

Thomas Sadler Roberts Bird Sanctuary
Management Plan

APPENDIX

APPENDIX

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MINNEAPOLIS PARK AND RECREATION BOARD

AN ACTION, RESOLUTION OR ORDINANCE

In accordance with Chapter 3, Section 1, of the City Charter, there is herewith submitted to you, the Mayor of the City of Minneapolis, an action, resolution or ordinance adopted by the Minneapolis Park and Recreation Board which you may approve by affixing your signature herein below or if you disapprove of same to return to the Board, with your objection thereto, by depositing the same with the Secretary of the Board to be presented to the Board at their next meeting where the question of its passage will be put again before the Board.

5.1 That the Board adopt resolution 2010-33 captioned as follows:

Resolution 2010-33

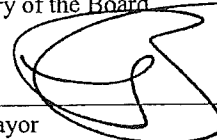
RESOLUTION AUTHORIZING STAFF TO WORK WITH THE AUDUBON CHAPTER OF MINNEAPOLIS (ACM), EAST HARRIET-FARMSTEAD NEIGHBORHOOD ASSOCIATION (EHFNA), AND LINDEN HILLS NEIGHBORHOOD COUNCIL (LHINC) ON A MANAGEMENT PLAN FOR ROBERT'S BIRD SANCTUARY.

PASSED September 1, 2010

APPROVED _____



Secretary of the Board



Mayor

A

Resolution 2010.33
September 1, 2010

Offered by: Jon Olson

Seconded by: Anita Tabb

RESOLUTION AUTHORIZING STAFF TO WORK WITH THE AUDUBON CHAPTER OF MINNEAPOLIS (ACM), EAST HARRIET-FARMSTEAD NEIGHBORHOOD ASSOCIATION (EHFNA), AND LINDEN HILLS NEIGHBORHOOD COUNCIL (LHINC) ON A MANAGEMENT PLAN FOR ROBERT'S BIRD SANCTUARY

WHEREAS, the Minneapolis Park & Recreation Board (MPRB) is the steward of the Minneapolis parks and natural areas; and

WHEREAS, Robert's Bird Sanctuary is one of two bird sanctuaries in Minneapolis; and

WHEREAS, Robert's Bird Sanctuary is part of the Chain of Lakes Regional Park; and

WHEREAS, Robert's Bird Sanctuary is a highly valued asset by regional park users and the surrounding neighborhoods; and

WHEREAS, the Minneapolis Park & Recreation Board Comprehensive Plan 2007-2020 Vision One calls for the development of natural area management plans; and

WHEREAS, Robert's Bird Sanctuary does not have a management plan in place; and

WHEREAS, the Audubon Chapter of Minneapolis (ACM), East Harriet-Farmstead Neighborhood Association (EHFNA), and Linden Hills Neighborhood Council (LHiNC) have expressed a desire to assist with the development of a management plan for Robert's Bird Sanctuary; and

WHEREAS, Robert's Bird Sanctuary can benefit from a combination of analysis of user desires and board and staff review of issues and solutions;

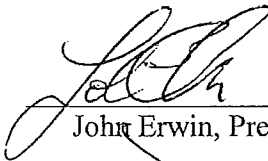
NOW THEREFORE, be it resolved by the Board of Commissioners of the Minneapolis Park & Recreation Board as follows:

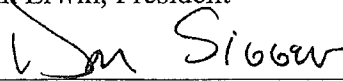
The Superintendent is authorized to work with the Audubon Chapter of Minneapolis (ACM), East Harriet-Farmstead Neighborhood Association (EHFNA), and Linden Hills Neighborhood Council (LHiNC) on a management plan for Robert's Bird Sanctuary.

Vote:

Commissioner	Aye	Nay	Abstain	Absent
Bourn	X			
Erwin	X			
Fine	X			
Kummer				X
Olson	X			
Tabb	X			
Vreeland	X			
Wielinski	X			
Young	X			

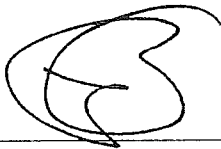
Adopted by the Park and Recreation Board
In formal meeting assembled on September 1, 2010



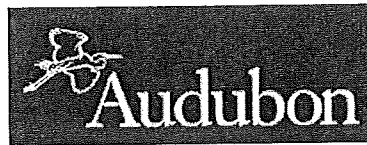
John Erwin, President


Don Siggelkow, Secretary

Approved:



R.T. Rybak, Mayor



**Roberts Bird Sanctuary
Revitalization Project:
Community Input Summary**

Submitted to:

Deb Pilger

Director, Environmental & Equipment Services

Minneapolis Park & Recreation Board

(MPRB)

Compiled by:

Kit Healy, Conservation Committee Chair

Audubon Chapter of Minneapolis

(ACM)

November 1, 2010

Introduction

The Roberts Bird Sanctuary Revitalization Project (RRP) is a partnership formed in 2010 between the Minneapolis Park & Recreation Board (MPRB), Audubon Chapter of Minneapolis (ACM), East Harriet-Farmstead Neighborhood Association (EHFNA) and Linden Hills Neighborhood Council (LHiNC). The overall goal of the project is to enhance and protect this natural area as a sanctuary for birds by developing and implementing a long-term management plan.

In August of 2010, MPRB Commissioners formalized a project plan and timeline in a resolution authorizing MPRB staff to work with ACM, EHFNA, and LHiNC on the long-term management plan. The major steps of the process are:

1. Public Input: August – September 2010
2. MPRB Staff Input: October – November 2010
3. Develop Draft Plan & Review: November 2010 – March 2011
4. Public Input: March – May 2011

The first step in the process of creating the management plan was to involve the community in identifying opportunities and priorities for enhancing the area. This document summarizes input received during the summer of 2010, through a series of community meetings and a survey. (A separate document summarizes more detailed input from the Audubon Chapter of Minneapolis.)

Three community meetings were held to gather public input in the summer of 2010:

- August 9: East Harriet-Farmstead Community Center
- August 19: Linden Hills Community Center
- September 7: Audubon Chapter of Minneapolis

About 60 people attended one or more of these meetings.

The RRP survey was implemented both online and on paper. A total of 150 surveys were completed.

**Roberts Revitalization Project
Community Input Meeting #1
August 9, 2010
Lyndale-Farmstead Community Center**

Attendees (11):

Jerry Bahls and Kit Healy, Audubon Chapter of Minneapolis
Christina Cassano and Constance Pepin, Linden Hills Neighborhood Council
Bruce Wadman, East Harriet-Farmstead Neighborhood Association
Marcia Holmberg, Minneapolis Park & Recreation Board
Steve Greenfield, Martha McMurry, Gay Noble, Carol Thomas, Dennis Tuthill

Summary of comments and ideas:

General Improvements/Comments

- Trails should be marked and maintained.
- Rules against biking and dogs should be enforced.
- More/better signage would help protect the sanctuary by clarifying the activities allowed and explaining why certain activities are not allowed.
- The boardwalk could be repaired to improve the accessible loop.

Visitors Shelter

- The existing structure should be better utilized for education and information (e.g., expanded displays for historical and bird information, bird walk listings).
- A large sign at the entrance could refer people to other areas for other activities (such as biking, dog walking, team sports).
- A log book could be provided for people to write comments and record sightings.
- A buffer zone near the structure could include native plantings as food sources for birds.

Improved Habitat

- Invasive species removal and replanting is critical and must be ongoing.
- Some chemical treatments can be toxic to amphibians.
- Encourage the seed banks of native plants where buckthorn is removed.
- Trees and vegetation should be surveyed (perhaps in coordination with Hennepin County).
- Stop chemical mosquito treatments that reduce the food sources for birds.
- Should the ponds be restored (beyond removing reed canary grass and buckthorn)?
- Should birdhouses be installed (e.g. for wood ducks)?
- Should the bird feeding be removed, since it is not maintained?

Education

- Re-issue the Roberts information booklet for education (“A Walk through the Thomas Sadler Roberts Bird Sanctuary”).
- Provide lesson plans for teachers.
- Install signs to identify plants.
- Build interest and enlist the help of local students (including) Southwest High School’s Green Team for projects.

**Roberts Revitalization Project
Community Input Meeting #2
August 19, 2010
Linden Hills Community Center**

Attendees (15):

Jim Egge, Jerry Bahls and Kit Healy, ACM
Christina Cassano, Sharon Kennedy, Kathy Urberg and Constance Pepin, LHiNC
Tim Brown, MPRB
Jane Gilgun, Steve Greenfield, Cheryl Hagen, Phil Martin, Gay Noble, Carol Nulsen,
Erica Whittlinger

Summary of comments and ideas:

General Improvements/Comments

- Improve public access to information about Roberts; let people know about how they can help; publicize volunteer events, bird walks, discussions, updates, etc.
- Start a Roberts website? Have a Roberts page on ACM site with links to page on MPRB site, LHiNC site, and EHFNA sites.
- Continue to include Roberts information on MPRB, LHiNC, EHFNA, and ACM sites and publications as well as local papers.
- Address boardwalks – currently in disrepair.
- Address the trails (main trail will always be straight and relatively wide given that it was a road in the past).
- Deter biking and establishment of unauthorized trails; team activities such as training runs should also not be allowed.
- Roberts needs revitalizing but remember to keep it wild, undeveloped, unpaved – serves a different purpose than Rose Gardens or Peace Garden; remember first and foremost that Roberts is a bird sanctuary.
- Apply for funding – Minnehaha Creek Watershed District and Minnesota Waters are possible grants sources, look into other grants too; consider donations.

Visitors Shelter

- Make better use of visitors shelter by providing information on what birds and other wildlife that visitors can expect to see and when.
- Provide background on Sanctuary and T.S. Roberts to help preserve his legacy; let people know what the revitalization project is about and why it is necessary.
- Provide a log or some way for visitors to communicate with each other (could have an online component as well).

Education

- Educate visitors about birds and their habitat.
- Explain and identify invasive plants and natives.
- Let people know about the micro/ecoregions in Roberts; explain healthy areas of Roberts – where located and why doing well, and how to keep them that way.
- Let visitors know what activities aren't allowed in a bird sanctuary and why; people aren't always getting the message that dogs and bikes aren't allowed.

Improved Habitat

- Provide good sources of food for birds.
- Survey areas cleared (of invasive species) to determine what is left and then follow through with replanting desirable natives if necessary; Inventory existing trees to determine diversity and health; replant with desirable trees when and where necessary; may be able to use tree inventory from ~ 20 years as baseline if inventory can be found.
- Address not just canopy but all levels of the forest –with attention to diversity and health of undergrowth (Roberts and Cedar Lake only sites in Chain of Lakes with large areas available for native diversity in undergrowth).
- Leave dead trees and snags for wildlife if safe.
- Mosquito control (handled by Metropolitan Mosquito Control District): MPRB can ask for no spraying (but what are public health implications of not spraying - may need to consult experts for advice).

Roberts Revitalization Project
Community Input Meeting #3
Audubon Chapter of Minneapolis Monthly Meeting
September 7, 2010
Mayflower Congregational Church

Attendees:

About 35 people attended this meeting as ACM's regularly-scheduled monthly meeting.

Summary of comments and ideas:

General Improvements/Comments

- The goal should be to maintain/improve the quality of the site as a bird sanctuary, so that it continues to support migrating and nesting birds; keep the Sanctuary as natural and rugged as possible for the birds.
- Learn from what other similar bird sanctuaries have done.
- If law enforcement personnel walked through sporadically—that might help curb illegal behavior.
- Has the boardwalk given way due to lower water level (does the MPRB control the water level)?

Visitors Shelter

- At the main entrance provide information about how to 'use' a bird sanctuary, and what people might see here.
- Provide printed information to help people decide where to go—with suggestions about how to behave when watching birds (e.g., walk quietly).
- Provide a way for birders to connect and share news of sightings.

Education

- Audubon volunteers could be available to answer questions and educate people.
- Special events could be scheduled with tables staffed by volunteers at the visitors shelter—talk to people about the birds—like docents.
- Post dos and don'ts for visitors—here are the fun things you can do—and can't.

Improved Habitat

- Designate and manage limited trails—in recent years many pathways have been created that go all over; limit trails because people disturb wildlife.
- Include dead end trails for birding—with observation spots (and maybe benches).
- Remove invasive species and nurture native plants, but selective removal is important—and keep the dead downed trees.
- Determine the deer population that is sustainable.
- Use MPRB's survey data from past years as a starting point to update plant, tree and wildlife information.
- Narrow the old road through the sanctuary—to match the size needed for birdwatching.
- Recruit ornithology experts and interns from the University of Minnesota for research and conservation projects.

Roberts Revitalization Project Survey

The Roberts Revitalization Project survey (shown on the following page) was available from July 15 to September 15, 2010. A total of 150 people completed a survey, either online or on paper.

The survey was available online via both the MPRB website and the Audubon Chapter of Minneapolis website linking to SurveyMonkey; 62 surveys were completed online.

Paper surveys were available at RRP partnership locations (MPRB Operations Center building and the EHFNA and LHiNC community centers) and at events such as the Rose Fest and community input meetings. In addition, ACM members stationed at the visitors shelter during various times asked people entering the Sanctuary to complete surveys. ACM received 88 completed surveys on paper.

Survey tabulation notes:

- Numbers and percentages after responses indicate the frequency of each response.
- Respondents' comments, as well as their responses written for the 'other' choice, were transcribed as written on the surveys, without corrections to grammatical and/or punctuation errors.
- Additional comments #22 and #23 were the same in the online survey responses. One survey taker may have submitted the survey twice by mistake or two survey takers may have submitted the same survey responses and comment. For this summary, both sets of responses were counted as two separate surveys.



Roberts Bird Sanctuary Revitalization Project Survey



In collaboration with the Minneapolis Park & Recreation Board (MPRB), the Audubon Chapter of Minneapolis and the East Harriet-Farmstead and Linden Hills neighborhoods are conducting this survey to help identify opportunities and priorities for revitalizing the Roberts Bird Sanctuary. Please answer all questions.

1. How do you know about the Roberts Bird Sanctuary?

- | | |
|--|---|
| <input type="radio"/> MPRB website or publication | <input type="radio"/> Birding publication or newsletter |
| <input type="radio"/> Audubon website or publication | <input type="radio"/> Word of mouth |
| <input type="radio"/> Neighborhood website or newsletter | <input type="radio"/> Found it on my own |
| <input type="radio"/> Other (please specify): | |

2. What activity or interest usually brings you to the Roberts Bird Sanctuary? (Check all that apply)

- | | |
|---|--|
| <input type="radio"/> Guided bird tours | <input type="radio"/> Watching birds on my own |
| <input type="radio"/> Observing/experiencing nature | <input type="radio"/> Teaching children about nature |
| <input type="radio"/> Walking | <input type="radio"/> Jogging |
| <input type="radio"/> Taking photographs | <input type="radio"/> Drawing and painting |
| <input type="radio"/> I don't go to the Sanctuary | <input type="radio"/> Other (please specify): |

3. About how often do you visit the Sanctuary?

- Daily Weekly Monthly Several times a year Once a year Never

4. With whom do you visit the Sanctuary? (Check all that apply)

- Alone Friends Children Family Other (please specify):

5. What would enhance your experience at the Sanctuary? (Check all that apply)

- | | |
|---|---|
| <input type="radio"/> More information about the history of the area | <input type="radio"/> More guided walks |
| <input type="radio"/> More information about the birds that are found there | <input type="radio"/> Other (please specify): |

6. What would be your top three priorities for revitalizing Roberts Bird Sanctuary? (Check three)

- | | |
|---|---|
| <input type="radio"/> Improving habitat for birds | <input type="radio"/> Removing invasive species |
| <input type="radio"/> Fixing the fence next to the cemetery | <input type="radio"/> Improving trails |
| <input type="radio"/> Planting trees and other vegetation | <input type="radio"/> Improving signs |
| <input type="radio"/> Improving the entrances | <input type="radio"/> Other (please specify): |

7. What is your home zip code?

8. In what decade were you born?

- 1990s 1980s 1970s 1960s 1950s 1940s 1930s 1920s

Please write additional comments on the other side.

Thank you.

If you want to help revitalize Roberts Bird Sanctuary, write your name and contact information on the other side.

Return this survey by SEPTEMBER 15th, 2010
to Audubon Chapter of Minneapolis at P.O. Box 3801, Minneapolis, MN 55403
audubonchapterofminneapolis.org

Roberts Revitalization Project Survey Results

1. How do you know about the Roberts Bird Sanctuary?

Found it on my own 58 (39%)
Word of mouth 44 (29%)
Audubon website or publication 17 (11%)
MPRB website or publication 9 (6%)
Neighborhood website or newsletter 7 (5%)

Other: 37 (25%)

- Live nearby 10
- Have visited as a birder for many years 3
- Friends 2
- Grew up near here 2
- *StarTribune*
- Rose Fest
- Lived in Minneapolis 75 years
- I often visit the area
- Famous for birding
- Been coming here since childhood
- Grew up on Lake Harriet
- First visit as Girl Scout then heavy use as a birder for decades
- My grandfather walked with me down Bossen Lane in 1949.
- I have walked and/or run through the area for years.
- I saw it while driving around Lake Harriet years ago and have visited since then.
- Word of mouth
- I worked for MPRB
- Ornithology student at U of M
- I moved to Queen Ave S in Linden Hills in 1978. Roberts was in my backyard. When I worked at Lakewood Cemetery in the early 80's, there was a hole in the back fence and I would walk to work via the Sanctuary.
- I have visited and enjoyed this space immensely. I am an amateur birder and general lover of nature and natural spaces. I used to live in the Lakes/Uptown area and used to visit very often. Now I don't live so nearby, but still I have come by to take a walk in this wonderful place in the city. It is a gem.

2. What activity or interest usually brings you to the Roberts Bird Sanctuary?

Walking 101 (67%)

Observing/experiencing nature 99 (66%)

Watching birds on my own 97 (65%)

Guided bird tours 35 (23%)

Taking photographs 28 (19%)

Teaching children about nature 27 (18%)

Jogging 10 (7%)

Drawing and painting 7 (5%)

I don't go to the Sanctuary 5 (3%)

Other: 11 (7%)

- Birding regularly (every Tuesday) with other Audubon members
- Visiting from UK with local family
- Usually with my kids
- Also like looking for native plants but this part of the ecosystem need to be restored
- There is a pair of Great Horned Owls that live in there, they are my very favorite things about the Sanctuary.
- I have not been there yet (I'm a field tech from eastern WI who travels throughout the US with bird-surveying jobs, and does Hawk Ride in Duluth, MN for the fall).
- Observing native plants and flowers
- There are a lot of great places for walking and jogging. Roberts is special because of the habitats for birds
- My wife and I are avid birders and are always grateful to have this habitat so close to our home.

3. About how often do you visit the Sanctuary?

Several times a year 61 (41%)

Weekly 36 (24%)

Monthly 25 (17%)

Once a year 19 (13%)

Never 7 (5%)

Daily 4 (3%)

4. With whom do you visit the Sanctuary?

Friends 84 (56%)

Alone 81 (54%)

Family 61 (41%)

Children 24 (16%)

Other: 15 (10%)

- Audubon Birding groups 6
- Audubon guided walks 2
- Out-of-town visitors
- With husband/wife
- Hikes with MPLS hiking club
- Audubon bird chapter
- Other birders
- With some Audubon groups, especially Minneapolis Audubon in April and May of each year
- For several years I have participated in Spring Tuesday morning bird walks
- Co-workers
- Other adults in an educational program

5. What would enhance your experience at the Sanctuary?

More information about the birds that are found there 91 (61%)

More information about the history of the area 54 (36%)

More guided walks 49 (33%)

Other: 47 (31%)

- Security phones like on Midtown Greenway
- Less non-birding activities (running, biking, loud talking, creepy men)
- Family events about nature and birds birds birds!
- A bench or two by the main trail
- More information about plants and other animals
- Better trails of course better bird habitat
- Guided walks/event for families with young children
- Make it just for birds; no bikes—I was almost run over by a bike in there.
- Benches inside
- Less airplane noise
- More information about flora and fauna
- More plant diversity—less buckthorn
- Fewer people
- Improve entrances to keep out bicycles: gate by bandstand is completely open, not turnstile like before.
- Jogging should be banned.
- More birds
- Remove invasives; more native plants
- Ice cream
- More wildflowers
- More trees
- Its great as is (sic)
- It's good as is—maybe added garbage removal
- Great as is
- Not politically correct but southern pavilion is male sexual hangout. No sign indicating entrance to sanctuary @ south (pavilion) end.
- More benches
- Remove buckthorn (annually ++)
- I'd recommend fencing the sanctuary to keep deer out. The selective pressure from deer, earthworms, plus invasive exotic plants reduces the diversity of native plants. Thank you for working on this!

-
- Control of inappropriate activities: fires, construction, destruction of plants, disturbing birds
 - Quiet respect for wildlife there
 - Labels on plants or plant areas; signs about what kinds of birds visit in different times of the year.
 - Continue to improve habitat. Keep dogs out.
 - Put more wood chips down on paths again.
 - Restored native plant habitat that may include controlled burns at appropriate times of the year
 - Also why is there the small fenced-off area in the middle of the sanctuary with old feeders?
 - Eliminating “unapproved” trails and misuse
 - Keep the boardwalks in good repair; activate and keep up the big feeder at the top of the big hill.
 - None of the above—I prefer discovering things for myself.
 - Preserve habitat for birds, keep dogs and bikes out
 - Convincing runners to use the areas already in place for them to utilize – I am a runner and purposely stay out of Roberts. Also the men cruising for sex don’t enhance the park in my opinion.
 - Preserved habitat for birds
 - Not sure. I think the sanctuary is a real gem in the middle of a city. I’m always amazed at how many birds we find there.
 - Plz do not develop the area
 - More supervision to prevent habitat damage and prohibit dogs and bikes from entering the sanctuary (I am a dog and bike owner, but do not think either should be allowed). If not more supervision, improve signage so it is clear they are not allowed. Finally, Port o-Potties should be cleaned more frequently—especially soon after busy spring/summer weekends (clean out Monday morning)?
 - Fewer dogs
 - Trail map signage, better boardwalks
 - Fewer dogs and bikes on the trails. A fence that blended into the environment better than chain link
 - I have found the above on my own and learned due to my own interest.
 - Better entrance and exit signage. Buckthorn removal.
 - Fewer trails so as not to disturb the birds. Better signs so people stop bringing their dogs and bikes.

6. What would be your top three priorities for revitalizing Roberts Bird Sanctuary?

Improving habitat for birds 127 (85%)
Removing invasive species 110 (73%)
Planting trees and other vegetation 62 (41%)
Improving trails 35 (23%)
Improving signs 29 (19%)
Fixing the fence next to the cemetery 21 (14%)
Improving the entrances 16 (11%)

Other: 23 (15%)

- Map of best birding spots
- Better signs: no jogging, running, biking—it's a bird sanctuary!
- Don't make this a park.
- Better signs: no bike signs
- Remove buckthorn forest inside
- I like that it is slightly wild
- Too many gays having sex in bushes. I don't hate gays but I think the bird sanctuary has too many creepy-men lurking around doing it in the woods—I have never seen it, but it is a well-know fact. I have found gay-nude photos in those woods condom wrappers and more then once felt like I was being followed or stared at. it makes me realy uncomfortable and is a safety concern, as well as just creepy. It's unfair to the people who just want to go there to watch birds go jogging ect. It does more to make the bird sanctuary have a bad name then a couple dead trees or a hole in the fence (of corse, that matters too) (sic)
- Protecting wetland area and security
- Keep rustic; do not pave; keep it wild
- Why fix the fence?
- Improve the trials that are underwater; don't make it too" park-like"—keep it natural
- Bigger
- Nothin'!
- Improving habitat for birds
- Environmental education and a bird list/log
- Birding tours; maps—Wood Lake example of mapping of area as well as what has been seen in what months.
- Wetland system needs to be restored by removal of invasives and restoring natives.
- A few benches would be nice!

-
- Once again: Somehow keeping the men cruising for sex out of the area. Also convincing runners to sue the areas already in place—I am a runner and purposely stay out of Roberts.
 - The place is a bird sanctuary—so to me, the top priority is habitat for birds, with perhaps some trails for people to enjoy the space and the birds as well. Signing might be nice, in the sense of what might be seen, or information about the birds and their habitat. Sure improving the entrances and making it look neater would be nice, but not necessary for the birds! I have enjoyed this space because it was a breath of fresh air in the city, trees and birds that seemed to muffle the sounds of the city around it. Getting rid of invasive plants and even perhaps planting more things or creating more habitat might be good. But basically I have always looked at this space as a sanctuary and I am a visitor there.
 - The entrance/exit near the bandshell parking lot is quite hazardous to access. There is no pedestrian path connecting to the exit, and the exit is just around a sharp corner in the adjacent road, which prohibits both drivers and pedestrians from having good sight lines to each other. Making this exit/entrance safer and more pedestrian-friendly would be my highest-priority action item for the sanctuary revitalization plan.
 - Security. I see people with dogs. This is prohibited, but on the other hand, if my daughter was walking ther alone, I would want her to have dog with her. While my wife and I are fairly knowledgeable about birds, MANY of the people walking through don't really know what to look for. I really think that BIRDING Etiquette signs should be posted at each entrance.
 - Are there plans for redredging the ponds? The wetland area with boardwalk has filled in and not a lot of water there
 - Consider reopening the gate that is near the cemetery fence at the Rose Garden end of the sanctuary. Consider adding a new gate across from the beach at Lake Calhoun. (This would be on the hill with the fenced in bird feeder and a path already leads up to the fence.) Entrance at the bandstand end is restrictive for strollers and tends to puddle. Another few benches inside the sanctuary...along the main trail. I wouldn't recommend overdoing trail improvement. The rustic and primitive feel is a part of the charm. Main area for improvement is the plastic walkway that traverses the swamp area connecting the short path to the main path. And please, only deal with fallen trees if they impede an established path. These fallen trees become nature's own 'benches.'
 - More policing of the sanctuary
 - Safety issues—police patrols?
 - Since it's a bird sanctuary, I don't think the area should be sprayed for mosquitoes and it should not be treated with chemicals or other toxic substances.

