewer

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VILLAGE DETENTION 4.82 AC-FT
COST/AC-FT DETENTION $225,550

| SUBTOTAL | $988,150 |
| CONTINGENCY (10%) | $99,000 |
| TOTAL | $1,087,150 |
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|                        |                          |              |          |
|                        | VILLAGE DETENTION 4.24 AC-FT |              |          |
|                        | COST/AC-FT DETENTION      | $ 245,908    |          |
|                        | SUBTOTAL                  | $ 947,650    |          |
|                        | CONTINGENCY (10%)         | $ 95,000     |          |
|                        | TOTAL                     | $ 1,042,650  |          |
MEMORANDUM

To: Parks and Properties Committee  
From: Ed Dalton, Director of Parks and Properties  
Agenda Item: IV. B. Adopt Comprehensive Master Plan  
Date: January 13, 2017

Staff Recommendation:
Staff recommends adopting the Moving Forward 2026 Comprehensive Master Plan, to provide direction for the Park District throughout the next ten years.

Background and Analysis:
The draft Comprehensive Master Plan was distributed to the Board for review on December 2, 2016. Steve Konters, from Hitchcock Design Group, presented at the Board Meeting on December 7, 2016 to answer any questions related to the draft Plan. Hitchcock Design Group has incorporated the suggested changes from that meeting into the final document as presented.

Motion:
The Parks and Properties Committee Chair moves to adopt the Moving Forward 2026 Comprehensive Master Plan to the full Board for approval.

Pc: Molly Hamer, Executive Director