7. What is your home zip code?

Zip Code # of Responses

10003	1
17111	1
53186	1
55108	1
55127	2
55303	1
55328	1
55337	1
55344	1
55378	2
55386	2
55391	1
55404	2
55405	3
55406	9
55407	7
55408	10
55409	20
55410	22
55412	1
55414	3
55416	5
55417	7
55418	2
55419	12
55422	1
55423	1
55426	1
55426	1
55424	2
55431	1
55436	5
55441	1
55454	1
55731	1
55803	1
56357	1
56537	1

Total responses: 136

8. In what decade were you born?

1940s	33	(22%)
1960s	31	(21%)
1950s	30	(20%)
1970s	17	(11%)
1990s	11	(7%)
1980s	11	(7%)
1930s	10	(7%)
1920s	7	(5%)

Total: 150

Additional comments

1. It's a wonderful place for us to walk with our children. I've heard about issues of safety and/or inappropriate uses of the park. While I haven't encountered any problems in that area directly, it still crosses my mind. I'm sure that improvements to the park would mitigate those issues, if they're present, and bring more use from families and bird watchers. Thanks so much for working on this and allowing input!
2. Roberts is a rare piece of land, a nature preserve and bird sanctuary in the middle of the city. One usually has to drive great distances to experience such natural habitat. It is vital that we preserve its natural state, which encourages bird populations, and limit the nature of its use. It is not possible to maintain a natural preserve and allow mixed use of the land. It needs to be used by walkers/hikers, birders, naturalists, it is not a recreational property for skiing, biking, jogging. This would discourage nesting and migrant bird populations, and other wildlife. There are plenty of other places for such activities but you can't find another nature preserve anywhere around. Please preserve it as a pristine piece of nature! Thank you. Jean Greenwood, 4515 Garfield Ave, Mpls, MN 55419; 612.825.4927; green104@umn.edu
3. If I can get the time, I would like to help revitalize the sanctuary. James (Jim) Sharpsteen, 5452 42nd Ave S, Minneapolis 55417 (612) 803-9327
4. I discovered the Roberts Bird Sanctuary by myself and do not think it is well known. I am more familiar with the Eloise Butler Wildflower Garden & Bird Sanctuary and would like to see the Roberts Bird Sanctuary developed similar to that. It is important to keep the natural environment that attracts birds and plants that are reflective of the area. The sanctuary also needs to be a safe place for people to go bird watching.
5. I am interested in helping revitalize Roberts Bird Sanctuary. Carol Beste; wlbeste@comcast.net
6. Gary C. Reiter gcreiter21@aol.com

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7. I would be happy to help with physical work and with habitat restoration and planning. I do this work on the side for the DNR Wild River State Park so I have some knowledge and experience. Brian Crotteau 4605 Aldrich Ave S Minneapolis 55419 bcrotteau@yahoo.com; 612-824-6293
 8. I am a lifetime Minnesota resident and grew up in Minneapolis. I have been birding the sanctuary since the 1970s. It is a jewel and should be preserved in as natural a state as possible.
 9. Kinda like it the way it is but that might be because that's the way its been since I moved here in 1987. It feels like one small part of the city that was just left to nature with a trail thru the middle.
 10. Please try to discourage those who use Roberts as a meeting place for sexual trysts.
 11. Terry Schlack (612) 922-5084
 12. Would be great if the wetland area could be restored through excavation and the reed canary grass removed.
 13. I've been dismayed at some of the Park Board's "improvements" which destroyed wonderful habitat for birds, e.g., the Nicollet Island. Another example is the cutting of grass along the West River Road south of Bohemian Flats which has resulted in an overabundance of Canada geese.
 14. As we all know, it's size is a limiting factor making it's primary value a migratory stopover. I think maintaining a healthy diverse habitat with ample food sources mostly free of invasives is the best plan. As I mentioned above trying to operate as a "Sanctuary" rather than a mixed use birding/exercise/cruising area. Is it time for surveillance cameras? I like the idea of a Eloise Butler style caretaker group.
 15. Like mentioned earlier in #2, I have never been to this part, and don't really know what it is like. I hope my survey can be of use for the improvement of the park!
 16. Bird sanctuaries should be dog free. There are many other options for dog walking.
 17. I am a master naturalist and would be happy to help in whatever efforts I can to help revitalize this great space. I particularly enjoy getting rid of invasive species, but can help in other ways as well. Please keep me informed on what is going on with this sanctuary, and what help is needed. Pamela Freeman 3520 Cedar Creek Dr NW Anoka, MN 55303
 18. Please don't over-improve this area...we like a little wildness!
 19. I only visit Roberts to watch birds, though I do appreciate a nice walk in the woods in the middle of the city (when the airplanes aren't flying over Lake Harriet).
 20. Great property—keep it up

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21. Anything that would detract from that experience, such as improving it for runners or dog walkers, would detract from making it a place for birding. (And I assume it was named after Thomas Sadler Roberts for a reason!) While I don't run any more, I do have a dog that I am happy to walk around Lake Harriet, and which I keep out of the bird sanctuary.
 22. Even though I no longer live in the area, I visit Roberts regularly. I buy the annual Minneapolis parking pass as well. J Brophy; jb@inet-serv.com
 23. Even though I no longer live in the area, I visit Roberts regularly. I buy the annual Minneapolis parking pass as well. J Brophy; jb@inet-serv.com
 24. Improved habitat and patrolling are my suggestions
 25. I am thrilled that MPRB, the Audubon Chapter, and the East Harriet-Farmstead and Linden Hills neighborhoods are tackling this important project together. I am looking forward the revitalized Sanctuary.
 26. It provides a little wilderness in an area that has too little of it. The lake is great but it is very busy. Sometimes it is nice to get away from all the noise and congestion. Joan Angeliar; jangeliar@goldengate.net
 27. I think a lot of people think it is kind of creepy and dangerous in the sanctuary—need to do something about that. Just get more people going through it I guess.
 28. The area continues to be a meeting place for men looking for sexual activity. While this doesn't "scare" me or keep me (as a man) away from the sanctuary, it does keep my wife from making solo walks. We are avid birders and LOVE having this available.
 29. I was the neighborhood representative on the committee that did the revitalization in the early 1990s (I have the notes and history pieces from then) and I would very much like to become actively involved with this project. I look forward to meeting others working on this project on 08-09-10. Carol Thomas; home 612-823-0375; work 612-624-5944 thomas@umn.edu
 30. Although my zip is 17111, I lived just across from the Lyndale Farmstead for years up til 1 year ago—I actually moved to that neighborhood to be near the sanctuary. I love to be outdoors but am sun-sensitive. My reasoning behind the extra gates is both to help more people find this treasure and to impact the unsavory behaviors that have been known to occur. Those engaging in such behaviors seem to favor areas that are 'off the beaten path'. Adding these entrances would create more 'beaten paths'. While I wouldn't want the sanctuary to become crowded, it is certainly underused.
 31. Having lived in area for 42 years I have see the serious destruction of habitat, especially the past few years. Please contact me so we can partner in protecting this great treasure. mbleeker@comcast.net
 32. Please keep it as a bird sanctuary—it is not meant to be a bike trail.

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33. Having lived in area for 42 years I have see the serious destruction of habitat, especially the past few years. Please contact me so we can partner in protecting this great treasure. mbleeker@comcast.net
34. It is a very special place, almost a secret and I like that...I feel the term sanctuary is the true meaning of the place for birds, animals vegetation and even humans. I love dogs... but was happy to see new signs trying to keep dogs out...I have seen deer, fox, mink, opossum, as well as the wide variety of birds...and felt the dogs were scaring away the other animals. I don't know if I was hallucinating but I may have seen a coyote in there recently as well? The focus in my mind should be to preserve and improve the habitat... and keep the place a special secret for those bird and nature lovers in the heart of a busy city. The place is precious to me and if donations are needed I would like to contribute. I will not be able to attend meetings at this time.
35. The long-term management plan should describe a gradual and sustained effort to remove the huge stands of buckthorn in the bird sanctuary. I'd also like to see more public education about what a bird sanctuary is and how valuable this area is as green space that is undisturbed by biking, team sports, and other human activities that would disrupt the area and lessen its value as a bird sanctuary. We need these areas for 'passive' recreation as much as we need 'active' recreation. We also should be educating the public about the history of this area and Roberts' legacy as an important figure in ornithology. Thank you.
36. Why not lock entrances (gates like west side on east side too) at sunset. Security sweeps on occasion. Stop further intrusion of people into area (e.g., food concessions). Lake Harriet has been "overloved" and is sadly deteriorated from milfoil to trash around concession to people walking out on boating docks eating with kids—bikers on footpaths near bandstand and concession stand, grass all trampled—area has been resodded 3x that I know of.
Birding Tours; Maps (Woodlake an example of mapping of area as well as what's been seen in what months; Observation decks; Signage: No runners, no dogs (on or off leash); no entry after sunset
37. Some sanctuaries have deputies—special vests or shirts and badges—who patrol and have authority to control.
Be sure fences are well maintained.
No accommodation of sports activities: no skiing, biking, running (esp. groups), throwing balls or discs.
No pets allowed
If you have short, deadend trails, they should be at points good for observation of a habitat. Some could have a bench.
38. I was introduced to the Roberts Bird Sanctuary by my mother in the 1940s.
39. We love the bird sanctuary! ☺

Additional contact information supplied

Mark Wagner: wagn0159@umn.edu

James B. Gilbert, 2116 E. Washington Avenue, Madison, WI 53704; jbgilbert199@gmail.com

Jane Gilgun, 3941 Abbott Ave S, Minneapolis, MN 55410; jgilgun@gmail.com

Tracey Dentsch, 4245 Garfield Ave S, Minneapolis, MN 55409; (612) 822-6350;
tdentsch@umn.edu

Mavis Fisher (612) 922-8517

Jean Scheu, 1170 No Evergreen Lane, Plymouth; 763-544-6804; 305-766-3028 (cell)

How can you help?

You can support and participate in the Roberts Revitalization Project.

Provide input by September 15, 2010

Complete a survey: Online at www.audubonchapterofminneapolis.org. Printed surveys are also available at the MPRB Environmental Operations office and at the Lyndale-Farmstead and Linden Hills community centers. Return printed surveys to ACM at P.O. Box 3801, Minneapolis, MN 55403

Attend a community meeting:

August 9, 2010, 7:00 to 8:00 p.m.
Lyndale-Farmstead Community Center
3900 Bryant Ave S Minneapolis

August 19, 2010, 6:30 to 7:30 p.m.
Linden Hills Community Center
3100 43rd Street W Minneapolis

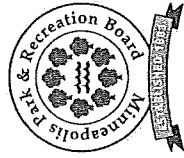
September 7, 2010, 7:00 to 8:00 p.m.
Mayflower Congregational Church
106 E Diamond Lake Road Minneapolis

(Note: The September 7 meeting is the regularly-scheduled Audubon Chapter of Minneapolis program meeting. Public input will be followed by a program about the Sanctuary from 8 - 9 pm. Everyone is welcome to attend the whole meeting.)

Volunteer

For information about volunteer opportunities, visit the ACM website at: www.audubonchapterofminneapolis.org

For more information



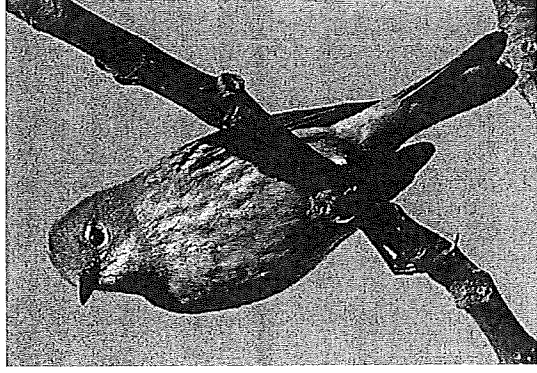
Minneapolis Park & Recreation Board
www.minneapolisparke.org



Audubon

Audubon Chapter of Minneapolis
P.O. Box 3801
Minneapolis, MN 55403
www.audubonchapterofminneapolis.org

Roberts Bird Sanctuary



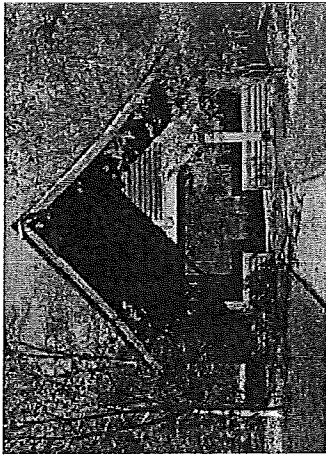
Revitalization Project



What is Roberts Bird Sanctuary?

Located in Lyndale Park, Roberts Bird Sanctuary includes about 13 acres of woodland and wetland north of Lake Harriet and south of Lakewood Cemetery. At the request of the Minnesota Audubon Society, this area was officially designated as a bird sanctuary in 1936 by Christian Bossen, the third Superintendent of the Minneapolis Park system.

In 1947, the bird sanctuary was named for Thomas Sadler Roberts, a retired physician who became a professor of ornithology at the University of Minnesota and director of the University's Museum of Natural History.



The Sanctuary's visitors shelter is located at the east entrance (near the Peace Garden).

As part of the Minneapolis Chain of Lakes Important Bird Area, Roberts Bird Sanctuary is recognized as a globally important habitat for the conservation of bird populations.

What is the present condition of the Sanctuary?

Like most natural areas in the park system, Roberts Bird Sanctuary has been considerably altered by non-native invasive species, urbanization and historical uses of the land. Both woodland and wetland areas within the Sanctuary are not regenerating well due to the competition and deep shade imposed by non-native invasive species, primarily glossy and common buckthorn. Some native wildflowers and shrubs still remain.

What is the Roberts Revitalization Project?

The project is a partnership formed in 2010 between the Minneapolis Park & Recreation Board (MPRB), Audubon Chapter of Minneapolis (ACM), East Harriet-Farmstead Neighborhood Association (EHFNA) and Linden Hills Neighborhood Council (LHINC).

What is the project goal?

The overall goal of the project is to enhance and protect this natural area as a sanctuary for birds by developing and implementing a long-term management plan. Enhancement activities are expected to include removal and management of invasive species and replanting native trees and other vegetation.



The Sanctuary's walking paths help visitors observe and enjoy the birds.

What is the plan and timeline?

The first step in the process of creating a long-term management plan for Roberts Bird Sanctuary will be to involve the community in identifying opportunities and priorities for enhancing the area. Three community meetings will be held to gather public input in the summer of 2010.

During the winter of 2010-11, MPRB staff members will provide technical input. Then ACM, EHFNA and LHINC will work with MPRB staff to develop a long-term management plan to enhance and protect the Sanctuary.

The final plan will be presented to the Commissioners of the Minneapolis Park & Recreation Board for approval and adoption in the Spring of 2011.

STAKEHOLDERS IN THE PLAN

The Audubon Chapter of Minneapolis (ACM)

The ACM began in 1939 as the Minneapolis Bird Club and became a chapter of the National Audubon Society in 1949. In 1975, the organization changed its name to the Audubon Chapter of Minneapolis and currently has approximately 2800 members. ACM represents the National Audubon Society (NAS) in greater Minneapolis and Hennepin County.

The ACM shares the mission of the NAS “to conserve and restore natural ecosystems, focusing on birds, other wildlife and their habitats for the benefit of humanity and the earth’s biodiversity” and acts locally in partnership with like-minded organizations to accomplish the goals of this mission.

The East Harriet Farmstead Neighborhood Association (EHFNA)

The association, officially incorporated in 1991, represents the Minneapolis neighborhood bordered by 36th Street on the north, 46th Street on the south, Lyndale Avenue on the east, and Lake Harriet and Lakewood Cemetery on the west. Roberts Bird Sanctuary is partially located within these boundaries.

The EHFNA Parks, Environment & Schools Committee works with neighbors and the Minneapolis Park and Recreation Board on a variety of programs to ensure a sustainably healthy environment and a clean, vital, safe, and active system of parks.

Linden Hills Neighborhood Council (LHiNC)

LHiNC is a community and volunteer-based nonprofit organization that strives to make Minneapolis a great place to live, work, and play by increasing community involvement and enhancing communication with the City of Minneapolis and within the neighborhood.

The mission of LHiNC's Environment Committee is to help create and maintain a sustainable, beautiful and healthy environment for Linden Hills residents, through activities that educate residents and improve the health of the urban forest and the quality of the air, lakes, and watershed

The Minneapolis Park and Recreation Board (MPRB)

Established in 1883, the MPRB is an independently elected, semi-autonomous body responsible for governing, maintaining and developing the Minneapolis park system.

The Minneapolis Park and Recreation Board’s mission is to:
permanently preserve, protect, maintain, improve, and enhance its natural resources, parkland, and recreational opportunities for current and future generations.

The Minneapolis Park and Recreation Board exists to:
provide places and recreation opportunities for all people to gather, celebrate, contemplate, and engage in activities that promote health, well-being, community, and the environment.

1



Community Engagement

POLICY

This policy applies to all Minneapolis Park and Recreation Board divisions and departments and outlines the implementation of Chapter 11 of the Minneapolis Park and Recreation Board Code of Ordinances. The policy outlines requirements for community engagement relative to projects for the Minneapolis Park and Recreation Board, including projects approved and budgeted through third party agreement.

All Minneapolis Park and Recreation Board divisions and departments are encouraged to follow this policy in working and communicating with stakeholders on initiatives outside of the approved and budgeted Capital Improvement Program (CIP).

1. The Board is to purposefully seek the participation of a broad representation of stakeholders to ensure that diverse community needs, interests, and resources inform decisions for a project.
2. The Board is to evaluate this policy and procedure every four-year period, with the first evaluation conducted in 2015.
3. Project managers are to perform project assessment and develop community engagement plans.
 - a. Project managers are to provide public notice of opportunities for community engagement as defined by Chapter 11 of the Minneapolis Park and Recreation Board Code of Ordinances and current policy and procedure.
 - b. Project managers are to coordinate with the Communications and Marketing Department to ensure strategies are consistent with current policy.
 - c. Project managers are to share community research and retain project records in accordance with the current MPRB Records Retention Schedule.
 - d. Project managers are to oversee consultant adherence to the requirements of Chapter 11 of the Minneapolis Park and Recreation Board Code of Ordinances and current policy and procedure.
4. All projects require a community engagement plan. The Board is to be informed of community engagement plans and resulting plan recommendations.
 - a. Staff will consult with neighborhood organizations and other representative community groups and individuals in developing community engagement plans.
 - b. The Board and staff are to utilize approved methods to involve stakeholders. New outreach and research methods may be introduced and reviewed by the Board as part of a community engagement plan.
 - c. A community advisory committee (CAC) is recommended within a community engagement plan and must be conducted in compliance with Chapter 11 of the Minneapolis Park and Recreation Board Code of Ordinances.
 - i. A CAC may be a non-appointed or appointed group of stakeholders.



- ii. The Board is to approve the final composition and charge for an appointed CAC, conduct public hearings on committee recommendations, and make final decisions regarding recommendations.
 - (1) An appointed CAC is required within a community engagement plan if the project outcomes may result in a change that is not specified in an approved master plan for a regional park.
 - iii. The Board is to review the charge for a non-appointed CAC, conduct public hearings for committee recommendations, and make final decisions regarding recommendations.
 - (1) A non-appointed CAC is required within a community engagement plan if the project outcomes may result in a change in public use of park land.
5. The Board is to allocate staff and financial resources to provide for implementation and evaluation of community engagement plans.
 6. This policy shall take effect and be in force thirty (30) days after adopted by the Board. Once in force, this policy will be in effect for projects that do not have an in-process or already established CAC as required or recommended.

DISCUSSION

A well-designed and consistently implemented community engagement process aligns agency decisions with the interests and priorities of Minneapolis residents and park users. The keys to engaging communities include visibility, transparency of process, the use of multiple channels of communication, respect for all points of view and ensuring the opportunity for every stakeholder to voice his or her opinion during a decision making process. The measure of community engagement is the level of participation - through increased participation the Minneapolis Park and Recreation Board (MPRB) is better able to successfully deliver projects representative of community needs, interests and resources.

Perspectives of Minneapolis residents, community groups, park users, staff, and the Board of Commissioners have informed the development of the policy on community engagement. Research on best practices, current trends, and national and local government policies in working with communities have contributed to policy framework.

The MPRB Board of Commissioners recognizes the organizational commitment necessary to stay engaged with and relevant to Minneapolis residents and users of the park system. This policy and procedure will guide the MPRB in authentically involving residents and park users in developing and delivering park projects that promote health, well-being, community, and the environment.

Goals of Effective Community Engagement

The following policy goals establish the expectations of effective community engagement for the MPRB and complement the core principles of community engagement adopted by the Minneapolis City Council.

1. Promote a culture of openness and learning in which consistent outreach and research methods increase community interest and participation.



2. Develop and sustain relationships that encourage the MPRB and the community to work together to advance the common good.
3. Provide opportunities for diverse people, ideas, and information to influence the development and implementation of park projects.
4. Enhance communication and outreach methods using available and emerging technology, including social media.

DEFINITIONS

Stakeholder(s): Any segment of a community that is impacted by, or has direct interest in a decision. This may include elected officials, residents, community groups or organizations, underrepresented communities, communities of color, MPRB staff, neighborhood organizations, developers, business owners, etc.

Community Engagement: The opportunity for stakeholders to influence decisions that shape the park system, including the intentional effort to create public understanding of MPRB projects, programs, and services, and to make certain the MPRB is aware of and responsive to stakeholder needs, concerns and industry trends. Interchangeable terms include: public participation, community involvement, and citizen participation.

Community Outreach: The practice of communicating with or gathering information from stakeholders to inform a specific project, impending decision or strategic planning effort. A variety of methods, tools, and strategies may be used to share information and obtain stakeholder perspectives. Examples of outreach include surveys, meetings, and focus groups.

Community Research: The practice of gathering data from primary or secondary sources to inform a specific project, impending decision, or strategic planning effort.

Primary Research: Any original research performed by MPRB staff. Examples include community surveys or aggregated data about program and services offered.

Secondary Research: Any existing research performed by another entity that has application to Minneapolis. This includes regional or national trend information; research completed by regional or state agencies, general industry, or market research.

Project: An intentional effort to achieve specific goals or outcomes in the development of new or redevelopment of existing facilities as approved and budgeted in a Capital Improvement Program (CIP) for the Minneapolis Park and Recreation Board, including construction and redevelopment of facilities approved and budgeted through third party agreement.

Project Manager: Any MPRB staff member or consultant responsible for following current policy and procedures on community engagement in development of new or redevelopment of existing facilities as approved and budgeted in a Capital Improvement Program for the Minneapolis Park and Recreation Board.



Board: Reference to the nine-member Park Board of Commissioners that are the independently elected, semi-autonomous body responsible for maintaining and developing the Minneapolis park system.

Committee of the Board: Reference to any committee that is comprised of two (2) or more Commissioners and established by the Board.

PROCEDURES

A. Project Assessment

Determining the appropriate approach in working and communicating with stakeholders is not scientific practice; there is no one formula for determining the most effective engagement strategy. Project managers are to be aware of requirements for community engagement based on funding source or other project characteristics.

To guide project managers in their approach, the following is to be completed upon project determination:

1. Complete the project assessment form as part of a collaborative discussion with MPRB staff members that have high stake and interest in a project. Group responses will help identify the initial level of community engagement for that particular project.
 - a. Project managers are to be aware that substantial degrees of change to a program, facility or level of service increase potential impact to stakeholders and highlight the importance of group assessment.
2. Consult the community engagement grid to select the level of community engagement for a project (inform, consult, collaborate, partner). Review the variety of approved outreach and research methods that may be utilized to inform the public participation objectives of the project.
 - a. A combination of approved methods, or new methods, may be used to develop a comprehensive engagement strategy or community engagement plan (see section B, Community Engagement Plans).

The project assessment form and grid are tools that represent the minimum work required in considering how to best design opportunities for community engagement on park projects. The form and grid are to be used in combination with each other; other tools or best practices may be used to supplement project assessment, stakeholder identification and community analysis.

B. Community Engagement Plans

All projects require a community engagement plan, even if the plan is simply a timeline for appropriate public notice and communications regarding the project. The plan's purpose is to provide clear and consistent direction regarding opportunities and expectations for community engagement over the project's duration.

At a minimum, the community engagement plan is to include the following information:

1. Identification of stakeholders that may be affected by the project.
2. Definition of stakeholder roles and responsibilities for the project.



3. Identification of the level of community engagement for the project, including the MPRB's goals and objectives and promise to the public.
4. Identification of approved outreach and research methods that will provide information to best inform the project outcome(s).
5. Identification of public notice and communication strategies.
6. Identification of resources needed to implement the plan.
7. Timeline for implementation, highlighting milestone dates.
8. An evaluation summary examining the efficacy of the community engagement process including a statement indicating how the process advanced policy goals (see section F, Evaluation).

Project managers are to:

1. Consult with established neighborhood organizations in developing community engagement plans. Collaboration with neighborhood organizations will ensure participation is broad based and inclusive, and build consistency between City supported participation programs and practices of the MPRB.
2. Consult with representative community groups or community leaders, and work with under-represented groups to develop and implement the plan.
3. Review the community engagement plan with the Board of Commissioners, and obtain approvals as necessary.
4. Encouraged to introduce new methods of engagement suggested by stakeholders and evaluate these methods for efficacy.
5. Modify the plan as circumstance warrants, and communicate substantial modifications to stakeholders and the Board.

C. Establishment of Advisory Committees

Advisory committees provide an opportunity for stakeholder groups to share insight and resources, and serve to build and sustain relationships between the community, partner agencies and the MPRB. Members of different types of advisory committees work collaboratively to provide comprehensive project recommendations to the Board.

Project Advisory Committee

1. Criteria for Creation
 - a. The project advisory committee (PAC) is comprised of a MPRB project manager and a cross-functional team of staff from departments affected by or involved in the project. The PAC allows for full information sharing for the community on options and implications for project development and implementation.
 - b. The Superintendent or Assistant Superintendent recommends MPRB staff for a PAC; the PAC may include individuals representing a consultant group.
2. Responsibilities
 - a. Manage all phases of the project to completion, ensuring that diverse stakeholder needs, interests, and resources are shared and inform decision making throughout the project phases.
 - b. Develop, execute and evaluate the community engagement plan.
 - c. Provide professional expertise on topics related to work responsibility.



- d. Maintain records of the process and make these records available for public review.
- e. Attend all scheduled committee meetings or assign a representative from their work specialty in case of absence.
- f. Regularly communicate project information to appropriate stakeholders, including MPRB staff.

Technical Advisory Committee

1. Criteria for Creation
 - a. The technical advisory committee (TAC) is comprised of individuals representing public agencies that are affected by or involved in the proposed project, including representatives of the MPRB, City Council, school board, City departments, state agencies, groups of professional industry expertise, established partners or partner groups, and other surrounding jurisdictions. A TAC is typically formed for projects of regional or city-wide significance involving multiple layers of complexity.
2. Responsibilities
 - a. Inform other advisory committees of inter-jurisdictional policies, professional recommendations, timelines, budgets, and political realities related to the project.
 - b. Attend all scheduled committee meetings or assign a representative from their work specialty in case of meeting absence.
 - c. Led by the PAC, the TAC will work collaboratively with other advisory committees to provide comprehensive recommendations to the Board.

Community Advisory Committee

1. Criteria for Creation and Responsibilities
 - a. The establishment of a community advisory committee (CAC) is recommended within a community engagement plan.
 - b. A CAC is one of two types: non-appointed or appointed.
 - c. The Board approves the final composition and duties, or charge, of an appointed CAC.
 - d. An appointed CAC is required if the project outcomes may result in a change that is not specified in an approved master plan for a regional park. An appointed CAC is typically used for projects of regional or citywide significance.
 - e. The Board reviews the duties, or charge, for a non-appointed CAC.
 - f. A non-appointed CAC is required if the project outcomes may result in a change in public use of park land. A non-appointed CAC is typically used for projects of neighborhood or community level significance and/or a project that replaces an existing and well used amenity, such as a playground, athletic field, trail segment, or wading pool.
 - g. A CAC will work collaboratively with other advisory committees to provide comprehensive project recommendations. Once complete, the CAC recommendations are presented before the Board in conjunction with a public hearing.
2. Committee Structure
 - a. Appointed - Appointed CACs shall be representative of stakeholder groups impacted by the project. An individual may be nominated for appointment by a Board Commissioner, City or State elected officials, neighborhood organizations, nearby cities or jurisdictions, or other community group representative of affected stakeholders. The project manager in consultation with the Board and



- management will review the appointees to ensure equitable representation from stakeholder groups. The total number of appointed members will amount to an odd number.
- i. A CAC chairperson is appointed by the Board President.
 - ii. The CAC chairperson is to assist the facilitation of public proceedings, act as spokesperson, and assist in presenting recommendations to the appropriate Committee of the Board or full Board.
- b. Non-appointed – Any stakeholder attending a public meeting or indicating interest in a project is considered a member of a non-appointed CAC. MPRB staff or a duly appointed representative will facilitate meetings and present the CAC recommendations before the Board.
- i. No CAC chairperson is required.
 - ii. Any amount of individual members may comprise a non-appointed CAC.
3. Meeting Requirements
- a. Either type of CAC is required to hold one or more meetings as necessary to determine project recommendations appropriate to the committee charge as approved or reviewed by the Board. Meeting agendas and discussion will focus on fulfillment of the committee charge.
 - b. All meetings are open to the public.
 - c. Expectations for all proceedings are that participants will engage in respectful civil discourse in an effort to enhance mutual understanding and promote collaborative decision making.
 - d. The PAC is to maintain and keep on file records of meeting attendance, notices, agendas, minutes, and committee actions. Stakeholder feedback gathered through approved tools and methods outside of a public meeting forum is information to be considered by the CAC.
 - e. The PAC is to make records available for review at each CAC meeting and throughout the course of the project upon stakeholder request.
4. Voting Requirements
- a. CAC members are to attend all scheduled meetings in order to ensure full, fair, and informed participation and decision-making. Ideally, consensus is the preferred form of decision-making.
 - b. When a vote is appropriate or necessary to produce final recommendations to the Board, participating CAC members attending two-thirds of public meetings are eligible to vote. Voting results are determined by majority rule, or more than half the votes of eligible members.
 - c. The CAC may submit resolutions to the Board indicating preferences for future improvements related to the project or project area that are outside the scope of the committee charge.
5. Board Procedure on Community Advisory Committees
- a. The designated Committee of the Board is to hold a public hearing for the review of recommendations of an appointed or non-appointed CAC (see section D, Public Notice).
 - b. The chair or acting chair may set the parameters of testimony to be received from interested parties.
 - c. Any person may testify at the public hearing regarding the CAC recommendations.
 - d. The project manager or consultant is responsible for presenting the full range of stakeholder recommendations to the Board, including any alternative recommendations or concerns identified by committee members.
 - e. After review of the recommendations and public testimony, the designated Committee of the Board will announce its decision to approve the recommendations or lay the matter over to a subsequent



committee meeting. Decisions of the Committee of the Board will be dated and forwarded to the full Board.

D. Public Notice

The purpose of public notice is to inform stakeholders of the opportunity for participation and provide timely, factual information on projects or proceedings. Notice may be provided to an individual by request, or delivered to a geographical area or target audience. Failure to give adequate notice to all affected stakeholders or defects in public notice shall not invalidate the process or project proceedings.

Staff is to:

1. Identify methods and strategies for public notification and communication as part of a community engagement plan.
2. Maintain records of public notice.
3. Notify MPRB internal customers, such as affected departments and individual staff in advance or concurrent with public notification.
4. Consult with the Communications and Marketing Department to ensure public notice procedure is consistent with current policy.
5. Utilize technology and distribution formats that effectively and economically communicate public information.

The *minimum* requirements for public notice are as follows:

1. For city-wide notification, staff is to:
 - a. Publish notice of the time, place, and purpose of a subject at least once, not less than ten (10) calendar days before the occurrence date in a newspaper of general circulation.
 - b. Issue a news release indicating the time, place, and purpose of a subject at least once, not less than ten (10) calendar days before the occurrence date.
 - c. Post notice of the time, place, and purpose of the subject not less than ten (10) calendar days before the occurrence date on the MPRB's website.
2. For notice of public meeting(s) for a project or a public hearing, staff is to:
 - a. Publish notice of the time, place, and purpose of the public meeting or hearing at least once, not less than ten (10) calendar days before the public meeting or hearing date in a newspaper of general circulation.
 - b. Issue a news release indicating the time, place, and purpose of a public meeting or hearing date at least once, not less than ten (10) calendar days before the public meeting or hearing date.
 - c. Mail notification to registered property owners within a three (3) block radius of the affected service area not less than ten (10) calendar days before the scheduled public meeting date or the first date in a series of public meetings.
 - d. Post notice of the time, place, and purpose of the public meeting, not less than ten (10) calendar days before the public meeting on the MPRB's website and at park facilities on or near the project area.



3. For any items subject to public review and comment, a minimum forty-five (45) calendar day review period is required. For notice of items, staff is to:
 - a. Publish notice of the time, place, and purpose of the item for public review and comment before or concurrent to the date the review period is to begin in a newspaper of general circulation.
 - b. Issue a news release indicating the schedule and purpose of the item for public review and comment before or concurrent to the date the review period is to begin.
 - c. Provide a print copy of the item for public review and comment at MPRB recreation centers and the main customer service desk.
 - d. Post the electronic copy of the item for public review and comment on the MPRB website and archive for one (1) calendar year after the closing date at this location.

Project managers are to comply with additional requirements for notification as indicated by outside agency policy, agreement or funding source.

E. Outreach and Research

The MPRB supports the use of a variety of techniques to interact with and obtain information from stakeholders. Outreach and research tools and methods can be applied for a variety of reasons, including but not limited to the following:

1. To evaluate the success and measure the community impact of existing programs, services or facilities.
2. To gain stakeholder insight and perspective regarding the development of a new program, service or facility.
3. To proactively identify or explore park and recreation trends or ideas.
4. To determine the essential services to be provided for a community or park area.
5. To query stakeholders when proposing or revising policy.
6. To resolve persistent conflicts or problems.

Stakeholders are empowered to generate new ideas as to how they would like to be communicated with, involved or engaged for a project. All new methods will be reviewed by the MPRB project manager prior to implementation. New methods can be added to the community engagement grid through feedback provided to the Board within an evaluation summary.

The purpose of community research is to collect data that will best inform specific project decisions or strategic direction and support the policy goals of effective community engagement. Research completed in advance of and during project development may include review of previously completed directives or mandates, master plans, community studies, industry trends, historical and demographic data. The project manager is responsible for determining the research data necessary to support and document decision making for a project.

The project manager is to retain community research data gathered for a project. The MPRB Records Retention Schedule establishes minimum retention periods for records based on their administrative, fiscal, legal and historical value and identifies how long to retain them. Project managers are to retain project records as indicated by the current MPRB Records Retention Schedule.



The department supervisor is to establish a management system to capture and retain research information in a shared repository, in either electronic or print form. The shared repository is to include primary and secondary research work or studies, including any data obtained through research partnerships, academic, or volunteer studies completed on behalf of the MPRB or contracted by the MPRB.

F. Evaluation

The Board is responsible for evaluating community engagement policy and procedure within the organization. Every four year cycle, the Board will review the community engagement policy and procedures to determine:

1. Overall compliance and alignment with the policy goals of effective community engagement.
2. Overall satisfaction and efficacy of methods from a stakeholder and organization point of view.
3. Addition of new tools and methods.

Data gathered from this review will determine policy revisions or budget allocation, and help to align the community engagement process with evolving stakeholder expectations. Ideally, this information would be captured as part of a citywide, statistically valid survey of overall resident and park visitor satisfaction and prioritization conducted on a periodic basis.

As required by a community engagement plan, the project manager is to provide an evaluation summary analyzing the effectiveness of the process from both stakeholder and organization points of view. The summary requires a brief statement indicating how the process advanced policy goals. The evaluation summary will assist the Board and staff in evaluating and informing an ongoing community engagement process.

G. Roles and Responsibilities

Every individual involved in a project is responsible for upholding excellent standards for community engagement by following approved policy and practicing consistent procedure. All persons have a right to be informed of projects of interest, be involved, and contribute to project goals and outcomes.

1. Stakeholder Role
 - a. Contribute feedback and remain informed on a project; encourage other stakeholders to participate in the process.
 - b. Participate in the process in a manner that promotes respectful civil discourse and enhances mutual understanding of all stakeholder viewpoints.
 - c. Work collaboratively with all stakeholders toward a common goal or project outcome.
 - d. Report project progress to community members, including businesses and interest groups.
 - e. Direct requests for information to the designated project manager.
2. Board of Commissioners Role



- a. Provide policy level support and resources to maintain an ongoing and effective community engagement process for the organization.
 - b. Understand and communicate the opportunities available for community engagement to stakeholders.
 - c. When recommended or approved, ensure a CAC process is conducted in compliance with Chapter 11 of the MPRB Code of Ordinances.
 - d. Share information obtained from stakeholders with project managers through the office of the Superintendent.
 - e. Be available to and communicate with stakeholders in a timely, consistent, and respectful manner.
3. Staff Role
- a. Provide assessment and determine approved methods to engage stakeholders; develop a community engagement plan and provide evaluation of the process.
 - b. Establish advisory committees as identified within a community engagement plan and manage the work of all advisory committee proceedings.
 - c. Provide stakeholders with feedback on how their input influenced a project decision and remain productively engaged with stakeholders throughout project phases.
 - d. Incorporate multiple sets of stakeholder considerations in order to present the most equitable and collaborative options for project decisions.
 - e. Be available to and communicate with stakeholders in a timely, consistent, and respectful manner.
 - f. Retain and share community research information.
 - g. Manage consultant adherence to current requirements of ordinance, policy, and procedure.

FORMS – All forms are available under the Planning Department at <http://PBIntra>.

ADDITIONAL INFORMATION

1. [Minneapolis Park & Recreation Board Code of Ordinances, PB11](#)



Debra L. Pilger
Director, Environmental & Equipment Services
Minneapolis Park & Recreation Board
3800 Bryant Avenue South
Minneapolis, MN 55409

November 1, 2010

Dear Deb:

The Audubon Chapter of Minneapolis appreciates the opportunity to submit the attached set of recommendations as input to the development of a long-term management plan for the Thomas Sadler Roberts Bird Sanctuary.

These recommendations reflect decades of local ornithological observation and expertise by many Audubon Minnesota members. Consistent with the current conservation priorities of the National Audubon Society, key priorities relate to the growing challenges of habitat loss, invasive species, human population pressures, and a changing climate. We hope Audubon's recommendations provide a framework in which to effectively address these significant challenges.

The overarching goal of revitalization efforts should be to maintain the natural and historic character of the Roberts Bird Sanctuary. It's important to reexamine the original goals of the Sanctuary in order to preserve its identity, while recognizing the changing needs of the community. This management plan will help preserve intimate and natural experiences for visitors, prevent incremental shift in utilization over time, and protect an irreplaceable resource.

ACM looks forward to an ongoing collaboration with MPRB to develop strategies to preserve the legacy of the Roberts Bird Sanctuary and protect this Important Bird Area.

Sincerely,

Jim Egge
President, Audubon Chapter of Minneapolis



**Priorities and Recommendations
for the
Revitalization of Roberts Bird Sanctuary**

Submitted to:

Deb Pilger

Director, Environmental & Equipment Services

Minneapolis Park & Recreation Board

(MPRB)

Submitted by:

Jim Egge, President

Audubon Chapter of Minneapolis

(ACM)

November 1, 2010

Introduction

Roberts Bird Sanctuary includes about 13 acres of woodland and wetland north of Lake Harriet and south of Lakewood Cemetery. Part of Lyndale Park, this area was officially designated as a bird sanctuary in 1936 by Christian Bossen, the third Minneapolis Park Superintendent. In 1947, the sanctuary was named for Thomas Sadler Roberts, a physician who became a professor of ornithology at the University of Minnesota and director of the University's Museum of Natural History (now known as the Bell Museum of Natural History). As part of the Minneapolis Chain of Lakes Important Bird Area (IBA), Roberts Bird Sanctuary is now recognized by the National Audubon Society as important habitat for the conservation of bird populations, both migrating and resident. (The Appendix includes information about IBAs.)

The Chain of Lakes IBA is used by hundreds of species that migrate between the northern forests and the southern states and Neotropics. As one of the few regional parks with a dense understory, Roberts Bird Sanctuary is used by migrants that need such habitat, including Connecticut and Mourning warblers. Among the species recorded in the past but not in recent years are Prothonotary Warbler, Wood Thrush, and Red-headed Woodpecker. (The Appendix includes lists of birds seen in and around the Roberts Bird Sanctuary.)

The Sanctuary provides feeding and breeding ground for woodland species such as Great Crested Flycatcher and Indigo Bunting, and birds that specialize in woods-wetland edge such as Warbling Vireo, Common Yellowthroat, and Yellow Warbler. It also provides refuge for predator species including Barred Owl, Great Horned Owl, Screech Owl, Cooper's Hawk, and Broad-winged Hawk, which have larger territories but need secluded habitat for roosting and breeding.

Like many natural areas in the park system, Roberts Bird Sanctuary has been considerably altered by non-native invasive species, urbanization and historical uses of the land. Both the wetland and woodland areas within the Sanctuary are not regenerating well due to the competition imposed by non-native invasive species, primarily reed canary grass and buckthorn (both glossy and common). Although small pockets of native shrubs and wildflowers remain, the value of the sanctuary as bird habitat is diminishing, especially in the wetland areas. This decline diminishes the experiences of visitors, since fewer types and smaller numbers of birds use the Sanctuary.

Although large-scale efforts will be needed to remove invasive species in the Sanctuary, such efforts must be timed and scaled to minimize disruption to bird populations. For example, buckthorn and other invasive shrubs and saplings should be removed during the late fall and winter, when damage to the habitat and disturbance of birds is minimal. Large trees should not be removed, since some species (particularly Pileated and other woodpeckers) use large dead trees. Invasive tree and shrub saplings should be removed so that as these species die off, they will be replaced by native species.

The Audubon Chapter of Minneapolis fully supports efforts to revitalize this Important Bird Area. The following pages propose priorities and management activities consistent with the goals of a bird sanctuary, in which the overriding goal is to enhance and conserve the natural environments that sustain bird populations. As a partner in this revitalization project, ACM looks forward to ongoing collaboration with MPRB in planning and executing management activities that will preserve the legacy of Roberts Bird Sanctuary and ensure its sustainability for future generations of birds and people.

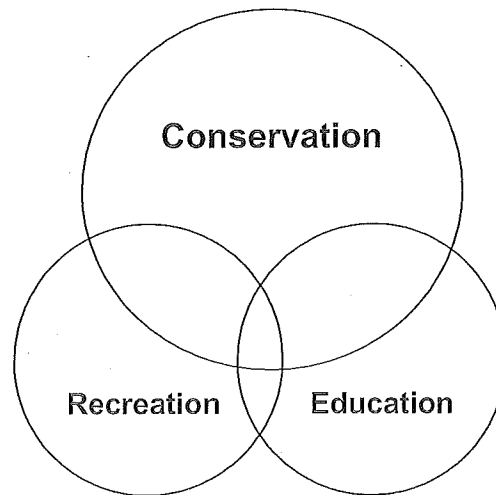
Roberts Bird Sanctuary Management Goals

ACM believes that four basic goals can be established for a bird sanctuary to provide a context in which to establish priorities and create a plan to revitalize Roberts Bird Sanctuary:

1. Protect birds and bird habitat.
2. Provide the public with a quality wildlife-watching experience.
3. Educate the public about birds, their role in ecosystems, and their conservation needs.
4. Demonstrate effective bird conservation practices, including systematic monitoring.

These goals involve three broad and overlapping areas of opportunity to revitalize the Sanctuary:

- *Conservation* is the keystone of efforts to revitalize the Sanctuary, in order to ensure that the site can continue to provide sustainable quality habitat as an Important Bird Area.
- *Recreation* includes activities that support and do not disrupt or compromise the health and sustainability of this IBA.
- *Education* includes both onsite and offsite activities that promote learning about birds and the natural environments that sustain bird populations.



Three Components of Revitalizing Roberts Bird Sanctuary

Ongoing systematic monitoring in each of these areas is an important component of effective bird conservation practices. Tracking changes and quantifying results of management activities will help evaluate effects and direct future activities.

Conservation

Goals: Protect birds and bird habitat and demonstrate effective bird conservation practices.

Revitalization Activities:

- Enhance existing natural wetland and woodland ecosystems in order to improve bird habitat for both migratory and nesting birds.
- Proactively manage invasive non-native and aggressive native tree and plant species.
- Increase biodiversity by introducing appropriate native plant species.
- Document bird and plant species.
- Minimize disruption to migrating and resident birds through appropriate planning, timing and scaling of management and other activities.

Highest priorities (activities with the most immediate impact):

- Remove non-native invasive species, including common and glossy buckthorn, reed canary grass, non-native honeysuckle, garlic mustard, mulberry and Amur maple.
- Plant shrubs and trees that provide high value (food and shelter) to birds, leaving dead trees for habitat.
- Repair the fence to control access by people and other large mammals (including deer).
- Enforce prohibitions against activities that are inconsistent with conservation goals, including biking, dogs, fires, building structures, and team sports.

Other short-term priorities (years 1 – 3):

- Schedule quarterly meetings with Audubon and neighborhood associations to discuss and plan conservation activities, identify funding opportunities, and collaborate on implementation.
- Strengthen the role of volunteers to assist with ongoing conservation efforts, e.g., through invasive species removal events, bird counts, and a Legacy Steward program (in which volunteers monitor and maintain targeted small areas through invasive species removal).
- Identify and seek various funding sources to achieve conservation goals.
- Identify and work with bird conservation projects, such as the Minnesota Breeding Bird Atlas.
- Survey trees, shrubs and other plants, as well as animals (especially deer and other large animals).
- Monitor and manage tree diseases.
- Test soil and water quality to identify potential issues.
- Eliminate the use of pesticides and herbicides within the Sanctuary.
- Establish and maintain a buffer zone around the Sanctuary.
- Document and report conservation activities and use by birds.

Long-term priorities:

Continue to:

- Consult with Audubon and neighborhood associations to identify, fund and implement appropriate conservation activities.
- Effectively utilize various funding sources to achieve conservation goals.
- Pro-actively monitor and manage invasive and aggressive species within and around the Sanctuary.
- Plant high-value native shrubs and trees, leaving dead trees for habitat.
- Protect a buffer zone around the sanctuary.
- Document bird and plant species and track changes over time as a way to inform future practices.
- Monitor and document effects of conservation activities on birds and adjust activities as needed.

Recreation

Goal: Provide the public with a quality wildlife-watching experience.

Revitalization Activities:

- Limit entry to current designated east and west entrances.
- Create and maintain a limited system of unpaved, low-impact and low-maintenance trails.
- Limit access to designated areas that will not disturb birds and bird habitat; discourage off-trail and nighttime use.
- Enhance and increase signage related to access to and movement through the Sanctuary, without detracting from looking natural,
- Allow activities that do not disrupt or compromise the health and sustainability of the IBA, including birding, walking, nature observation, drawing, photography, and traditional cross-country skiing on ungroomed trails.
- Enlist volunteers to publicize and supervise recreational activities, including classes and tours.

Highest priorities (activities with the most immediate impact):

- Design and implement a limited and low-maintenance trail system that supports conservation goals and minimizes construction and disruption.
- Improve signage by consolidating existing signs to clarify allowed and prohibited activities in a bird sanctuary. ("Take only pictures, leave only footprints.")
- Continue to prohibit activities incompatible with Sanctuary conservation goals, such as dog walking, biking, and competitive and/or team sports.

Other short-term priorities (years 1 – 3):

- Schedule quarterly meetings to consult with Audubon and neighborhood associations to plan and manage recreation activities.
- Publicize allowed recreational activities of bird watching, walking, nature observation and drawing/photography.
- Recruit local birders and artists to offer classes on birding and drawing/photography.
- Erect a crosswalk with stop sign and painted stripes at the west entrance to improve safety for pedestrians crossing the road.
- Repair and/or move damaged sections of boardwalk through the wetland.
- Document and report recreational activities.

Long-term priorities:

Continue to:

- Maintain a limited system of unpaved, low-impact and low-maintenance trails.
- Limit recreational activities to those that do not disrupt or compromise the health and sustainability of the IBA.
- Document and report recreational use.
- Monitor and document effects of recreational activities on birds and adjust activities as needed.

Education

Goal: Educate the public about birds, their role in ecosystems, and their conservation needs.

Revitalization Activities:

- Enhance and expand utilization of the visitor shelter as a central area for education and events.
- Provide educational materials about the Sanctuary at the visitor shelter.
- Plant native plants near the visitor shelter to educate people about food sources for birds.
- Expand the use of MRPB and Audubon websites as vehicles for education related to Roberts Bird Sanctuary.
- Identify and inspire the next generation of stewards by reaching out to schools, groups and neighborhoods.
- Work with the University of Minnesota and other local higher-education institutions to recruit interns for conservation and research projects.
- Sponsor educational events by local experts and educators.

Highest priorities (activities with the most immediate impact):

- Expand and maintain displays about birds in the visitor shelter.
- Develop and distribute a customized brochure/map that provides historical, ornithological and botanical information and explains how the Sanctuary can be used for recreation.
- Work with local schools to offer educational programs for students and to recruit volunteers for special projects related to the Sanctuary.
- Contact the University of Minnesota and other local higher-education institutions to recruit interns for conservation and research projects.

Other short-term priorities (years 1 – 3):

- Continue to offer birding classes and tours.
- Develop materials about birds for guided and self-guided tours.
- Provide a log in which people can write descriptions of their observations.
- Recruit local educators, birders and naturalists to design learning activities and materials, such as a self-guided hunt for specific birds and interpretive materials that draw people to see wildlife and plants they might otherwise miss during their visit.
- Plant a ‘bird magnet’ garden near the visitor shelter to educate visitors about food sources for birds.
- Document and report educational activities.

Long-term priorities:

Continue to:

- Create and maintain displays, literature and websites for educational purposes.
- Consult with Audubon and neighborhood associations to plan and manage educational activities.
- Recruit schools and colleges/universities for educational programs and research projects.
- Expand educational materials and events to encompass native plants and wildflowers.
- Monitor and document effects of educational activities on birds and adjust activities as needed.

APPENDIX

Important Bird Areas (IBAs)

The Important Bird Areas Program (IBA) is a global effort to identify and conserve areas that are vital to birds and other biodiversity. By working with Audubon chapters, landowners, public agencies, community groups, and other non-profits, Audubon endeavors to interest and activate a broad network of supporters to ensure that all Important Bird Areas are properly managed and conserved.

Important Bird Areas, or IBAs, are sites that provide essential habitat for one or more species of bird. IBAs include sites for breeding, wintering, and/or migrating birds. IBAs may be a few acres or thousands of acres, but usually they are discrete sites that stand out from the surrounding landscape. IBAs may include public or private lands, or both, and they may be protected or unprotected.

To qualify as an IBA, sites must satisfy at least one of the following criteria. The site must support:

- Species of conservation concern (e.g. threatened and endangered species)
- Restricted-ranges species (species vulnerable because they are not widely distributed)
- Species that are vulnerable because their populations are concentrated in one general habitat type or biome
- Species, or groups of similar species (such as waterfowl or shorebirds), that are vulnerable because they occur at high densities due to their congregatory behavior.

Identification of a site as an IBA indicates its unique importance for birds. Nonetheless, some IBAs are of greater significance than others. A site may be important at the global, continental, or state level. The IBA identification process provides a data-driven means for cataloging the most important sites for birds throughout the country and the world. The use of a hierarchical classification system further helps to establish priorities for conservation efforts.

The Important Bird Areas Program helps birds by setting science-based priorities for habitat conservation and promoting positive action to safeguard vital bird habitats.

The identification of IBAs is an important first step in larger bird conservation initiatives. IBA inventories provide a scientifically defensible method for prioritizing conservation activities and allocating limited conservation dollars to ensure the maximum benefit to birds.

Conservation activities at IBAs reflect the unique circumstances of each site (e.g. size, location, and ownership). For example, public areas may be conserved by open-space acquisition and by working with land managers to improve habitat management practices for key species of birds. Private lands may be conserved through public-private partnerships such as easements, and through landowner education.

Source: <http://web4.audubon.org/bird/iba/>

Birds Seen in Roberts Bird Sanctuary

	Status	Breed	Frequency	Notes
1	Wood Duck	S	b	has bred in sanctuary
2	Mallard	S	b	
3	Green Heron	S	r	
4	Sharp-Shinned hawk	M	r	
5	Cooper's Hawk	S	b	increasing in recent years
6	Broad-winged Hawk	S		
7	American Kestrel	R		
8	Common Pheasant	R	r	
9	Sora	S		
10	Solitary Sandpiper	M	r	
11	Killdeer	S	b	has bred in Peace Garden
12	Rock Dove	R		
13	Mourning Dove	S	b	c
14	Black-billed Cuckoo	M		
15	Yellow-billed Cuckoo	M	r	
16	Eastern Screech Owl	R		
17	Great Horned owl	R	b	
18	Barred Owl	R	b	
19	Long-eared Owl	M	r	
20	Common Nighthawk	S		seen overhead
21	Whip-poor-will	M	r	
22	Chimney Swift	S	c	seen overhead
23	Ruby-throated Hummingbird	S		
24	Red-headed Woodpecker	S	b	x
25	Red-bellied Woodpecker	R	b	seen nesting in tree cavity
26	Yellow-bellied Sapsucker	M		
27	Downy Woodpecker	R	b	c
28	Hairy Woodpecker	R	b	c
29	Northern Flicker	S		numbers reduced
30	Pileated Woodpecker	R	r	now rare
31	Olive-sided Flycatcher	M	r	
32	Eastern Wood-Pewee	S	b	
33	Yellow-bellied Flycatcher	M		
34	Alder Flycatcher	M	r	
35	Willow Flycatcher	S	r	
36	Least Flycatcher	M	c	

Key

Status: R: resident all year; S: summer (and migration); M: migrant; W: winter (and migration)
 Breed: b: probably breeds
 Frequency: c: common; r: rare; p: presumed present; x: extirpated, seen in past but probably gone

Birds Seen in Roberts Bird Sanctuary (continued)

		Status	Breed	Frequency	Notes
37	Eastern Phoebe	S	b		
38	Great Crested Flycatcher	S	b		
39	Blue-headed Vireo	M			
40	Yellow-throated Vireo	S			
41	Philadelphia Vireo	M			
42	Red-eyed Vireo	S	b	c	
43	Warbling Vireo	S	b	c	
44	Blue Jay	R	b	c	
45	American Crow	R	b	c	
46	Tree Swallow	S	b		seen overhead
47	Barn Swallow	S		c	seen overhead
48	Ruby-crowned Kinglet	M		c	
49	Golden-crowned Kinglet	M		r	
50	Cedar Waxwing	S		c	
51	Winter Wren	M			
52	Marsh Wren	S		x	
53	House Wren	S	b	c	
54	Gray Catbird	S	b	c	
55	Brown Thrasher	S		r	numbers reduced
56	Common Starling	R	b	c	
57	Veery	M			
58	Gray-cheeked Thrush	M			
59	Swainson's Thrush	M			
60	Wood Thrush	M		r	
61	Hermit Thrush	M			
62	American Robin	R	b	c	
63	Blue-gray Gnatcatcher	S			
64	Black-capped Chickadee	R	b		
65	Red-breasted Nuthatch	M		r	
66	White-breasted Nuthatch	R	b	c	
67	Brown Creeper	M			
68	Blue-winged Warbler	M		r	
69	Golden-winged Warbler	M			
70	Tennessee Warbler	M		c	

Key

Status: R: resident all year; S: summer (and migration); M: migrant; W: winter (and migration)
 Breed: b: probably breeds
 Frequency: c: common; r: rare; p: presumed present; x: extirpated, seen in past but probably gone

Birds Seen in Roberts Bird Sanctuary (continued)

	Status	Breed	Frequency	Notes
71	Orange-crowned Warbler	M		
72	Nashville Warbler	M		
73	Northern Parula	M		
74	Yellow Warbler	S	b	
75	Chestnut-sided Warbler	M		
76	Magnolia Warbler	M		
77	Cape May Warbler	M		
78	Yellow-rumped Warbler	M	c	
79	Black-throated Blue Warbler	M		more common in Fall
80	Black-throated Green Warbler	M		
81	Blackburnian Warbler	M		
82	Pine Warbler	M		
83	Palm Warbler	M		
84	Bay-breasted Warbler	M		
85	Blackpoll Warbler	M		
86	Cerulean Warbler	M	r	
87	Black-and-white Warbler	M		
88	American Redstart	S	c	
89	Prothonotary Warbler	M	x	
90	Ovenbird	M		
91	Northern Waterthrush	M		
92	Kentucky Warbler	M	r	
93	Connecticut Warbler	M	r	
94	Mourning Warbler	M		
95	Common Yellowthroat	S	b	
96	Hooded Warbler	M	r	
97	Wilson's Warbler	M		
98	Canada Warbler	M		
99	Pine Siskin	M		
100	American Goldfinch	R	b	c
101	Common Redpoll	W		p
102	House Finch	R	b	c
103	Purple Finch	M		r
104	White-winged Crossbill	W		p

Key

Status: R: resident all year; S: summer (and migration); M: migrant; W: winter (and migration)
 Breed: b: probably breeds
 Frequency: c: common; r: rare; p: presumed present; x: extirpated, seen in past but probably gone

Birds Seen in Roberts Bird Sanctuary (continued)

		Status	Breed	Frequency	Notes
105	Fox Sparrow	M			
105	Song Sparrow	S	b	c	
107	Lincoln's Sparrow	M			
108	Swamp Sparrow	S	b	c	
109	Harris's Sparrow	M		p	
110	White-crowned Sparrow	M		r	
111	White-throated Sparrow	M		c	
112	American Tree Sparrow	W		p	
113	Dark-eyed Junco	M			
114	Chipping Sparrow	M	b	c	
115	Vesper Sparrow	S		x	
116	Field Sparrow	S		x	
117	Eastern Towhee	S		r	
118	Scarlet Tanager	M			
119	Rose-breasted Grosbeak	S	b		
120	Northern Cardinal	R	b	c	
121	Indigo Bunting	S	b		
122	Baltimore Oriole	S	b		
123	Red-winged Blackbird	S	b		
124	Rusty Blackbird	M		r	
125	Common Grackle	S	b	c	
126	Brown-headed Cowbird	S	b		
127	House Sparrow	R	b	c	

Key

Status: R: resident all year; S: summer (and migration); M: migrant; W: winter (and migration)
 Breed: b: probably breeds
 Frequency: c: common; r: rare; p: presumed present; x: extirpated, seen in past but probably gone

Birds Seen in Lake Harriet and/or Nearby

	Status	Breed	Frequency	Notes
1 Red-necked Grebe	M		r	
2 Horned Grebe	M			
3 Double-crested Cormorant	S			
4 Ruddy Duck	M		r	
5 Tundra Swan	M			
6 Canada Goose	S	b	c	seen over sanctuary
7 American Wigeon	M			
8 Gadwall	M		r	
9 Green-winged Teal	M			
10 Northern Pintail	M		r	
11 Blue-winged Teal	M			
12 Northern Shoveler	M			
13 Canvasback	M		r	
14 Redhead	M		r	
15 Ring-necked Duck	M		r	
16 Greater Scaup	M			
17 Lesser Scaup	M			
18 Common Goldeneye	M			
19 Northern Pintail	M		r	
20 Bufflehead	M			
21 Hooded Merganser	M		r	
22 Red-breasted Merganser	M			
23 Common Merganser	M			
24 Great Blue Heron	S			
25 Great Egret	S			
26 Black-crowned Night Heron	S	b		
27 Turkey Vulture	S		r	
28 Bald Eagle	S		r	seen over sanctuary
29 Red-tailed Hawk	S			seen over sanctuary
30 Peregrine Falcon	S		r	
31 American Coot	M		c	
32 Spotted Sandpiper	M			
33 Ring-billed Gull	S		c	seen over sanctuary
34 Herring Gull	S		c	seen over sanctuary
35 Bonaparte's Gull	M		r	
36 Caspian Tern	M			
37 Forster's Tern	M			
38 Pacific Loon	M		r	one record
39 Common Loon	M			
40 Sage Thrasher	M		r	one record

Key

Status: R: resident all year; S: summer (and migration); M: migrant; W: winter (and migration)

Breed: b: probably breeds

Frequency: c: common; r: rare; p: presumed present; x: extirpated, seen in past but probably gone

G

MINNEAPOLIS PARK &
RECREATION BOARD



Effective Date:
30 June 2010

Tobacco Use Policy

Tobacco Use Policy

It is the policy of the Minneapolis Park & Recreation Board that no person shall:

1. Smoke or use any tobacco product within any Minneapolis Park & Recreation Board owned or leased building, vehicle, or equipment
2. Smoke or use any tobacco product within one hundred (100) feet of the entrance to any Minneapolis Park & Recreation Board owned or leased building
3. Smoke or use any tobacco product inside the designated perimeter or within one hundred (100) feet of any playground, beach, wading pool, or water play area
4. Smoke or use any tobacco product within the bleachers or stands, or within fifty (50) feet of any youth athletic field or youth athletic contest
5. Smoke or use any tobacco product anywhere in the Minneapolis Sculpture Garden, The Eloise Butler Wildflower Garden and Bird Sanctuary, Lyndale Park Gardens, The Rose Garden, Peace Garden, Longfellow Garden, Roberts Bird Sanctuary, The Lake Harriet Bandstand, The Wirth Winter Recreation Area
6. Smoke or use any tobacco product at any permitted event; however the event may apply for a waiver to this policy

The Minneapolis Park & Recreation Board:

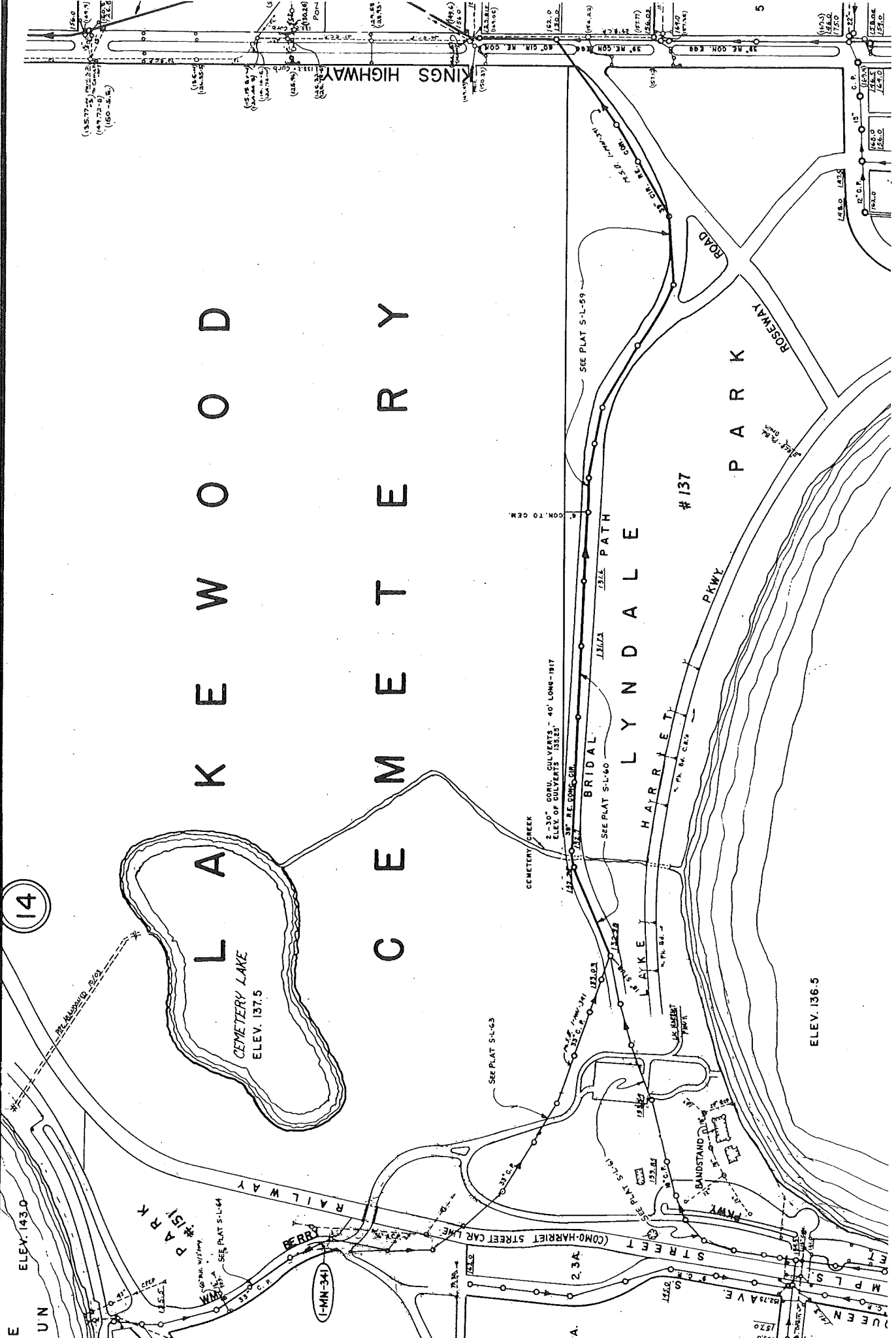
1. Directs that appropriate signs be posted in the specific areas the Tobacco-Free Policy applies
2. Directs that the community, especially facility and program users and staff be notified of this policy.
3. Directs that staff will make periodic observations of the recreation facilities and programs to monitor compliance
4. Directs that any person found violating this policy may be subject to immediate ejection from the Minneapolis Park & Recreation Board facility and/or program

This policy shall become effective at midnight, June 30, 2010 (05/05/2010)

2



Existing Trails in the Sanctuary
Blue lines indicate Superdeck boardwalk
Red lines indicate earth trails



L A K E W O O D

C E M E T E R Y

#137

14

H

I

J



STATE OF MINNESOTA DEPARTMENT OF NATURAL RESOURCES

PHONE NO. 772-7910 Metro Waters, 1200 Warner Rd., St. Paul, MN 55106 FILE NO.

DATE: 10/16/92

TO: Mr. Jeff Lee

Minneapolis Park & Rec. Board
310 4th Ave S.
Mpls MN 55415



RE: PERMIT NUMBER: 91-6164

LOCATION: Section 9, Township 28 N, Range, 24 W

PROJECT DESCRIPTION: wildlife excavation, Sanctuary Marsh (27-665P) - culvert

This letter is being sent to you to determine the status of the project authorized by this permit. Our records indicate that your permit has (will) expire on 11-30-92. Please check the appropriate boxes below, make written explanations where necessary, and return this signed form within 30 days.

If we do not hear from you within 30 days, we will assume that you have completed the project or are no longer interested in pursuing the authorized work. At that time, our permit file will be closed and should you wish to complete your project in the future, you would need to submit a new DNR (Protected Waters) Appropriation permit application. A new permit application requires submittal of fees, etc.; therefore, it is important that you respond quickly.

A routine inspection of your project may be made in the near future by a Department field representative to verify project compliance with permit conditions. However, there are no additional fees, and you need not be present. Thank you for your cooperation. If you have any questions on this matter, contact Area Hydrologist Cecil Strauss at 772-7910.

PERMITTEE'S PROJECT COMPLETION REPORT

Was the authorized work completed? (Please provide photographs or as-built surveys if project is completed). X yes no

If yes: Approximate completion date? May 1992 Were there any modifications? yes X no

If no: Do you intend to complete the work? yes no Do you need a 1 year extension? yes no

COMMENTS: (Use reverse side if necessary)

Date: 10/26/92

Jeffrey T. Lee Permittee's Signature

NA-02733-04
(Rev.3/90)

MINNESOTA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATERS



PROTECTED WATERS PERMIT

P.A. Number

91-6164

Pursuant to Minnesota Statutes, Chapter 105, and on the basis of statements and information contained in the permit application, letters, maps, and plans submitted by the applicant and others supporting data, all of which are made a part hereof by reference, PERMISSION IS HEREBY GRANTED to the applicant named below to change the course, current or cross section of the following:

Protected Water Sanctuary Marsh (27-665P)	County Hennepin
Name of Applicant Minneapolis Parks & Recreation Board Attn: Jeff Lee	Telephone Number (include Area Code) (612) 348-2220
Address (No. & Street, RFD, Box No., City, State, Zip Code) 310 4th Avenue South, Minneapolis, MN 55415	
Authorized to: excavate approximately 2.3 acres for wildlife habitat enhancement; place 18" equalizing culvert at an invert of 136.0' city datum (846.3' NGVD, 1929); all in accordance with original application documents received March 1, 1991, with modifications detailed in plans received December 19, 1991 and January 21, 1992.	
Purpose of Permit: Wildlife Enhancement	Expiration Date of Permit November 30, 1992
Property Described as: NW $\frac{1}{4}$ Section 9, T28N, R24W	County Hennepin
As Indicated: (8) Does not apply	As Indicated: (11) the ordinary high water elevation

This permit is granted subject to the following GENERAL and SPECIAL PROVISIONS:

GENERAL PROVISIONS


1. This permit is permissive only and shall not release the permittee from any liability or obligation imposed by Minnesota Statutes, Federal Law or local ordinances relating thereto and shall remain in force subject to all conditions and limitations now or hereafter imposed by law.
2. This permit is not assignable except with the written consent of the Commissioner of Natural Resources.
3. The Regional Hydrologist shall be notified at least five days in advance of the commencement of the work authorized hereunder and shall be notified of its completion within five days thereafter. The Notice of Permit issued by the Commissioner shall be kept securely posted in a conspicuous place at the site of operations.
4. No change shall be made, without written permission previously obtained from the Commissioner of Natural Resources, in the dimensions, capacity or location of any items of work authorized hereunder.
5. The permittee shall grant access to the site at all reasonable times during and after construction to authorized representatives of the Commissioner of Natural Resources for inspection of the work authorized hereunder.
6. This Permit may be terminated by the Commissioner of Natural Resources at any time he deems it necessary for the conservation of water resources of the state, or in the interest of public health and welfare, or for violation of any of the provisions of this permit, unless otherwise provided in the Special Provisions.
7. Construction work authorized under this permit shall be completed on or before date specified above. Upon written request to the Commissioner by the Permittee, stating the reason therefore, an extension of time may be obtained.
8. The excavation of soil authorized herein shall not be construed to include the removal of organic matter (as indicated above) unless the area from which such organic matter is removed, is impervious, or is sealed by the application of bentonite after excavation.
9. In all cases where the doing by the permittee of anything authorized by this permit shall involve the taking, using, or damaging of any property rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the permittee, before proceeding therewith, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights and interests necessary therefore.

10. This permit is permissive only. No liability shall be imposed by the State of Minnesota or any of its officers, agents or employees, officially or personally, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the permittee or any of its agents, employees, or contractors relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claims or right of action of any person other than the state against the permittee, its agents, employees, or contractors, for any damage or injury resulting from any such act or omission, or as estopping or limiting any legal claim or right of action of the state against the permittee, its agents, employees, or contractors for violation of or failure to comply with the permit or applicable provisions of law.
11. No material excavated by authority of this permit nor material from any other source, except as specified herein, shall be placed on any portion of the bed of said waters which lies below (as indicated above).
12. Any extension of the surface of said waters resulting from work authorized by this permit shall become protected waters and left open and unobstructed for use by the public.
13. This permit does not obviate any requirement for federal assent from the U.S. Army Corps of Engineers, 1421 U.S. Post Office and Custom House, St. Paul, Minnesota 55101-9808.

SPECIAL PROVISIONS

14. The permittee shall comply with all rules, regulations, requirements, or standards of the Minnesota Pollution Control Agency and other applicable federal, state, or local agencies.
15. Permittee shall ensure that the contractor has received and thoroughly understands all conditions of this permit.
16. Erosion control measures shall be adequately designed for the site characteristics. They may include staked haybales, diversion channels, sediment ponds, or sediment fences. They shall be installed in accordance with "Protecting Water Quality in Urban Areas - Best Management Practices for Minnesota" MPCA, October 1989, prior to commencement and maintained throughout project. All exposed soil shall be stabilized as soon as possible and no later than 72 hours after the completion of the project. Topsoil should be used to re-dress disturbed soil areas and indigenous plant species should be used to revegetate disturbed areas whenever possible.
17. Excavated materials shall not be deposited or stored along side the protected water in a manner where the materials can be redeposited into the protected water by reasonably expected high water or runoff.
18. A sediment barrier shall be installed around the area of excavation placement during the project to limit turbidity to the affected areas. This barrier may involve use of a filter fabric material attached to stakes or a snow fence anchored to the lakebed. The barrier shall be removed upon completion of the work, after sediment is settled.
19. Upon completion of the authorized work, the permittee shall submit an as-built survey and representative color photographs of the project area to DNR Metro Waters, 1200 Warner Road, St. Paul, MN 55106.

cc: R. Quanbeck, Minnehaha Creek WSD
 Perry Damon, Minneapolis Public Works
 USCOE
 Hennepin SWCD
 Jon Parker, DNR Wildlife
 D. Zappetillo, DNR Fisheries
 Conservation Officer Mike Hammer
 Joan Galli, Nongame Wildlife
 R. Anderson, St. Paul Waters
 Wetland 27-665W file

Authorized Signature	Title	Date
John Linc Stine 	Regional Hydrologist	2/11/92

DEPARTMENT : of Natural Resources
DIVISION OF WATERS

STATE OF MINNESOTA

Office Memorandum

DATE : ~~MAY 3, 1991~~ Feb 4, 1992

TO : JOHN LINC STONE

FROM : ^{CS}JOE REUTER FOR CELL STRAUSS, Permit Reviewer
Metro Region Division of Waters

PHONE : 296-7523

SUBJECT : PROJECT EVALUATION REPORT

PERMIT NUMBER 91-6164 APPLICANT MINNEAPOLIS PARK, BEL. BOARD
WATER AFFECTED SANCTUARY MARSH (27-66.5P)
PERMIT TYPE PROTECTED WATERS 1036.245 / DREDGING
COUNTY/LOCATION HENNINGEN COUNTY / CITY OF MINNEAPOLIS
FEES \$500.00 - PAID

PROJECT PROPOSAL: EXCAVATE 11,450 CUBIC YARDS OF MATERIAL FROM 2.29 ACRES OF WETLAND. THE EXCAVATION WILL BE FROM TWO AREAS OF .91 ACRES AND 1.38 ACRES. THE EXCAVATIONS WILL BE 3+ FEET DEEP FROM THE CURRENT ELEVATION OF 549 FEET, AND THEY WILL HAVE 3:1 HORIZONTAL:VERT. OVER

APPLICABLE REGULATIONS:

- MN RULES 6115.0190 FILL IN/IN PROTECTED WATERS - APPLIES
- MN RULES 6115.0191 SPECIFIC STANDARDS - APPLIES
- MN RULES 6115.0200 EXCAVATION OF PROTECTED WATERS - APPLIES
- MN RULES 6115.0201 STANDARDS - APPLIES

COMMENTS (F&W, SWCD, Etc.), FIELD INSPECTION & DISCUSSION:

1. COMMENTS:

- USCOE - NO REPLY
- HENNINGEN SWCD - NO CONCERN
- MCWSD - 1. FILL SHOULD NOT DECREASE FLOOD STORAGE CAPACITY
- 2. SPOIL MUST BE DISPOSED OF ABOVE THE 100-YR FLOOD.
- 3. THE PROJECT SHOULD BE THE "MINIMAL IMPACT SOLUTION"
- 4. PROPER EROSION CONTROL MUST BE USED.
- 5. THE AREA MUST BE PROMPTLY SEEDER & MULCHED

- AWM - 1) A LOOSE STRIPE CONTROL PROGRAM MUST BE DEVELOPED BEFORE CONSTRUCTION BEGINS.
- 2) SLOPES SHOULD BE AT LEAST 10:1
- 3) A WIDE TRACKED CATERPILLAR SHOULD PERFORM EXCAVATION IN LATE SUMMER.
- 4) THE SPOILS SHOULDN'T BE USED TO CONSTRUCT BERMS AROUND THE WETLAND. THE BERMS WOULD BE USED AS TRAILS AND WOULD REDUCE THE AREA THAT STORMWATER CAN SPREAD INTO & REDUCE WILDLIFE VALUE.
- 5) EXCAVATION AND FILL ARE NOT APPROPRIATE WAYS TO MANAGE LOOSE STRIPE.

2. DISCUSSION: OVER →
RECOMMENDATIONS:

Issue permit

PROJECT PROPOSALS

SIDELOPES. ACCORDING TO THE PLANS, THE SOIL WILL BE PLACED AROUND THE EDGES OF THE EXCAVATION TO AN ELEVATION OF APPROXIMATELY 851'. THIS MATERIAL REDISTRIBUTION IS TO BE USED TO IMPROVE A WALKING TRAIL. THE EXCAVATION IS TO IMPROVE THE WETLAND FOR WILDLIFE AND TO DESTROY PURPLE LOOSESTRIFE. WETLAND 29-665P HAS NO ESTABLISHED OHW AND IS LISTED AS BEING 41 ACRES IN SIZE.

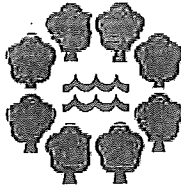
DISCUSSION

This project went through the EOW process in 1990 & wildlife asked that modifications be made at that time, when we received this permit apply in March 1991, the wildlife changes had not been made. In the interim, Jeff Lee got involved with the project (Jeff got more of an ecological background).

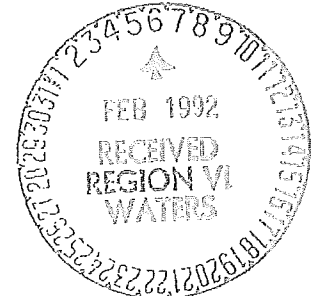
Dave Olfelt, Kate Drayton & I met with Jeff Lee & Mary Larman (horticulture coordinator) on 11/25/91. We went over changes in the spoil location & cross-sections for the excavation.

The suggested changes have been made. The overall intent of the project is for wildlife wet & they are now incorporating the design suggested by DMF wildlife. (The WSD is still working on floodplain filling concerns).

Ceil



MINNEAPOLIS
PARK & RECREATION BOARD



February 4, 1992

Minnehaha Creek Watershed District
Attn: Ronald Quanbeck
P.O. Box 387
Wayzata, MN 55391

Mr. Quanbeck:

Please find enclosed the materials requested in your letter on January 20, 1992, for permit application #91-141 (alteration of a wetland in Roberts Bird Sanctuary). Enclosed are the following materials requested for approval of the pending application:

- 1) Plan sheets 1.1A, and 2; Harriet Lake Spawning Area - Minnesota Conservation Department File F-363.

Plan Sheet #1 - Topographic map

Plan Sheet #1A - Proposed excavation and spoil disposal sites

Plan Sheet #2 - Details of control structure (with repair notes for the stoplogs).

- 2) Attachment A and corresponding cross sections of dredge areas and spoil areas.

- 3) Attachment B - culvert cross sections

- 4) POND51Z worksheet for existing wetland pond (constructed in 1987).

President:
Scott Neiman

Vice President:
Naomi Loper

All calculations for the project are based upon the following elevations:

Commissioners:

- Patricia D. Baker - Lake Harriet 100 year flood - 848.9 MSL (138.6 City datum)
- Tom Baker
- Walter Bratt - Normal wetland pool (Lake Harriet surface) - 846.8 MSL
- Dale W. "Skip" Gillie - 136.5 City datum
- Patricia Hillmeyer
- Kathryn F. Thurber
- Annie Young

Superintendent:
David L. Fisher

OPERATIONS CENTER
3800 Bryant Avenue South
Minneapolis, MN 55409-1029

Forestry Section (612) 348-4448
Maintenance Section (612) 348-4448
Park Police (612) 348-2183
FAX (612) 348-9354

1989 National
Gold Medal Award
Winner

Ronald Quanbeck
February 4, 1992
Page 2

The wetland elevation can fluctuate between 849.8 and 846.3 MSL (139.5 and 136.0 City datum) due the configuration of the wetland control structure. The Minneapolis Park and Recreation Board tries to maintain the wetland at or near 847.3 MSL (137.0 City datum) in the spring of the year to allow for maximum wildlife nesting/feeding cover for migratory waterfowl. The wetland elevation decreases during the summer months due to rapid outflow through ground water.

The volume calculations for the dredging and spoil deposition (see enclosed cross sections) indicate that 8360 cubic yards of material will be removed from the pond areas. The cross sections, based upon wetland topography indicate that all of the removed spoil will be placed above the 100 year flood elevation for Lake Harriet - 848.9 MSL (138.6 City datum). The cross sections for the spoil site indicate the elevation of the sites immediately following excavation. The excavation and disposal will result in no net decrease in the flood storage capacity of the wetland.

The sill elevation for the wetland outlet structure is 846.3 MSL (136.0 City datum). The outlet for the marsh is through a 18" pipe to Lake Harriet having an invert of 841.55 MSL (131.25 City datum). The wetland outflow capacity is dependant upon the elevation of Lake Harriet, but based upon Harriet being at normal elevation and the wetland being at the 100 year flood elevation and all stoplogs removed (maximum outflow conditions); maximum outflow capacity for the wetland under these conditions would be 6 cfs.

Conversations with Steven Swan, US Bureau of Mines; Dr. Rouse Farnham, University of Minnesota; and MPRB experience from the previous pond excavation on this site, indicate that the peat soils to be excavated are 15-20% solids. Based upon this information and observations on site, we have found that the spoil area volume decreases by 50-60% within two years of excavation.

The spoil area to the south of the ponds will incorporate a water level equalization culvert. The pipe invert will be set at 846.3 MSL (136.0 City datum). This corresponds to the sill elevation of the wetland control structure and the lowest water surface elevation with regard to Lake Harriet. This spoil location will be used for the burial of existing overhead power lines and underground cathodic protection system wiring presently in place in the marsh.

Ronald Quanbeck
February 4, 1992
Page 3

The spoil sites will be planted with jewelweed following completion of the excavation (spring 1992). Jewelweed is an early growing plant that provides for dense surface cover. Past experience in Roberts Bird Sanctuary has shown that jewelweed displaces purple loosestrife and allows native vegetation to colonize the disturbed areas. One of the goals of this project is improvement of wildlife habitat through the elimination of purple loosestrife from the wetland.

Erosion control measures for this project include:

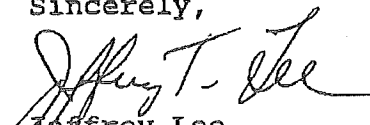
- 1) Excavation and placing of spoil during the winter months to limit soil erosion.
- 2) Retention of sediment in the existing and proposed wetland ponds to prevent sediment movement to Lake Harriet.
- 3) Seeding the spoil site with Jewelweed for ground cover and to prevent the regrowth of purple loosestrife.

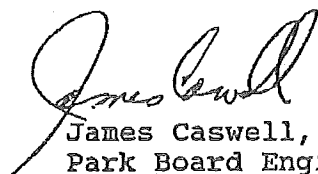
The existing pond in the sanctuary will effectively retain any sediments that might move from the construction site to Lake Harriet. The existing pond exceeds NURP guidelines for detention ponds (attached PONDSIZ worksheet) and will effectively prevent the movement of sediment to Lake Harriet.

The Minneapolis Park and Recreation Board will be requesting a water appropriation permit for the pumping of water from Lake Harriet into Roberts Bird Sanctuary through the existing control structure. Water will be appropriated, as needed during dry periods, to maintain water in the wetland during waterfowl nesting in the spring of the year.

We trust the above information and attached sheets are satisfactory and provide the information needed for approval of the permit. We will be contacting you on or about February 10 to check on the status of the application. If you have further questions please contact Jeff Lee at 348-4448.

Sincerely,

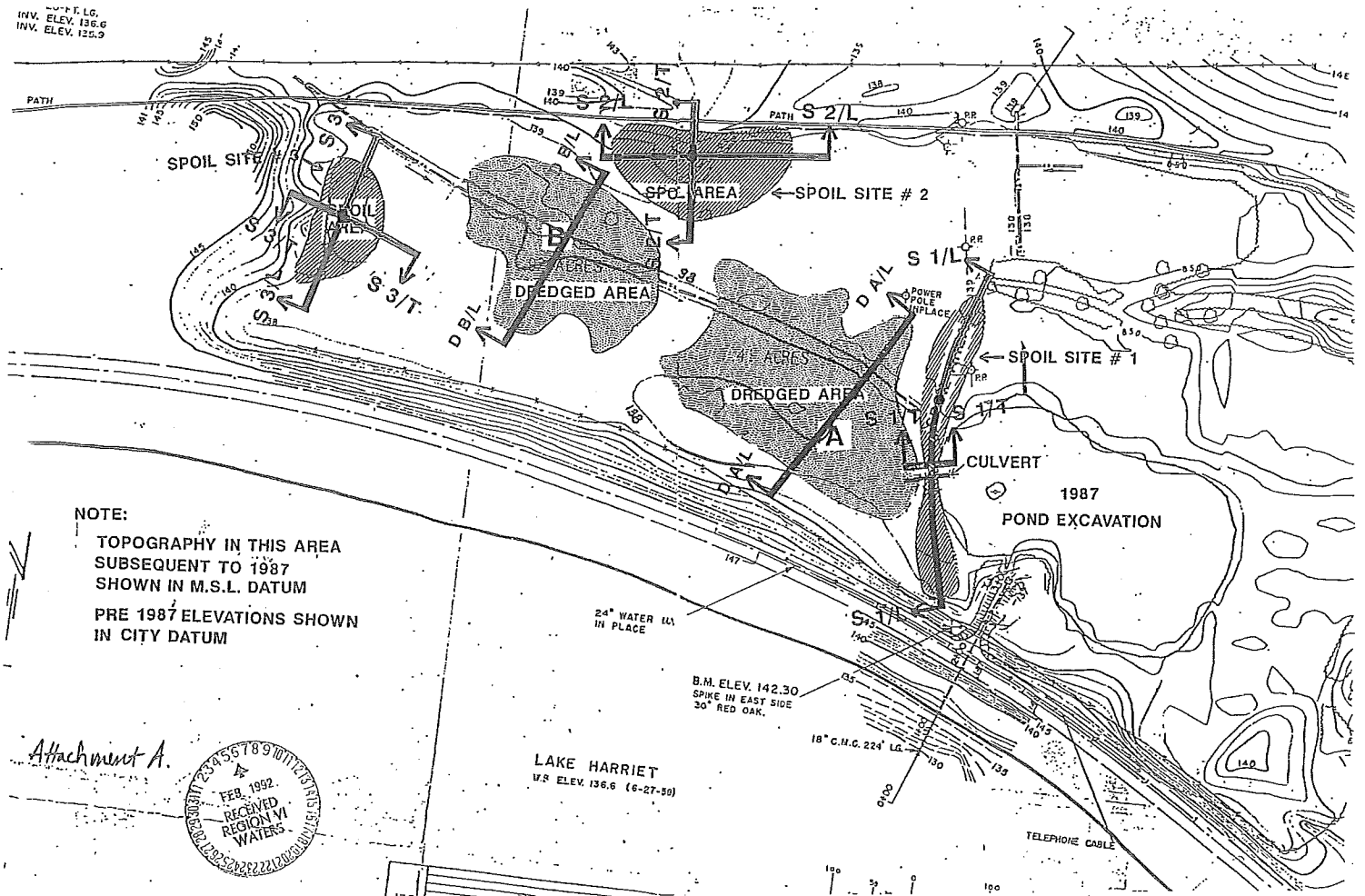

Jeffrey Lee
Environmental Programs


James Caswell, P.E.
Park Board Engineering

Enc:

cc: Ceil Straus, DNR - Division of Waters

UPPER T.L.G.
INV. ELEV. 136.6
INV. ELEV. 125.9

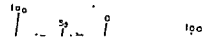


NOTE:
TOPOGRAPHY IN THIS AREA
SUBSEQUENT TO 1987
SHOWN IN M.S.L. DATUM
PRE 1987 ELEVATIONS SHOWN
IN CITY DATUM

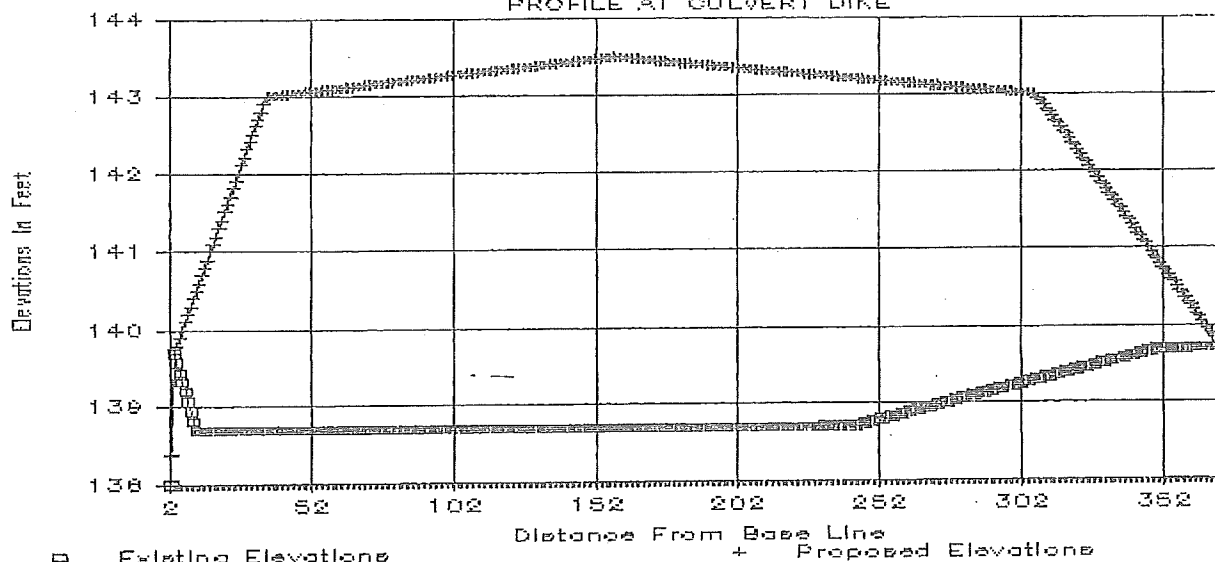
Attachment A.



LAKE HARRIET
V.R. ELEV. 136.6 (6-27-99)

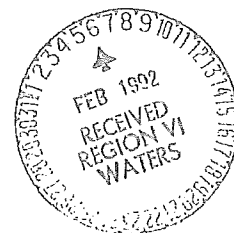


Cross Sections PROFILE AT CULVERT DIKE



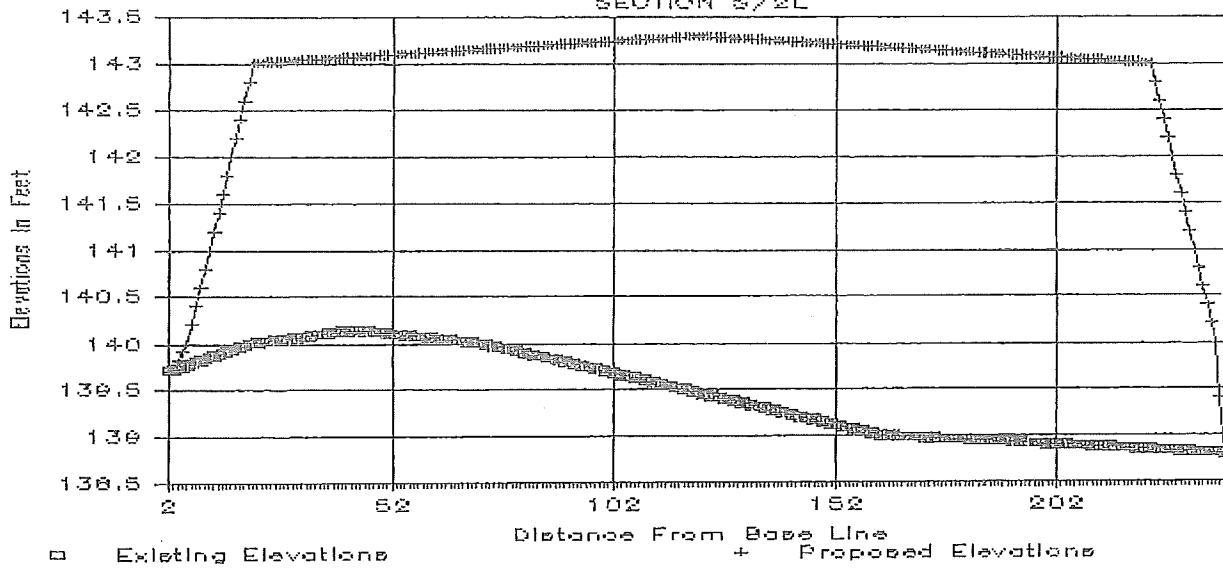
D Existing Elevations

+ Proposed Elevations



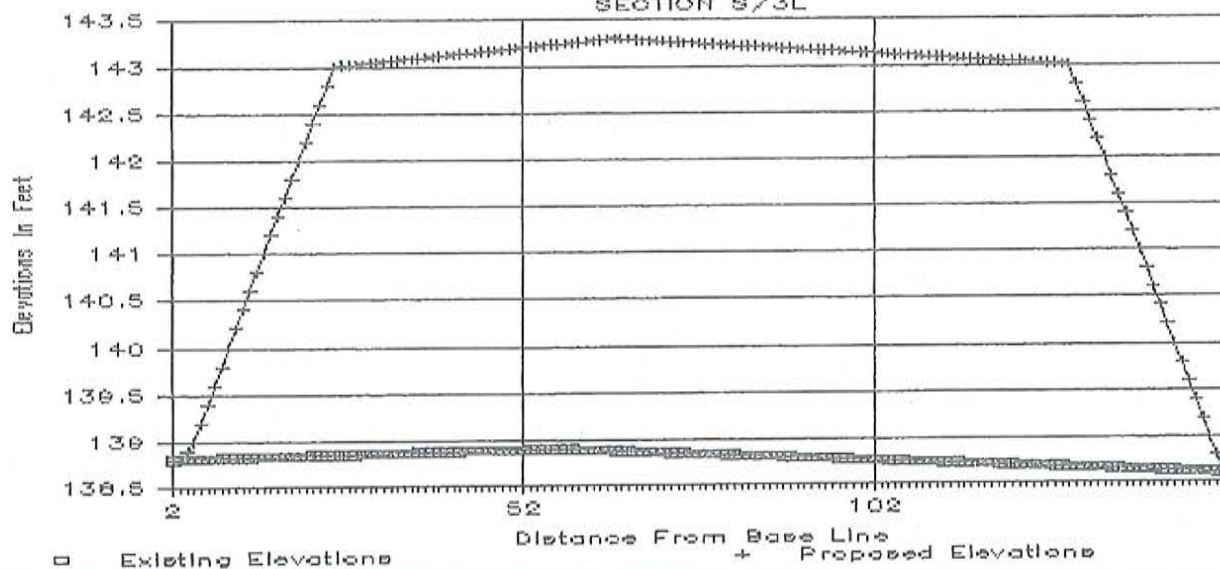
Cross Sections

SECTION 8/2L



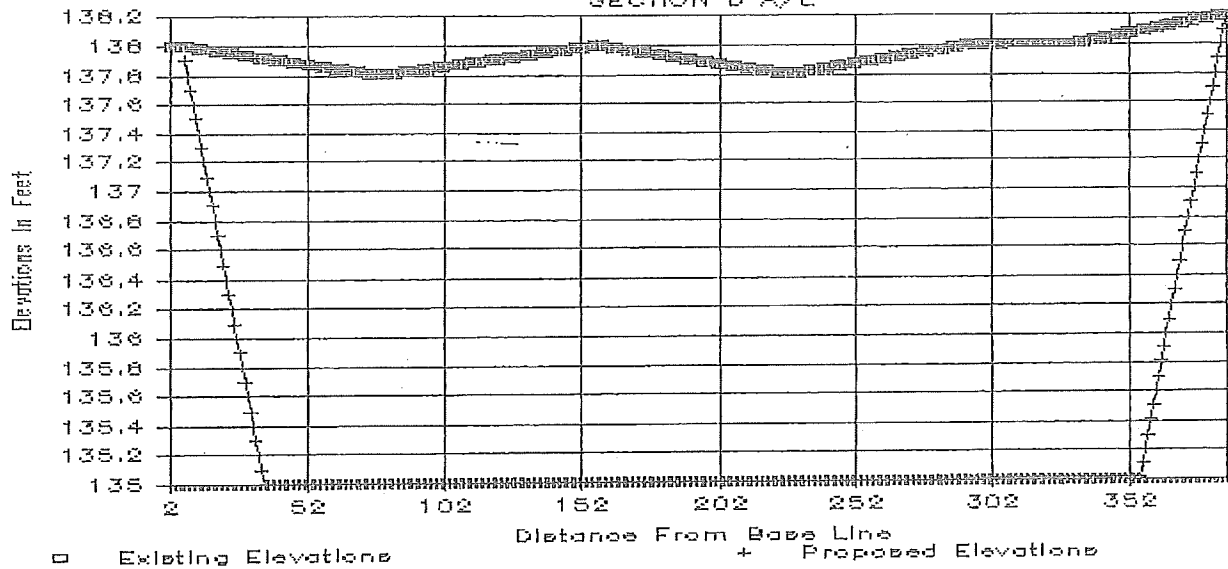
Cross Sections

SECTION 9/3L

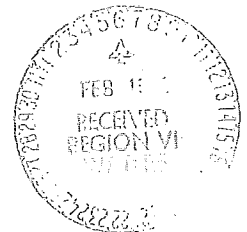
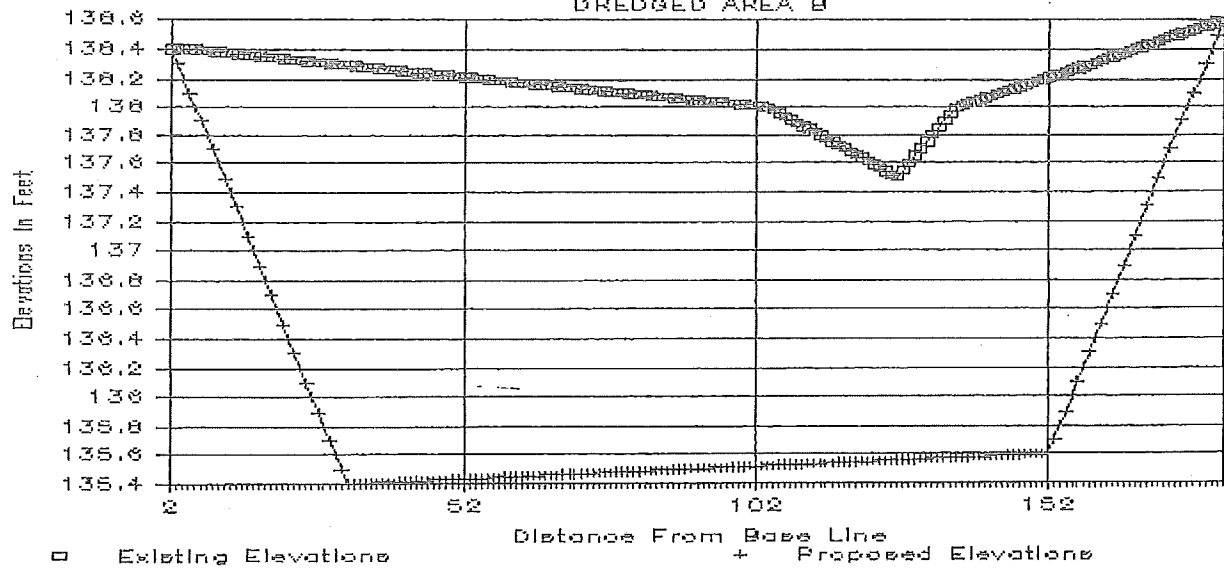


Cross Sections

SECTION D A/L

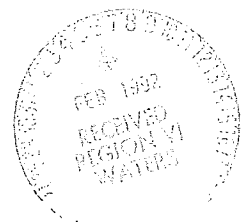
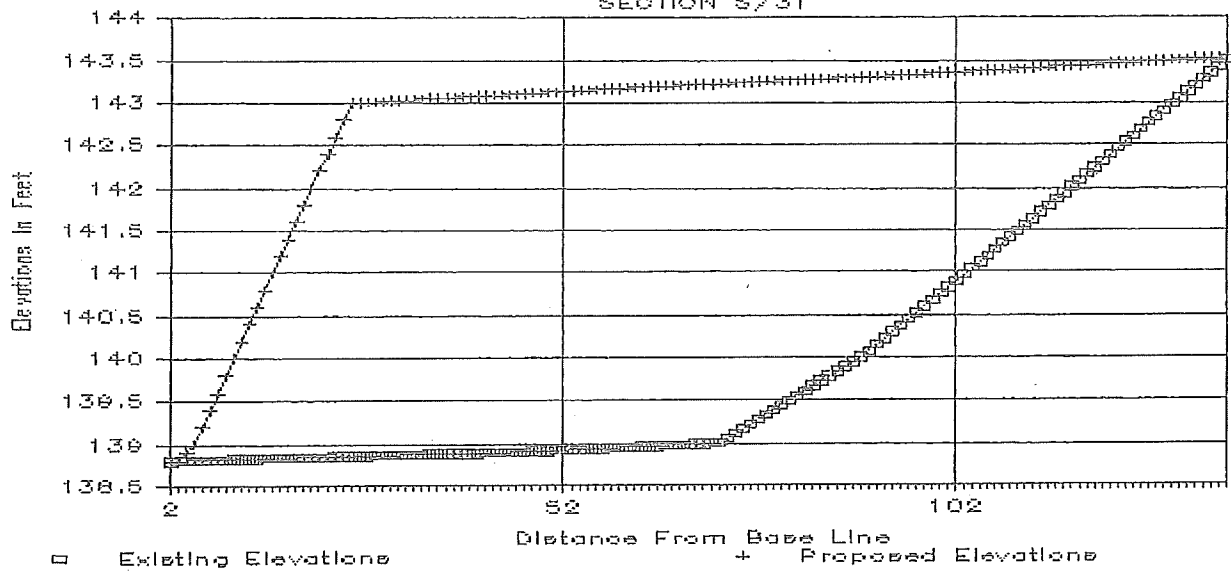


Cross Sections DREDGED AREA B

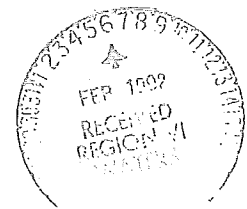
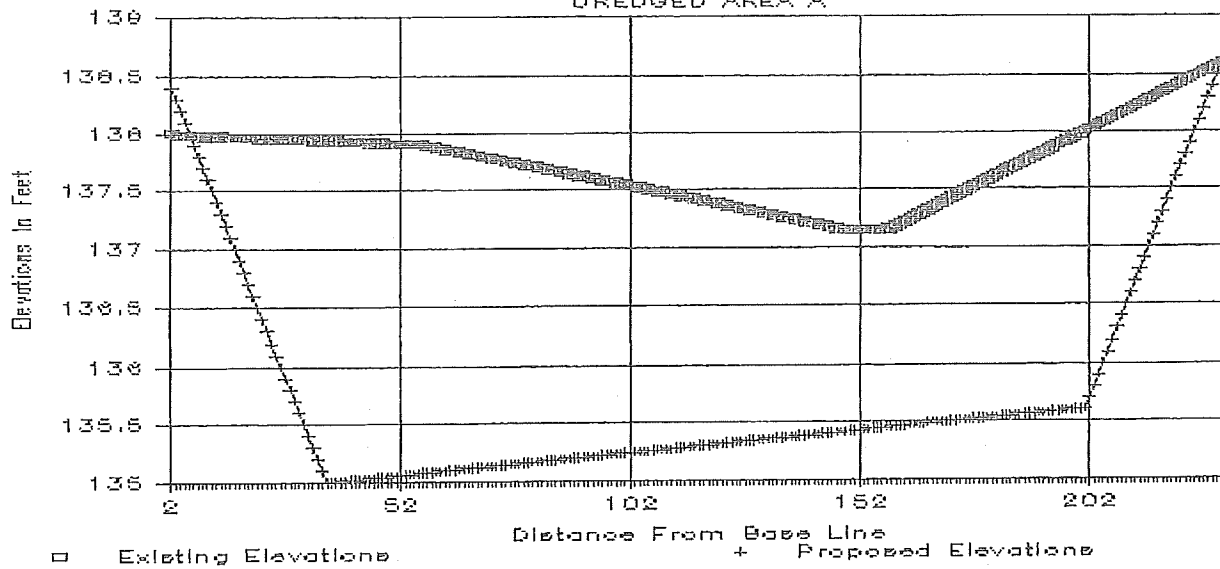


Cross Sections

SECTION 8/3T

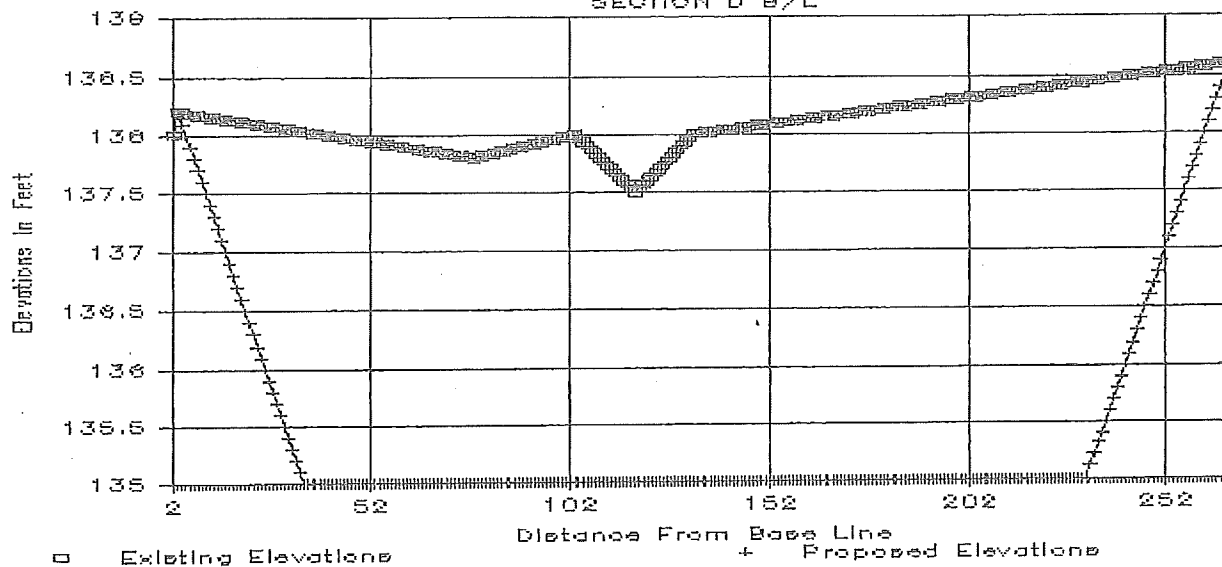


Cross Sections DREDGED AREA A



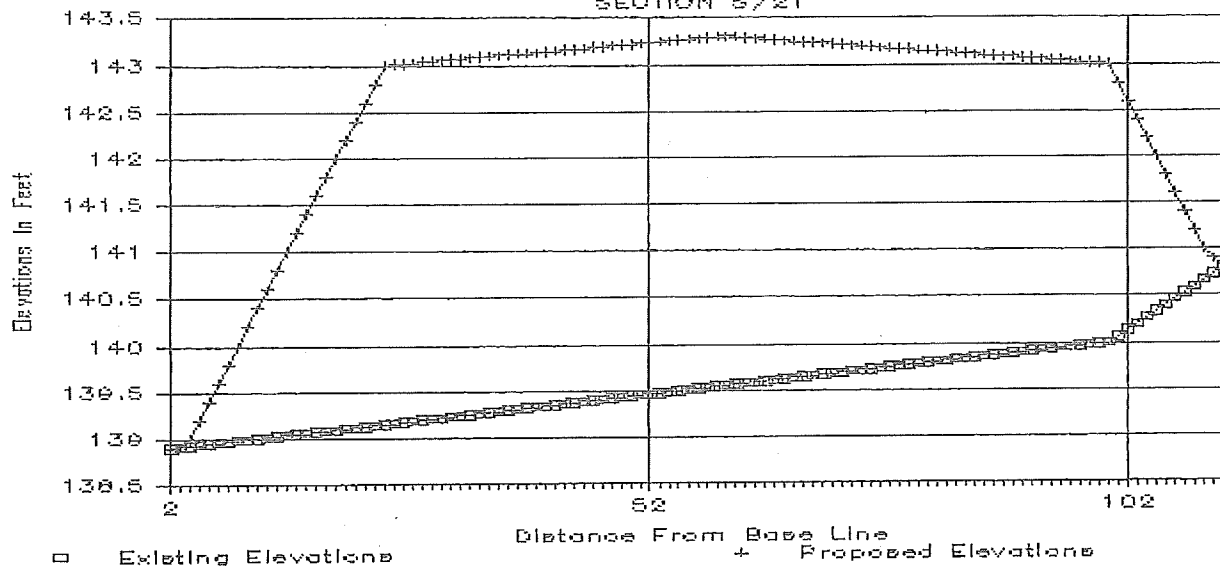
Cross Sections

SECTION D B/L

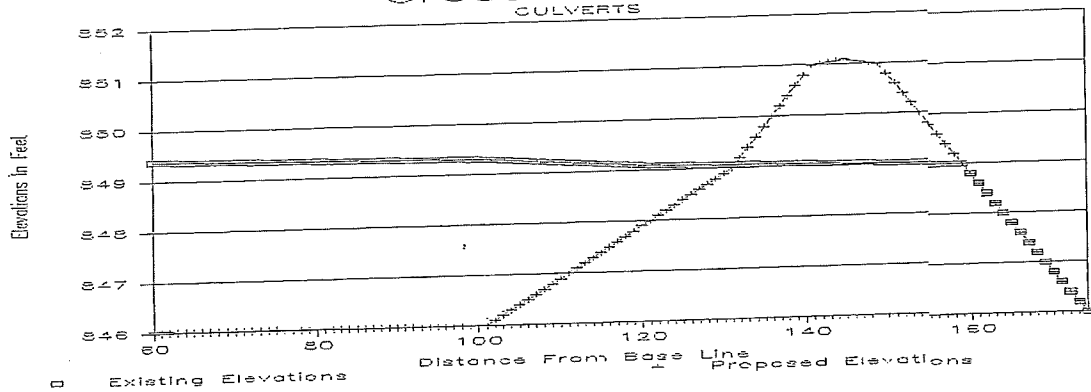


Cross Sections

SECTION 6/2T



Cross Sections CULVERTS



ATTACHMENT B.

PONDSIZ - Version 2.1 - W. Walker MACROS: 'ALT-G' FOR GRAPHS
 INPUT VARIABLE UNITS VALUES NOTES 'ALT-A' FOR AUTO-SIZE

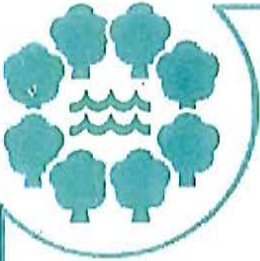
case title -----> Roberts Bird Sanctuary - existing pond
 watershed area acres 17
 pervious curve number - 30 from SCS tables, for AMC=2
 impervious fraction - 0.1
 design storm inches 2.5 VLAWMO criterion = 2.5 inches
 antecedent moisture cond. 2 (1,2,or 3), VLAWMO criterion = 2
 pond maximum depth feet 3 <= 10 ft
 bench width bc feet 50 >= 10 ft
 bench slope bc ft/ft 10 >= 10 ft horiz / ft vertical
 side slope ab ft/ft 10 >= 3 ft horiz / ft vertical
 pond shape factor 3 1=triangle,2=rectangle,3=ellipse
 length/width ratio - 3 >= 3
 top length c feet 400.00 adjust to achieve target volume

OUTPUT VARIABLE UNITS VALUE
 target volume acre-ft 0.35 = design storm runoff volume
Existing design volume acre-ft 1.78 should be >= target volume
 design mean depth feet 1.85 VLAWMO criterion >= 4 feet
 design surface area acres 0.96 pond / watershed area = 5.7%
 design storm runoff inches 0.25 runoff coefficient = 10.0%
 maximum retention inches 23.33 for pervious portion of watershe

CONTOUR DIMENSIONS Case = Roberts Bird Sanctuary - existing pond
 Design Geometry = ELLIPSE

contour	UNITS	TOP	BENCH	BOTTOM	TOTAL
		C	B	A	
elevation	feet	0.0	-5.0	-3.0	
depth	feet	0.0	5.0	3.0	3.0
maximum length	feet	400.0	100.0	220.0	400.0
maximum width	feet	133.3	33.3	73.3	133.3
surface area	feet^2	41888	2618	12671	41888
surface area	acres	0.96	0.06	0.29	0.96
increm. volume	feet^3		91630	-14032	77597
increm. volume	yd^3		3394	-520	2874
increm. volume	ac-ft		2.10	-0.32	1.78
centroid offset	ft	0.0	100.0	60.0	
outflow slope leng.	ft		50.0	-20.0	
inflow slope length	ft		250.0	-100.0	
outflow slope bc	ft-h/ft-v		10.0	10.0	
inflow slope ab	ft-h/ft-v		50.0	50.0	





Minneapolis Park & Recreation Board

DATE: January 16, 1992
TO: Ceil Strauss, DNR - Division of Waters
FROM: Jeff Lee, Environmental Programs
RE: Roberts Bird Sanctuary permit application #916164

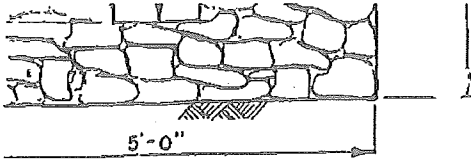


As per our phone conversation last week regarding the Robert's Bird Sanctuary wetland excavation I have attached the items you requested.

The cross section for the fill is attached. The culvert (18" dia.) will be set with an invert of 136 (846.3 MSL). This is the elevation of the bottom of the existing and proposed ponds, as well as the elevation of the pumphouse sill. The culvert will act as to equalize water elevations within the march complex.

I have also located topographic survey drawings for the wetland. The drawings were done in conjunction with the spawning marsh structure in 1959. These may still be on file at the DNR.

If you have other questions please contact me at 348-4448.



INSTALLATION OF POWER POLE

SCALE $\frac{1}{2}'' = 1'$

INSTALLATION IN SWAMP
TO BE DONE BY OTHERS

NOTE

VERIFY ALL DIMENSIONS AND LOCATIONS ON THE JOB. REPORT ALL DISCREPANCIES TO THE BUREAU OF ENGINEERING.

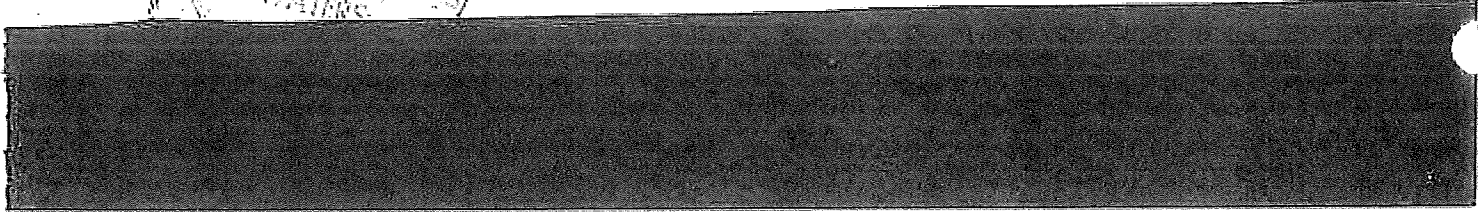
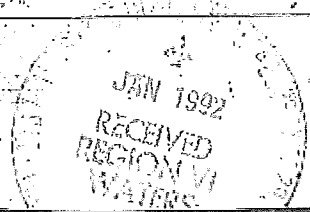
DO NOT SCALE DRAWINGS

IMPORTANT NOTE

ALL NECESSARY EASEMENTS, PERMITS AND RIGHTS OF WAY FOR THE PROJECT SHALL BE SECURED BY THE OWNER OR SPONSOR BEFORE CONSTRUCTION WORK IS COMMENCED UNLESS OTHERWISE SPECIFIED.

145
140
135
130
125
120
115
110

APPROVED		MINNESOTA CONSERVATION DEPARTMENT			
SPONSOR SECTION OF FISHERIES					
<i>[Signature]</i> SUPERVISOR		TOPOGRAPHIC MAP			
ASSISTANT DIRECTOR DIVISION OF WATERS					
<i>[Signature]</i> DIRECTOR		HENNEPIN CO. - AT MINNEAPOLIS			
COMMISSIONER OF CONSERVATION					
BY <i>[Signature]</i> DEPUTY COMMISSIONER		DRAWN K.R.F. 1-23-59	BUREAU OF ENGINEERING		SURVEY 11-26-58 A.G.C. 6-58 D.D.D.
DATE <i>[Signature]</i>		CHECKED J. K.			DATUM PARK
		REVISED J.D. 4-8-59	DATE <i>[Signature]</i> 2-5-59	ENGR. SUPV.	
		REQ. <i>[Signature]</i> 2-5-59	SHEET	FILE	
			59-63	1 OF 2	F-363





Minneapolis Park & Recreation Board

December 17, 1991

3800 Bryant Avenue South
Minneapolis MN 55409

Ceil Strauss
DNR - Division of Waters
1200 Warner Road
St. Paul MN 55106



Ms. Straus:

Please find enclosed a copy of the letter and materials sent to the watershed district concerning the Roberts Bird Sanctuary Project. We hope to start excavation on the site in February. The contractor will be doing a limited amount of snow removal around the end of December to allow the soils to freeze on the site.

Thank you for your time and help in this matter. If you have further questions please contact me at 348-4448.

Sincerely,

Jeffrey T. Lee
Environmental Programs Manager

Box 32

DEPARTMENT OF NATURAL RESOURCES
OFFICE OF PLANNING

STATE OF MINNESOTA
Office Memorandum

Date: November 21, 1991

To: Karen Bowen
Steve Colvin
~~Tom Lutgen~~ *Ceil Strauss*

NOV 21 1991

DIVISION OF WATERS

From: Rebecca Wooden *Becky*

Phone: 297-3355

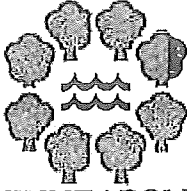
Re: Roberts Bird Sanctuary (EAW)
Record of Decision

Attached for your information is a copy of the Minneapolis Park and Recreation Board's record of decision on the need for an EIS on the above-named project (a year and a half later). They have determined that no EIS will be prepared. This concludes environmental review for the project, which may proceed to permitting. No further comments are required at this time. Thank you for your help in reviewing the project. Please contact me if you have questions.

Attachment



#900137-01
RODDIST.DOC



MINNEAPOLIS
PARK & RECREATION BOARD



November 18, 1991

MN Department of Natural Resources
Rebecca Wooden
Office of Planting
500 Lafayette Rd, Box 10
St. Paul MN 55155

To Whom It Concerns:

Please find enclosed Minneapolis Park and Recreation Board Resolution #91-136 -- Negative Declaration of Need for an EIS for the Roberts Bird Sanctuary Restoration Project,

Sincerely,

Jeffrey T. Lee
Manager, Environmental Programs

JTL:ker
Enclosure (MPRB Resolution #91-136)

President:
Scott Neiman

Vice President:
Naomi Luper

Commissioners:
Patricia D. Baker
Tom Baker
Walter Bratt
Dale W. "Skip" Gilbert
Patricia Hillmeyer
Kathryn F. Thurber
Annie Young

Superintendent:
David L. Fisher

OPERATIONS CENTER
3800 Bryant Avenue South
Minneapolis, MN 55409-1029

Forestry Section (612) 348-4448
Maintenance Section (612) 348-4448
Park Police (612) 348-2183
FAX (612) 348-9354

1989 National
Gold Medal Award
Winner

RESOLUTION NO. 91-136

NEGATIVE DECLARATION OF NEED FOR AN
ENVIRONMENTAL IMPACT STATEMENT BASED UPON
COMMENTS AND FINDINGS OF FACT WITH REGARD TO THE
ENVIRONMENTAL ASSESSMENT WORKSHEET FOR THE
ROBERTS BIRD SANCTUARY RESTORATION PROJECT

WHEREAS, the Minneapolis Park and Recreation Board has submitted an Environmental Assessment Worksheet for the Roberts Bird Sanctuary Restoration Project to the Minnesota Environmental Quality Board on January 29, 1991; and

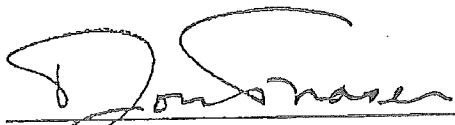
WHEREAS, the Minneapolis Park and Recreation Board has received and addressed comments as to the completeness and accuracy of the Environmental Assessment Worksheet; and

WHEREAS, the Minneapolis Park and Recreation Board is the responsible governmental unit for the Roberts Bird Sanctuary Restoration Project;

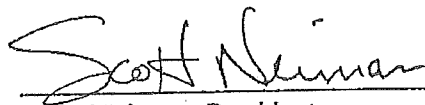
NOW, THEREFORE, BE IT RESOLVED THAT THE PARK AND RECREATION BOARD OF THE CITY OF MINNEAPOLIS finds no need for an Environmental Impact Statement for the Roberts Bird Sanctuary Restoration Project.

Adopted by the Park and Recreation Board
in formal meeting assembled on November 6, 1991.

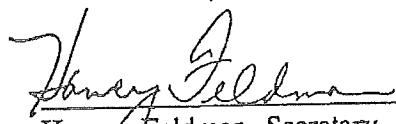
Approved:



Donald M. Fraser, Mayor



Scott Neiman, President



Harvey Feldman, Secretary



STATE OF
MINNESOTA
DEPARTMENT OF NATURAL RESOURCES



APR 23 1991

DNR INFORMATION (612) 296-6157 500 LAFAYETTE ROAD • ST. PAUL, MINNESOTA • 55155-4010

April 23, 1991

Jim Caswell, Engineer
Minneapolis Park and Recreation Board
310 4th Avenue South
Minneapolis, MN 55415

RE: Roberts Bird Sanctuary Restoration
Environmental Assessment Worksheet (EAW)



Dear Mr. Caswell:

In February, 1990, the City of Minneapolis issued an EAW for the above-name project. The Department of Natural Resources commented on the EAW by letter dated March 12, 1990.

Minnesota Rules 4410.1700, Subparts 4 and 5, require that the RGU maintain a record, including specific findings of fact, supporting its decision on the need for an EIS. The record must include specific responses to all substantive and timely comments on the EAW. The RGU's decision must be provided, to all persons on the EAW distribution list, to all persons that commented in writing during the 30-day review period, and to any person upon written request. All persons who submitted timely and substantive comments on the EAW shall be sent a copy of the RGU's response to those comments.

By letter dated July 2, 1990, we specifically requested that you send us a copy of your Record of Decision. On March 23, 1990, I spoke with you by phone; you indicated that the City would prepare a written decision and that we would be sent a copy. However, neither the Department nor the Environmental Quality Board ever received notice of your decision as to the need for an EIS for the project.

Please provide us with a copy of the Record of Decision at your earliest convenience, and contact me with any questions you might have, at (612)297-3355. Thank you.

Sincerely,

Rebecca A. Wooden

Rebecca A. Wooden, Environmental Planner
Natural Resources Planning and Review Section
Office of Planning

c: Karen Bowen
Steve Colvin
~~Tom Lutger~~ *Carl Strouss - FYI*
Gregg Downing, EQB

#900137-01

Office Memorandum

DEPARTMENT of Natural Resources
Division of Fish and Wildlife

TO: Ceil Strauss
Area Hydrologist

DATE: 15 April, 1991

FROM: Dave Olfelt *Dave*
Shakopee Wildlife Office



PHONE: 612-445-9393

SUBJECT: Permit Application 91-6164--Sanctuary Marsh

I have several comments on this application:

1. Loosestrife control should be discussed with Luke Skinner, DNR's Loosestrife Control Coordinator. I think a control plan should be developed before any permit is issued.
2. Side slope contours are too steep to benefit wildlife. If wildlife habitat enhancement is the goal, sideslopes should be a minimum of 10:1, preferably 15 or 20:1. Maximum depth of 3 feet is OK. Preferred method of excavation is by using a wide-track caterpillar in late summer or after frost has set in.
3. Spoil should not be deposited in a berm around the perimeter of the excavated basin. This would allow construction of new trails around the ponds, and the resulting disturbance would make the sanctuary less desirable for wildlife. In addition, berming the ponds would cause their water levels to fluctuate more than if stormwater is allowed to spread over the entire wetland area.

c Joan Galli, Nongame Wildlife

*cc: Pam Quankuck, MCWSD } 10/8/91
Jeff Lee, MPRB*

A-02670-01 (W-221)
ev. 7/77

STATE OF MINNESOTA
DEPARTMENT OF NATURAL RESOURCES



LOCAL UNIT OF GOVERNMENT COMMENT FORM

On _____, 19____, _____
(date) (applicant's name)

served a copy of his/her water resources permit application to: appropriate water, work in the bed of public water, on the Hennepin Conservation District
(name of Soil & Water Conservation District, Watershed District, or City)

I, Leon M. Zeug, am the District Engineer of the above named unit of
(name of official) (official's title)

government and the following comments are submitted for consideration by the Department of Natural Resources.

91-6164 Mpls. Park & Recreation Board. No concern.

91-6167 Argus Development Inc. Will the stream flows affect the riprap in anyway?

Additional space on reverse.
Attach additional sheets if necessary.
Return comments to appropriate regional
DNR office.

Under Minnesota Statutes 1977, Section 105.44, Subdivision 2
allows 30 days for response from cities, watershed districts, and
soil and water conservation districts, the Department of Natural
Resources would appreciate a response within 15 days if at all
possible.

Dated March 27, 1991

Signature Leon M. Zeug

Title District Engineer

Address 12450 Wayzata Blvd., #205

City Minnetonka zip 55343

Phone Number 544-8572



MINNEHAHA CREEK WATERSHED DISTRICT

P.O. Box 387, Wayzata, Minnesota 55391

BOARD OF MANAGERS: James R. Spensley, Pres. • John E. Thomas • Richard H. Miller
Robert D. Erickson • C. Woodrow Love • Clarkson Lindley • Thomas Maple, Jr.



March 27, 1991

Ms. Ceil Strauss
Metro Region Waters
MDNR
1200 Warner Road
St. Paul, MN 55106

Re: Alteration of DNR Protected Wetland 27-665P

Dear Ms. Strauss:

We have received the information you forwarded concerning alteration of DNR Protected Wetland 27-665P as proposed by the Minneapolis Park and Recreation Board. The project requires permit review and approval by the Board of Managers of the Minnehaha Creek Watershed District. Some of the District's concerns for a project of this type include that:

1. The placement of fill not cause a net decrease in flood storage capacity below the projected 100-year frequency flood elevation.
2. Spoil material be disposed of at a location above the regional flood elevation.
3. The proposed project represents the "minimal impact" solution to a specific need with respect to all of the reasonable alternatives.
4. Appropriate erosion control methods are in place to prevent the transport of sediments off site during and after construction.
5. Prompt restoration of the disturbed area be completed with seed and mulch or sod.

Thank you for the opportunity to comment. If you have any questions, please feel free to contact me at 473-4224.

Sincerely,

JAMES M. MONTGOMERY,
CONSULTING ENGINEERS, INC.
Engineers for the District

Ronald S. Quanbeck

Ronald S. Quanbeck, P.E.

bt

cc: Board File
James Caswell, Minneapolis Park and Rec. Bd.





STATE OF
MINNESOTA
 DEPARTMENT OF NATURAL RESOURCES

PHONE NO.

METRO REGION WATERS - 1200 WARNER ROAD, ST. PAUL, MN 55106 FILE NO

~~213-772-7910~~ 772-7910

DNR PROTECTED WATERS PERMIT APPLICATION NUMBER 91-6164
 REQUEST FOR REVIEW AND COMMENTS

DATE: 3/11/91

TO: USCOE - J. Yanta
 Henn CD - L. Zeug
 M CWSO - R. Quarnbeck

DNR wild life - J. Parker
 DNR fisheries - D. Zappella

FROM: CEIL STRAUSS, AREA HYDROLOGIST

WATERS AFFECTED: ~~#~~ Sanctuary Marsh (27-665P)

PROJECT SPONSOR: Minneapolis Park + Recreation Board

NATURE OF WORK:

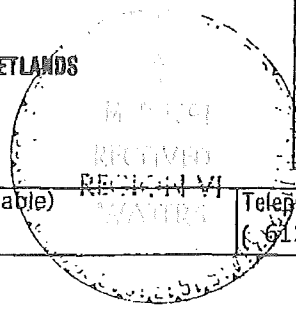
Excavate 2.2 acres in Roberts Bird Sanctuary
 to depth of 3' to enhance habitat
 for wild life

Note: An EAW was completed for this project
 & went through the review process during
 Feb/March 1990. (I kept a copy if anyone
 needs to review it)

COMMENTS DUE BY: 30 days from receipt



PERMIT APPLICATION
TO WORK IN PROTECTED WATERS OR WETLANDS
(INCLUDING DAM SAFETY)



OFFICE USE ONLY.	
P.A. NO.	
91-6164	
<input type="checkbox"/> SWCD	<input type="checkbox"/> C/C
<input type="checkbox"/> W.D.	<input type="checkbox"/> USCOE

▶▶ Please read instructions before attempting to complete this application.

I. Applicant's Name (Last, First, M.I.) Minneapolis Park & Recreation Bd.	Authorized Agent (if applicable) James J. Caswell	Telephone Number & area code (612) 348-2220
Address (Street, RFD, Box Number, City, State, Zip Code) 310 4th Avenue South, Minneapolis, Minnesota 55415		

II. LOCATION OF PROPOSED PROJECT (BE SURE TO INCLUDE SKETCH SHOWING HOW TO GET TO THE SITE)					
Government Lot(s)	Quarter Section(s)	Section(s) No.	Township(s) No.	Range(s) No.	Lot, Block, Subdivision
	NW 1/4	9	28N	24W	
Fire No., Box No. or Project Address			County Hennepin	Project will affect <input type="checkbox"/> Lake, <input checked="" type="checkbox"/> Wetland or <input type="checkbox"/> Watercourse (name & number if known)	

III. TYPE OF WORK PROPOSED (CHECK ONE)	IV. TYPE OF PROJECT (CHECK ONE)
<input checked="" type="checkbox"/> excavate <input type="checkbox"/> fill <input type="checkbox"/> drain <input type="checkbox"/> construct <input type="checkbox"/> install <input type="checkbox"/> repair <input type="checkbox"/> remove <input type="checkbox"/> abandon <input type="checkbox"/> other (specify)	<input type="checkbox"/> shoreline <input type="checkbox"/> channel <input type="checkbox"/> sand blanket <input type="checkbox"/> riprap <input type="checkbox"/> shore-protection <input type="checkbox"/> harbor <input type="checkbox"/> permanent dock <input type="checkbox"/> wharf <input type="checkbox"/> obstruction <input type="checkbox"/> bridge <input type="checkbox"/> culvert <input type="checkbox"/> dam <input type="checkbox"/> other (specify)
	Wetland Restoration

V. ESTIMATED PROJECT COST \$ 20,000 30,000	VI. LENGTH OF SHORELINE AFFECTED (IN FEET): N/A
---	---

VII. VOLUME OF MATERIAL FILLED OR EXCAVATED (IN CUBIC YARDS): ~~7,500-cy~~ 11,450 C.Y.

VIII. BRIEF EXPLANATION OF PROJECT: (EXPLAIN WHAT PROJECT CONSISTS OF AND HOW WORK WILL BE DONE)
Excavate ~~2.28~~ acres of wetland to a depth of 3' by means of a dragline, depositing spoil around the perimeter as field determined to enhance habitat for waterfowl and shorebirds, maximizing destruction of loosestrife infestation.

IX. PURPOSE OF PROJECT: (Explain why this project is needed) Purpose is to restore filled-in wetland (intermittant marsh) to provide year-round habitat for waterfowl, shorebirds, aquatic animals and reduce abundance of purple loosestrife currently choking out beneficial vegetation.

X. ENVIRONMENTAL IMPACT (Anticipated changes to the water and related land resources, including unavoidable but detrimental effects)
Increased water depth will ensure aquatic animals a year-round environment more suitable to their needs. Redistribution of material will provide improved walking trails.

XI. ALTERNATIVES (Other alternatives to the action proposed)
None

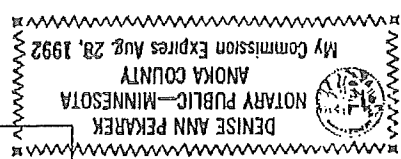
XII. I hereby make application pursuant to Minnesota Statutes Chapter 105 42 and all supporting rules for a permit to work in or affect the above named protected water(s) in accordance with all supporting maps, plans, and other information submitted with this application. The information submitted and statements made concerning this application are true and correct to the best of my knowledge

STATE OF Minnesota
COUNTY OF Crook
Subscribed and sworn to before me this

Signature of Owner or Authorized Agent <i>James J. Caswell P.E.</i>	Date Feb 26, 1991
Signature of Leasee	Date

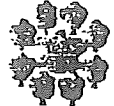
26th day of February 1991
My commission expires 8/28/92

Signature of Notary
Denise Ann Pekarek

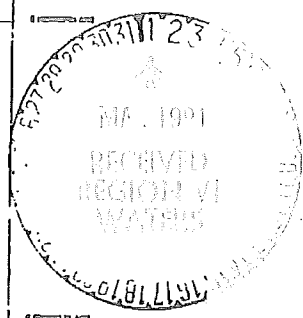
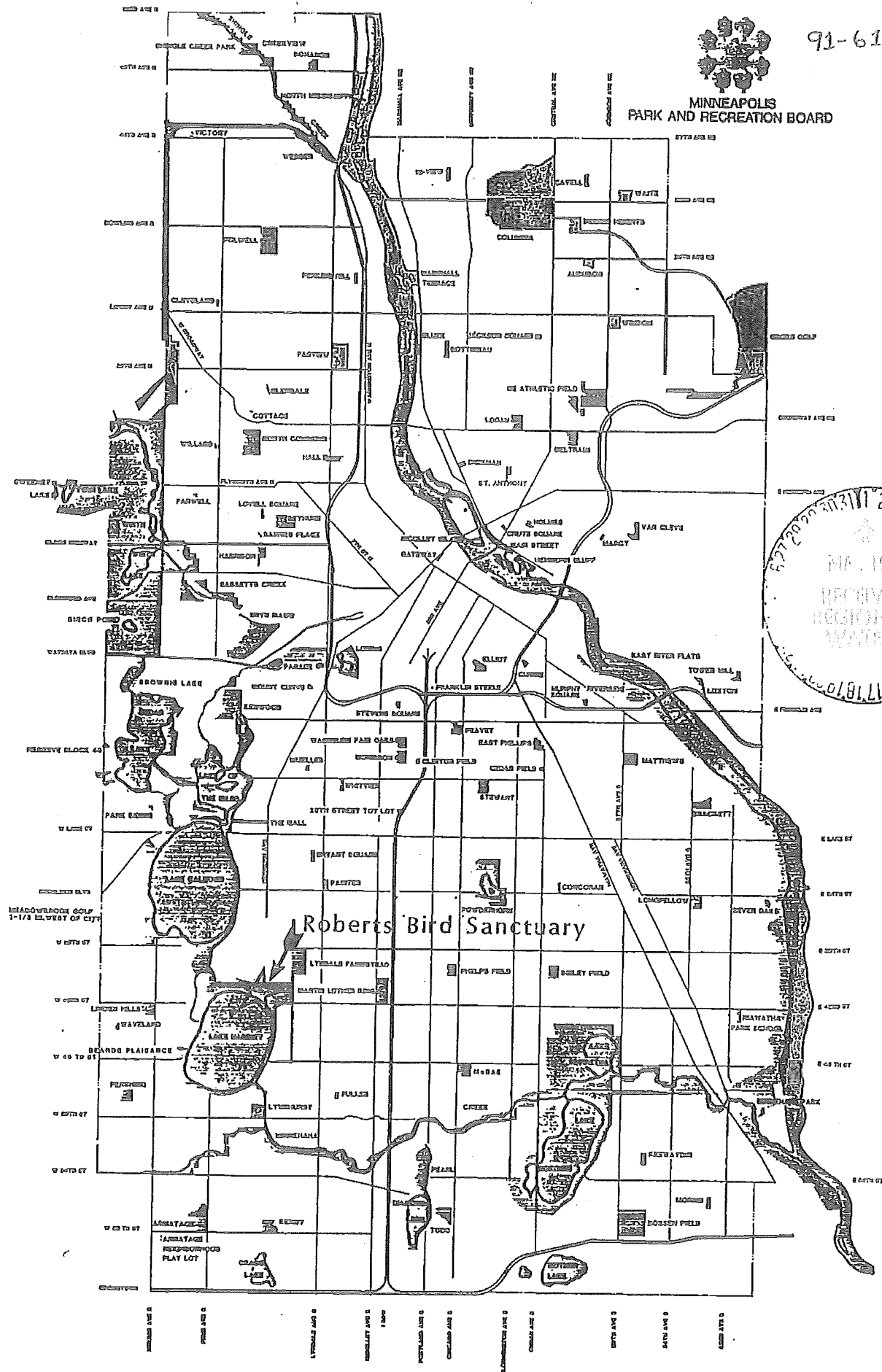


Distribution:
White: DNR
Blue: SWCD
Green: Watershed District
Goldenrod: City or County
Pink: Army Corps of Engineers
Canary: Applicant

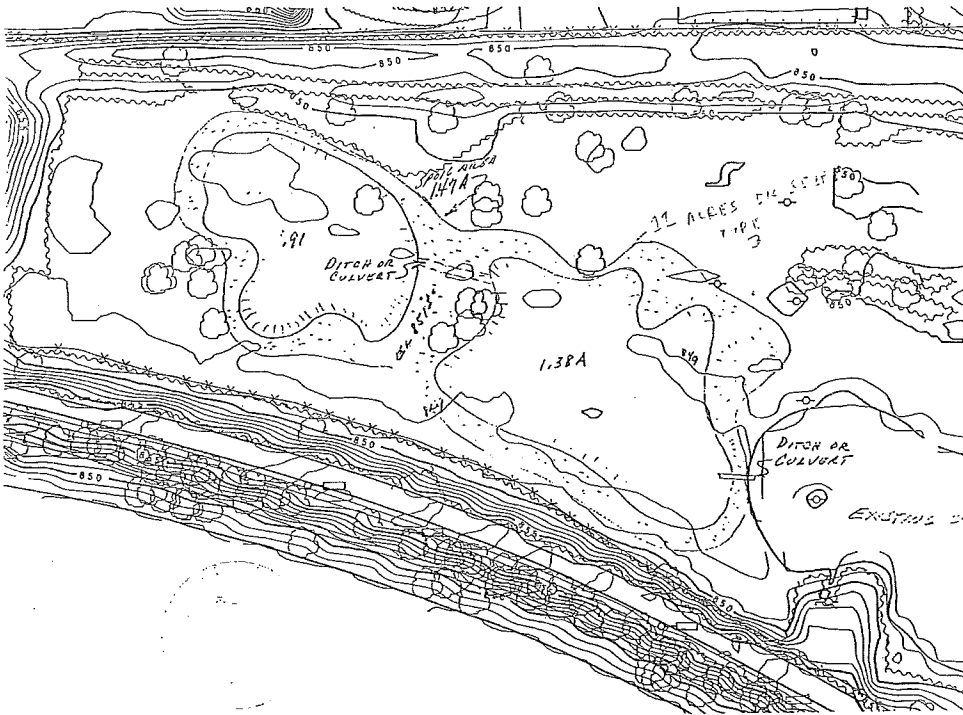
91-6164

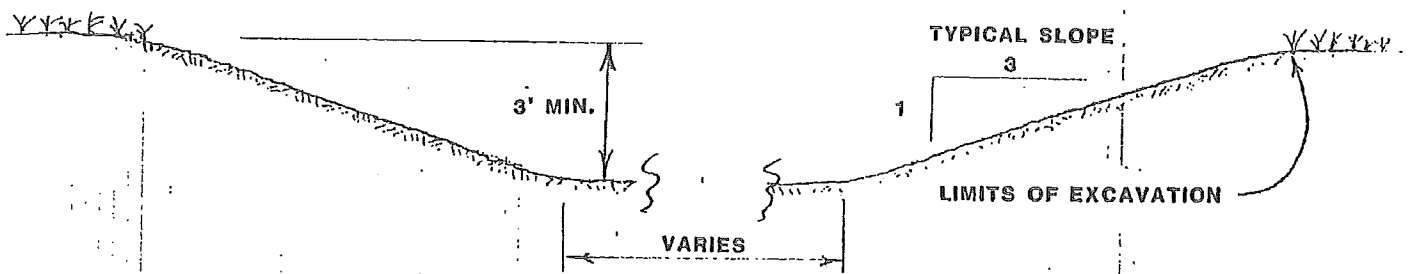


MINNEAPOLIS
PARK AND RECREATION BOARD



Roberts Bird Sanctuary





TYPICAL CROSS SECTION



91-6164

— NOTICE —
WATERS OF THE UNITED STATES

91-6164

You should be aware that projects which will involve drainage, excavation, fill or impoundment of wetlands or waters of the United States, even those wetlands outside of the jurisdiction of the DNR, may require an individual permit from the U.S. Army Corps of Engineers. Persons proposing such projects should contact the Regulatory Functions Branch, U.S. Army Corps of Engineers, 1135 U.S. Post Office and Custom House, St. Paul, Minnesota 55101 (telephone: 612 725-7557) for further information.

— ADDENDUM —
NOTICE TO APPLICANTS FOR DNR PERMIT TO CHANGE THE COURSE,
 CURRENT OR CROSS-SECTION OF PROTECTED WATERS

The Department of Natural Resources (DNR) and the Pollution Control Agency (PCA) are working together to avoid duplication in state agency permit review of proposed activities affecting protected waters in Minnesota. The attached form was prepared by the DNR and the PCA to minimize your work in contacting state agencies for project approval.

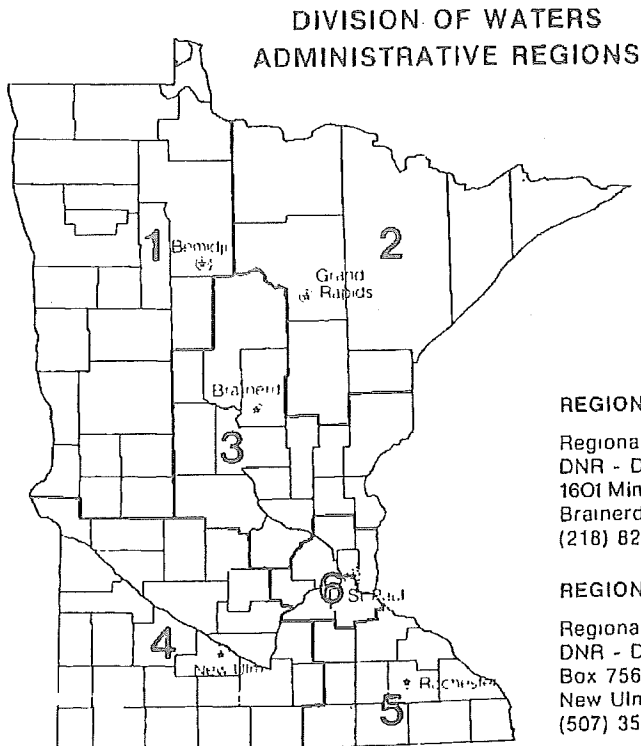
Please complete this form by placing an "X" in the appropriate box or boxes. If your project does not involve any of the actions listed on this form, place an "X" in the box after item 9.

If your project will involve any of the actions listed for boxes 1 through 8, a copy of your DNR permit application will be forwarded to the Pollution Control Agency (PCA) for their review. If a separate PCA permit or approval is required, you will be so notified by the PCA.

Place an "X" in the box, if applicable

- 1 The project will involve the deposition of asphalt, concrete, cut vegetation or other solid waste as fill material.
- 2 The project will involve excavation of materials from protected waters through the use of any device which removes materials by pumping or suction action (i.e. hydraulic dredging).
- 3 The project will involve excavation of more than 1,000 cubic yards of material from the beds of the following waters:
 - a. Lake Pepin on the Mississippi River (River miles 763 to 787 USCE Charts).
 - b. Pool #2 in the Mississippi River from Lock & Dam #1 (the Ford Dam) to Lock & Dam #2 (Hastings-River miles 725 to 814 USCE Charts).
 - c. Minnesota River from Savage to its mouth at the Mississippi River (Mile 844 USCE River chart).
 - d. Duluth Superior Harbor and the St. Louis Bay area of the St. Louis River extending to Spirit Lake.
 - e. The Fairmont chain of lakes including Budd, Siseton, Hall, and Amber Lakes in Martin County.
 - f. Albert Lea Lake, Freeborn County.
 - g. Warroad River Upper Harbor Area extending from the mouth of the Warroad River to CSAH No. 11.
 - h. Red River of the North from Wahpeton to the Canadian border.
- 4 The project will involve excavation and/or fill in protected waters for construction of utility lines carrying any materials except treated water in a liquid or semi-solid state, including but not limited to petroleum or petroleum products, chemicals, sewage or coal slurries.
- 5 The project will involve construction of docks, piers or wharves which will involve new fuel handling facilities.
- 6 The project will involve new construction, reconstruction or repair of structures for generation of hydroelectric power.
- 7 The project will involve construction of new ancillary facilities for sanitary sewers, boat pumpouts, on-site waste treatment or holding tanks.
- 8 The project will involve the on-site disposal by burning of vegetation to be removed during project construction.
- 9 The project will not involve any of the above.

Applicant name (type or print) James J. Caswell	Applicant signature <i>James J. Caswell P.E.</i>
Applicant address 310 4th Avenue South, Minneapolis, Minnesota 55415	



REGION 1

Regional Hydrologist
 DNR - Division of Waters
 2115 Birchmont Beach Road N.E.
 Bemidji, MN 56601
 (218) 755-3973

REGION 2

Regional Hydrologist
 DNR - Division of Waters
 1201 East Highway 2
 Grand Rapids, MN 55744
 (218) 327-4416

REGION 3

Regional Hydrologist
 DNR - Division of Waters
 1601 Minnesota Drive
 Brainerd, MN 56401
 (218) 828-2605

REGION 4

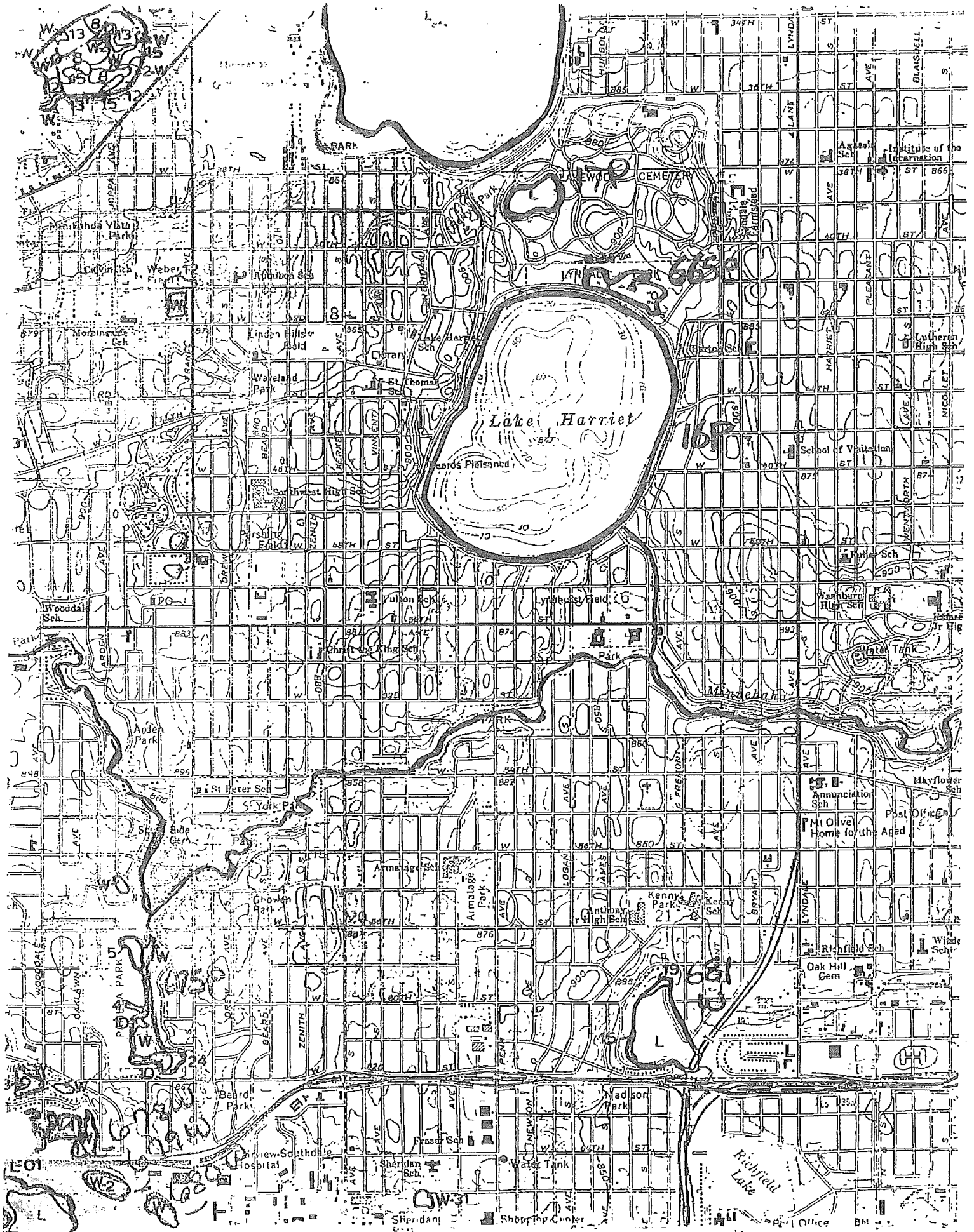
Regional Hydrologist
 DNR - Division of Waters
 Box 756, Highway 15 South
 New Ulm, MN 56073
 (507) 354-2196

REGION 5

Regional Hydrologist
 DNR - Division of Waters
 P.O. Box 6247
 Rochester, MN 55903
 (507) 285-7430

REGION 6

Regional Hydrologist
 DNR - Division of Waters
 1200 Warner Road
 St. Paul, MN 55106
 (612) 296-7523





STATE OF
MINNESOTA

DEPARTMENT OF NATURAL RESOURCES

FYI D. Miller 27-665P
CS Box 32
91-6164



DNR INFORMATION 500 LAFAYETTE ROAD • ST. PAUL, MINNESOTA • 55155-40 10
(612) 298-6157

March 12, 1990

Mr. Jim Caswell, Engineer
Minneapolis Park and Recreation Board
310 4th Avenue South
Minneapolis, MN 55415

4/10/90
MAR 14 90

RECEIVED OF NAT. J

RE: Roberts Bird Sanctuary Restoration
Environmental Assessment Worksheet (EAW)

Dear Mr. Caswell:

The Department of Natural Resources has reviewed the above-referenced document, and we offer the following comments for your consideration.

Item #11 Two DNR Division of Waters permits will be required for the project: 1) a Protected Waters Permit (the project involves wetland #27-665P); and 2) a Water Appropriations Permit (the appropriation will exceed 1.0 million gallons/year).

Item #18a Should be answered "YES"; the project is within the Lake Harriet Shoreland District.

Item #19 "See attached" is not an adequate response for this item. It is not at all clear what "attached" is being referred to. There doesn't appear to be an attachment that describes "physical alterations of any drainage system, lake, stream, and/or wetland", or that describes "measures to minimize impairment of the water-related resources". What is the estimated quantity of material to be dredged?


Item #20 The project description is sketchy in regard to this appropriation. Why are 1.5 million gallons of water from Lake Harriet needed? Is it for construction dewatering or for water augmentation in the wetland? If the appropriation is for dewatering, where will it be discharged?

Item #22c It seems likely that the project will cause noise and dust during excavation and construction. The project is located in an urban recreation/open space area, which could be sensitive to both pollutants.

Jim Caswell
03/12/90
Page 2

From our perspective, an environmental impact statement is not needed for this project. Thank you for the opportunity to review this EAW. If you have any questions regarding our comments, please call Rebecca Wooden of my staff, at 612-297-3355.

Sincerely,


Thomas W. Balcom, Supervisor
NR Planning and Review Services
Office of Planning

c: Kathleen Wallace
Steve Colvin
| Dave Milles
Gregg Downing, EQB
Robert Welford, USFWS

#900137-01



STATE OF
MINNESOTA
DEPARTMENT OF NATURAL RESOURCES

PHONENO. 612/296-7523

1200 Warner Rd., St. Paul, MN. 55106

FILE NO.

February 11, 1987

Mr. Jim Caswell
MINNEAPOLIS PARK & RECREATION BOARD
310 - 4th Avenue South
Minneapolis, MN. 55415

Dear Mr. Caswell:

RE: PA 87-6131 - EXCAVATION - WETLAND 27-665W

Your permit for the above-referenced project is enclosed. As you agreed to with Judy Boudreau and Jon Parker at the site on January 28, 1987, the permit is being issued under the following conditions:

- 1) The wetland shall be enlarged to the west to compensate for any spoil disposal below the ordinary high water level.
- 2) Any plans to construct a path through the wetland must be approved under separate permit.
- 3) Future pumping shall require a separate APPROPRIATION permit and said water level enhancement shall maintain an as-yet-to-be determined minimum water level (possibly 138.0 CITY DATUM) in the wetland basin.
- 4) Future phases of the Roberts Bird Sanctuary project (including purple loostrife control) shall be reviewed with the DNR Area Hydrologist and Area Wildlife Manager for its consistency with DNR regulations - at least 6-12 months before intended construction.

Thank you for your cooperation. We appreciate the Park Boards desire to manage the Roberts Bird Sanctuary as a viable natural resource and a public benefit.

Sincerely,

Kent Lokkesmoe
Regional Hydrologist
METRO REGION DIVISION OF WATERS

cc: USCOE
Hennepin County SWCD
City of Minneapolis, Milt Christensen
Jon Parker, AWM
Mike Hammer, C.O.
St. Paul Waters
Wetland file ✓

K34/lkr

AN EQUAL OPPORTUNITY EMPLOYER



PROTECTED WATERS PERMIT

P.A. Number 87-6131

Pursuant to Minnesota Statutes, Chapter 105, and on the basis of statements and information contained in the permit application, letters, maps and plans submitted by the applicant and others supporting data, all of which are made a part hereof by reference, PERMISSION IS HEREBY GRANTED to the applicant named below to change the course, current, or cross section of the following:

Protected Water Wetland 27-665W (Robert's Bird Sanctuary)	County Hennepin
Name of Applicant Minneapolis Park & Recreation Board, Attn: Jim Caswell	Telephone Number (include Area Code) (612) 348-2220
Address (No. & Street, RFD, Box No., City, State, Zip Code) 310 - 4th Avenue South., Minneapolis, MN. 55415	
Authorized to: Excavate 2 acres of wetland to a depth of 3 feet as indicated in application and support material received October 27, 1986, EXCEPT that all spoil shall be placed above elevation 848.9 (138.6 CITY DATUM). THIS PERMIT DOES NOT AUTHORIZE EXTENSION OF THE PATH SYSTEM THROUGH THE WETLAND.	
Purpose of Permit: Wildlife enhancement	Expiration Date of Permit June 30, 1987
Property Described as: Gov't Lot 3, Center, Section 9, Township 28 N, Range 24 W	County Hennepin
As Indicated: (8) does not apply	As Indicated: (11) Elevation 848.9 (138.6 City Datum)

This permit is granted subject to the following GENERAL and SPECIAL PROVISIONS:

GENERAL PROVISIONS

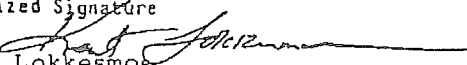
1. This permit is permissive only and shall not release the permittee from any liability or obligation imposed by Minnesota Statutes, Federal Law or local ordinances relating thereto and shall remain in force subject to all conditions and limitations now or hereafter imposed by law.
2. This permit is not assignable except with the written consent of the Commissioner of Natural Resources.
3. The Regional Hydrologist shall be notified at least five days in advance of the commencement of the work authorized hereunder and shall be notified of its completion within five days thereafter. The notice of permit issued by the Commissioner shall be kept securely posted in a conspicuous place at the site of operations.
4. No change shall be made, without written permission previously obtained from the Commissioner of Natural Resources, in the dimensions, capacity or location of any items of work authorized hereunder.
5. The permittee shall grant access to the site at all reasonable times during and after construction to authorized representatives of the Commissioner of Natural Resources for inspection of the work authorized hereunder.
6. This Permit may be terminated by the Commissioner of Natural Resources at any time he deems it necessary for the conservation of water resources of the state, or in the interest of public health and welfare, or for violation of any of the provisions of this permit, unless otherwise provided in the Special Provisions.
7. Construction work authorized under this permit shall be completed on or before date specified above. Upon written request to the Commissioner by the Permittee, stating the reason therefore, an extension of time may be obtained.
8. The excavation of soil authorized herein shall not be construed to include the removal of organic matter (as indicated above) unless the area from which such organic matter is removed, is impervious, or is sealed by the application of bentonite after excavation.
9. In all cases where the doing by the permittee of anything authorized by this permit shall involve the taking, using, or damaging of any property rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the permittee, before proceeding therewith, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights and interests necessary therefore.

10. This permit is permissive only. No liability shall be imposed upon or incurred by the State of Minnesota or any of its officers, agents or employees, officially or personally, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the permittee or any of its agents, employees, or contractors relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claims or right of action of any person other than the state against the permittee, its agents, employees, or contractors, for any damage or injury resulting from any such act or omission, or as estopping or limiting any legal claim or right of action of the state against the permittee, its agents, employees, or contractors for violation of or failure to comply with the permit or applicable provisions of law.
11. No material excavated by authority of this permit nor material from any other source, except as specified herein, shall be placed on any portion of the bed of said waters which lies below (as indicated above).
12. Any extension of the surface of said waters resulting from work authorized by this permit shall become protected waters and left open and unobstructed for use by the public.
13. This permit does not obviate any requirement for federal assent from the U.S. Corps of Engineers, 1135 U.S. Post Office and Custom House, St. Paul, Minnesota 55101.

SPECIAL PROVISIONS

4. The permittee shall comply with all rules, regulations, requirements or standards of the Minnesota Pollution Control Agency and other applicable federal, state or local agencies.
5. Permittee shall ensure that the contractor has received and thoroughly understands all conditions of this permit.
6. Erosion control measures shall be adequately designed for the site characteristics. They may include staked haybales, diversion channels, sediment ponds, or sediment fences. They shall be installed prior to commencement and maintained throughout project. All exposed soil shall be restored (by seeding and mulching or sodding and staking) within 72 hours of completion of project.
7. Applicant shall expand wetland to the west to compensate for any spoil material placed in the wetlands. Plans shall be reviewed and approved by the Regional Hydrologist.

cc: USCOE
 Hennepin County SWCD
 Minnehaha Creek WSD
 City of Minneapolis, Milt Christensen
 Jon Parker, AWM
 Mike Hammer, C.O.
 Wetland 27-665 file
 St. Paul Waters

Authorized Signature  Kent Lokkesmoe	Title Regional Hydrologist	Date FEBRUARY 12, 1987
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DEPARTMENT of Natural Resources
Division of Waters

Office Memorandum

TO: PERMIT FILE # 87-6131

DATE: 8/25/87

FROM: MIKE PELOQUIN FOR JUDY BOUDREAU
METRO REGION DIVISION OF WATERS

PHONE: 296-7523

SUBJECT: PERMIT STATUS

Permit # 87-6131 has been satisfactorily completed and the file is closed.

Additional comments:

MINNEAPOLIS PARK & REC. BOARD

ROBERTS BIRD SANCTUARY DREDGING OPERATIONS

JIM CASWELL 348-2220 — PER JIM, WORK HAS BEEN COMPLETED.

lkr

of Natural Resources
Metro Region Division of Waters

Gail Lewellan, Special Assistant Attorney General

5/15/87

THRU: Kent Lokkesmoe, Regional Hydrologist

Judy Boudreau, Area Hydrologist

6-7523

Water Level Controls at Roberts Bird Sanctuary

Please note the attached letter which was mailed with an excavation permit for the Roberts Bird Sanctuary. We feel a new appropriation permit application should be submitted for the water level maintenance of wetland 27-665W. The screen referenced on page 2 would be required under that permit and the design would be reviewed and approved by the Division of Fisheries during the application review procedure.

Item 3 on page 2 should indicate the need for permits if alterations are made below the OHW.

J78/1kr

STATE OF MINNESOTA

Office Memorandum

DEPARTMENT ATTORNEY GENERAL

TO: KENT LOKKESMOE

DATE: 5/5/87

FROM: GAIL LEWELLEN 

PHONE: 6-0687

SUBJECT: AGREEMENT BETWEEN MINNESOTA DEPARTMENT OF NATURAL RESOURCES AND MINNEAPOLIS PARK AND RECREATION BOARD: WATER LEVEL CONTROLS AT ROBERTS BIRD SANCTUARY, LAKE HARRIET, HENNEPIN COUNTY.

I have been asked to draft an Agreement which allows the Minneapolis Park and Recreation Board to operate a pumping system and control structure owned by the Minnesota Department of Natural Resources for the benefit of a wetland within the Roberts Bird Sanctuary. I have attached a draft of the proposed Agreement.

I have also attached a Project Proposal prepared by the Park Board which I understand has been funded. The proposal may involve work in a protected water. See page three.

Fisheries has expressed a concern regarding the potential for rough fish to migrate into the marsh areas, and has requested that a screen be required at the control structure. If a permit for work in public waters is required, it may be appropriate to include a provision regarding the fish screen. Please inform me as to whether a permit application has been submitted or whether you think one is required.

GIL:dw
 Attach.
 cc(w/o attach.): Joan Galli
 Duane Schodeen

JB
RECEIVED
 MAY 6 1987
REGION VI
WATERS

Comments -
 Reference other permit?
 K

AGREEMENT

THIS AGREEMENT is made by and between the City of Minneapolis, acting by and through its Park and Recreation Board (hereinafter called "Park Board"), and the State of Minnesota, acting by and through its Commissioner of Natural Resources (hereinafter called "DNR").

WHEREAS, the T. S. Roberts Bird Sanctuary, near Lake Harriet, owned by the Park Board, is an important bird refuge and bird-watching area in the City of Minneapolis;

WHEREAS, a lowland marsh covering about 80% of the 17 acre sanctuary is an important natural attribute of the sanctuary area;

WHEREAS, maintenance of the marsh vegetation and open water habitat requires water level management;

WHEREAS, under an agreement executed on August 17, 1959, a water level control structure and pump house were jointly constructed by the Park Board and DNR in 1960 to control water levels for fish spawning purposes;

WHEREAS, the agreement executed in 1959 has expired and the pumping system is no longer being used for fish spawning purposes;

WHEREAS, both parties now desire that the system be operated and maintained for the purpose of maintaining bird habitat, nature study, and other environmental and scenic purposes;

NOW, THEREFORE, IT IS AGREED, by and between the parties that:

DNR shall:

1. Continue to own the pump house and pump system.

The Park Board shall:

1. Maintain and operate the pumping system, including all necessary repair and payment of utility costs to insure proper water level management for bird watching and nature study;

2. Construct a screen in the water level control structure in a design approved by the DNR Metro Region Fisheries Supervisor to prevent fish from leaving Lake Harriet and entering the marsh.

? water

3. Inform DNR if the Park Board has any plans to alter the use of the lands included within the Roberts Bird Sanctuary or the management of the marsh for bird habitat, nature study and other environmental and scenic purposes.

Div. of Waters?

THIS AGREEMENT shall be effective on the date on which it is signed by all parties and shall continue through the useful life of the pumping system.

MINNEAPOLIS PARK AND RECREATION BOARD

Approp. Permit?

By _____
Title: Superintendent
Date: _____

By _____
Title: _____
Date: _____

DEPARTMENT OF NATURAL RESOURCES

By _____
Title: Commissioner
Date: _____

APPROVED AS TO FORM AND EXECUTION

HUBERT H. HUMPHREY, III
Attorney General

By _____
Special Assistant
Attorney General
Date: _____

NA-02683-03
(W-236 7/84)



Department of Natural Resources
Division of Waters

FEE RECEIVED

Hydro JB
I ✓

Application Fee - Protected Waters (32)	\$	_____
Amend/Transfer Fee PW (36)	\$	_____
Application Fee - Appropriation (33)	\$	_____
Amend/Transfer Fee Appro. (38)	\$	_____
Inspection Fee (34)	\$	<u>25.00</u>
Monitoring Fee (35)	\$	_____
Pumping Fee (37)	\$	_____
Dam Safety Initial Fee (39)	\$	_____
Additional Permit Application Fee (55)	\$	<u>480.00</u>
Dam Safety Periodic Fee (56)	\$	_____
Miscellaneous (99)	\$	_____
(specify) _____	\$	_____

Mpls Park Bd
Applicant

P.A. 87 - 6/31
Date: 2 - 20 - 87
COUNTY: Stenn
COUNTY NO: 27

DO NOT WRITE BELOW THIS LINE

RECEIVED
FEB 26 1987
REGION VI
WATERS

612/296-7523

1200 Warner Rd., St. Paul, MN. 55106

February 11, 1987

Mr. Jim Caswell
MINNEAPOLIS PARK & RECREATION BOARD
310 - 4th Avenue South
Minneapolis, MN. 55415

Dear Mr. Caswell:

RE: PA 87-6131 - EXCAVATION - WETLAND 27-665W

Your permit for the above-referenced project is enclosed. As you agreed to with Judy Boudreau and Jon Parker at the site on January 28, 1987, the permit is being issued under the following conditions:

- 1) The wetland shall be enlarged to the west to compensate for any spoil disposal below the ordinary high water level.
- 2) Any plans to construct a path through the wetland must be approved under separate permit.
- 3) Future pumping shall require a separate APPROPRIATION permit and said water level enhancement shall maintain an as-yet-to-be determined minimum water level (possibly 138.0 CITY DATUM) in the wetland basin.
- 4) Future phases of the Roberts Bird Sanctuary project (including purple loosestrife control) shall be reviewed with the DNR Area Hydrologist and Area Wildlife Manager for its consistency with DNR regulations - at least 6-12 months before intended construction.

Thank you for your cooperation. We appreciate the Park Boards desire to manage the Roberts Bird Sanctuary as a viable natural resource and a public benefit.

Sincerely,



Kent Lokkesmo
Regional Hydrologist
METRO REGION DIVISION OF WATERS

cc: USCOE
Hennepin County SWCD
City of Minneapolis, Milt Christensen
Jon Parker, AWM
Mike Hammer, C.O.
St. Paul Waters
Wetland file



PROTECTED WATERS PERMIT

P.A. Number 87-6131

Pursuant to Minnesota Statutes, Chapter 105, and on the basis of statements and information contained in the permit application, letters, maps and plans submitted by the applicant and others supporting data, all of which are made a part hereof by reference, PERMISSION IS HEREBY GRANTED to the applicant named below to change the course, current, or cross section of the following:

Protected Water Wetland 27-665W (Robert's Bird Sanctuary)	County Hennepin
Name of Applicant Minneapolis Park & Recreation Board, Attn: Jim Caswell	Telephone Number (include Area Code) (612) 348-2220
Address (No. & Street, RFD, Box No., City, State, Zip Code) 310 - 4th Avenue South., Minneapolis, MN. 55415	
Authorized to: Excavate 2 acres of wetland to a depth of 3 feet as indicated in application and support material received October 27, 1986, EXCEPT that all spoil shall be placed above elevation 848.9 (138.6 CITY DATUM). THIS PERMIT DOES NOT AUTHORIZE EXTENSION OF THE PATH SYSTEM THROUGH THE WETLAND.	
Purpose of Permit: Wildlife enhancement	Expiration Date of Permit June 30, 1987
Property Described as: Gov't Lot 3, Center, Section 9, Township 28 N, Range 24 W	County Hennepin
As Indicated: (8) does not apply	As Indicated: (11) Elevation 848.9 (138.6 City Datum)

This permit is granted subject to the following GENERAL and SPECIAL PROVISIONS:

GENERAL PROVISIONS


1. This permit is permissive only and shall not release the permittee from any liability or obligation imposed by Minnesota Statutes, Federal Law or local ordinances relating thereto and shall remain in force subject to all conditions and limitations now or hereafter imposed by law.
2. This permit is not assignable except with the written consent of the Commissioner of Natural Resources.
3. The Regional Hydrologist shall be notified at least five days in advance of the commencement of the work authorized hereunder and shall be notified of its completion within five days thereafter. The notice of permit issued by the Commissioner shall be kept securely posted in a conspicuous place at the site of operations.
4. No change shall be made, without written permission previously obtained from the Commissioner of Natural Resources, in the dimensions, capacity or location of any items of work authorized hereunder.
5. The permittee shall grant access to the site at all reasonable times during and after construction to authorized representatives of the Commissioner of Natural Resources for inspection of the work authorized hereunder.
6. This Permit may be terminated by the Commissioner of Natural Resources at any time he deems it necessary for the conservation of water resources of the state, or in the interest of public health and welfare, or for violation of any of the provisions of this permit, unless otherwise provided in the Special Provisions.
7. Construction work authorized under this permit shall be completed on or before date specified above. Upon written request to the Commissioner by the Permittee, stating the reason therefore, an extension of time may be obtained.
8. The excavation of soil authorized herein shall not be construed to include the removal of organic matter (as indicated above) unless the area from which such organic matter is removed, is impervious, or is sealed by the application of bentonite after excavation.
9. In all cases where the doing by the permittee of anything authorized by this permit shall involve the taking, using, or damaging of any property rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the permittee, before proceeding therewith, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights and interests necessary therefore.

10. This permit is permissive only. No liability shall be imposed upon or incurred by the State of Minnesota or any of its officers, agents or employees, officially or personally, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the permittee or any of its agents, employees, or contractors relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claims or right of action of any person other than the state against the permittee, its agents, employees, or contractors, for any damage or injury resulting from any such act or omission, or as estopping or limiting any legal claim or right of action of the state against the permittee, its agents, employees, or contractors for violation of or failure to comply with the permit or applicable provisions of law.
11. No material excavated by authority of this permit nor material from any other source, except as specified herein, shall be placed on any portion of the bed of said waters which lies below (as indicated above).
12. Any extension of the surface of said waters resulting from work authorized by this permit shall become protected waters and left open and unobstructed for use by the public.
13. This permit does not obviate any requirement for federal assent from the U.S. Corps of Engineers, 1135 U.S. Post Office and Custom House, St. Paul, Minnesota 55101.

SPECIAL PROVISIONS

14. The permittee shall comply with all rules, regulations, requirements or standards of the Minnesota Pollution Control Agency and other applicable federal, state or local agencies.
15. Permittee shall ensure that the contractor has received and thoroughly understands all conditions of this permit.
16. Erosion control measures shall be adequately designed for the site characteristics. They may include staked haybales, diversion channels, sediment ponds, or sediment fences. They shall be installed prior to commencement and maintained throughout project. All exposed soil shall be restored (by seeding and mulching or sodding and staking) within 72 hours of completion of project.
17. Applicant shall expand wetland to the west to compensate for any spoil material placed in the wetlands. Plans shall be reviewed and approved by the Regional Hydrologist.

cc: USCOE
 Hennepin County SWCD
 Minnehaha Creek WSD
 City of Minneapolis, Milt Christensen
 Jon Parker, AWM
 Mike Hammer, C.O.
 Wetland 27-665 file
 St. Paul Waters

Authorized Signature  Kent Lokkesmoe	Title Regional Hydrologist	Date FEBRUARY 12, 1987
---	-------------------------------	---------------------------

612/296-7523

1200 Warner Rd., St. Paul, MN. 55106

February 3, 1987

Mr. Jim Caswell
MPLS. PARK & RECREATION BOARD
310 - 4th Ave. South
Mpls., MN. 55415

RE: PERMIT APPLICATION 87-6131, EXCAVATION, WETLAND 27-665W, (ROBERTS BIRD SANCTUARY)

Dear Mr. Caswell:

Department personnel have completed review of your application for a permit to work in protected waters. Under Mn. Rules, Part 6115.0080, the Department cannot issue a protected waters permit until the applicant has paid an additional application fee based upon the cost and complexity of the proposed project. The additional application fee is doubled in the case of a project commenced before a permit is issued. The Department must also charge for cost of field inspections for any project which is undertaken without a permit application. The inspection fee includes the costs of necessary surveys and must be based upon the actual cost of the inspection. The cost of field inspections will be at least \$25.00, but not more than \$750.00. Fees must be paid by check or money order and made payable to Minnesota Department of Natural Resources. Cash payments cannot be accepted.

Since an investigation of your proposed project was conducted by Department personnel on January 28, 1987, your project qualifies for the required field inspection fee. The total fee, therefore, is based on the following:

APPLICATION FEE	\$30.00
ADDITIONAL FEE - DOUBLE	\$500.00
FIELD INSPECTION COSTS	\$25.00
TOTAL	\$555.00
LESS AMOUNT PAID	-\$50.00
TOTAL AMOUNT DUE	\$505.00

The permit to be issued to you will authorize the following work to be done in protected waters:

Excavate 2 acres of wetland to a depth of 3 feet except that all spoil shall be placed above elevation 848.9 (138.6 City Datum).

Please remember that we cannot issue your permit until you have paid all required fees. Under Mn. Rules, Part 6115.80, if additional application fee is not received within 30 days of the mailing of this letter, your permit may be denied. If you have any questions, please call this office.

Sincerely,



Kent Lokkesmoe
Regional Hydrologist
706/111--

Office Memorandum

DEPARTMENT OF NATURAL RESOURCES

TO: Kent Lokkesmoe

DATE: 1-29-87

FROM: Judy Boudreau, Permit Reviewer
Metro Regional Division of Waters

PHONE: 296-7523

SUBJECT: PROJECT EVALUATION REPORT

PERMIT NUMBER: 87-6131 APPLICANT: Minneapolis Park Board

PERMIT TYPE: Work in the beds - excavation for open water

COUNTY/LOCATION: Dennepin / NE of Lake Harriet in Mpls / Roberts Bird Wetland 27-665 Sanctuary

PROJECT PROPOSAL:

Excavation of 2 acres of wetland to provide open water. Spoil required to be placed above 848.9 (138.6 CITY DATUM) by WSD. That elevation is not necessarily above the the OHW.

APPLICABLE REGULATIONS: 6115.0201 Subd. 6: EXCAVATION FOR WILDLIFE HABITAT IMPROVEMENT
pumping to enhance water levels 3 feet is infeasible due to path inundation. Future pumping is planned to keep excavated portion full and overflowing to wetland basin.

COMMENTS (F&W, SWCD, Etc.), FIELD INSPECTION, & DISCUSSION:
EAW - negative declaration
Minnehaha Creek WSD - fill must be placed above 848.9
USCOE
City Engineer's office - no comment
SWCD - no concern

FEES:

250 X 2 = \$500 (work started prior to receipt of permit)

RECOMMENDATIONS:

ISSUE w/ conditions discussed on memo dated 1-28-87

1-28-87

Met at site with Jim Caswell and Jon Parker (Parker wanted to explore the alternative of no excavation—just pumping water level up 3 feet).

When we arrived, the contractor had already begun the work! (Von Viet's son supposedly helping Dad out by starting the job early).

In addition, the Park Board has instructed Caswell to look into constructing a path which has been in their longrange plans. It originally was to be a floating dock but filling bids were much cheaper.

Caswell stopped the contractor. we discussed the option of raising levels: the existing path system would be inundated in some spots.

Jon agreed to the proposal IF:

- 1) spoil is placed as requested by WSD, but as much out of the basin as possible
- 2) We would evaluate the impact of the spoil and require commensurate expansion of wetland basin in future
- 3) path is not constructed under this permit
- 4) because excavated pond will tend to draw water from an already dry

marsh, future pumping should raise the water level enough to maintain some water in the entire marsh... not just the open water pond.

- 5) The entire future project be reviewed and commented on by DNR early so that revisions can be made.

Caswell agreed and gave me a copy of phase II of the project.

We agreed that the contractor could resume work but that they would be required to pay a double fee.



January 21, 1987

To All Interested Parties:

The Minneapolis Park and Recreation Board, upon the notification or lack thereof, of comments regarding the proposed dredging operation at Roberts Bird Sanctuary (SE 1/4, NW 1/4, Sec. 9, T28N, R24W) hereby issues a decision of finding this project non-harmful and environmentally acceptable and thereby wishes to proceed with said project without need for an environmental impact statement.

It is our desire to begin said project immediately and that all permit issuing agencies do so as soon as possible so present climatic conditions may be taken advantage of and a timely completion may be fulfilled.

For additional information or comments contact Jim Caswell, PE, Minneapolis Park and Recreation Board, 310 4th Avenue South, Minneapolis, Minnesota 55415 - 348-2220.

Jim Caswell

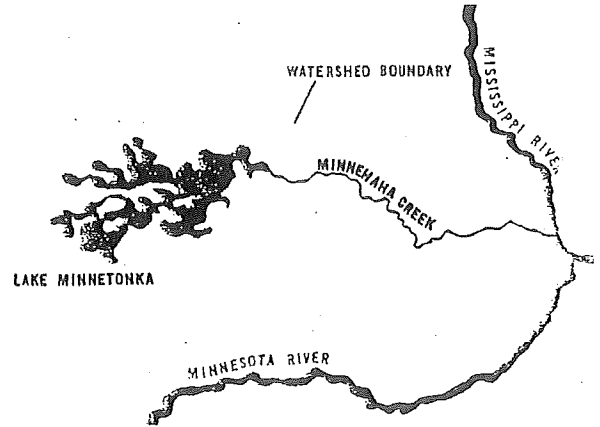


MINNEHAHA CREEK WATERSHED DISTRICT

P.O. Box 387, Wayzata, Minnesota 55391

BOARD OF MANAGERS:

David H. Cochran, Pres. • Albert L. Lehman • John E. Thomas • Barbara R. Gudmundson • Michael R. Carroll



Permit Application No: 86-202

Date: January 16, 1987

Owner: Minneapolis Park & Rec. Board
310 4th Avenue So.
Minneapolis, MN 55416

Location: City of Minneapolis, Sec 9BD, north
of Lake Harriet

Purpose: Restoration of Roberts Bird
Sanctuary

Dear Sir:

At the regularly scheduled January 15, 1987 meeting of the Board of Managers, the subject permit application was reviewed along with the following exhibits:

1. Permit Application No. 86-202, received November 26, 1986.
2. Description, site map, site plan, typical cross-section, and soil boring logs prepared by the Minneapolis Park and Recreation Board.
3. Letter from the District to the DNR, dated November 3, 1986 offering comments on the project.
4. Environmental Assessment Worksheet from the Metropolitan Council, dated November 21, 1986.

The Board approved the permit application with the condition that no fill be placed below elevation 848.9 (city datum 138.6).

This document is your permit from the MCWD. It is valid for one (1) year. If construction is not complete within one (1) year, an extension must be requested. Please contact the District at 473-4224 when the project is about to commence so an inspector may view the work in progress.

EUGENE A. HICKOK AND ASSOCIATES
Engineers for the District

Michael A. Panzer
Michael A. Panzer, P.E.

cc: Board
G. Macomber
J. Boudreau, DNR

1/16/87
Date of Issue

kh

RECEIVED
JAN 22 1987
REGION VI
WATERS



STATE OF
MINNESOTA
DEPARTMENT OF NATURAL RESOURCES

BOX , 500 LAFAYETTE ROAD • ST. PAUL, MINNESOTA • 55146

DNR INFORMATION
(612) 296-6157

January 5, 1987

Mr. James Caswell
Minneapolis Park and Recreation Board
310 4th Avenue South
Minneapolis, Minnesota 55415

RE: ROBERTS BIRD SANCTUARY RESTORATION
ENVIRONMENTAL ASSESSMENT WORKSHEET (EAW)

Dear Mr. Caswell:

The Department of Natural Resources (DNR) has reviewed the above-referenced document and we offer the following comments for your consideration.

A concern that we have with this EAW is that it does not adequately explain how purple loosestrife will be controlled. Dredging of the wetland basin to create open water areas will effectively remove loosestrife from the excavated areas. However, the excavated material will contain purple loosestrife seeds and it is likely that the plant will grow on the spoil disposal site. We recommend that the spoil not be placed in a wetland area and that any purple loosestrife growth on the disposal site be effectively controlled. Young plants can be easily pulled out by hand.

Purple loosestrife will continue to invade the restored wetland area unless appropriate control measures are used. Chemical removal of purple loosestrife requires an aquatic nuisance control (ANC) permit from the DNR Ecological Services Section. Mechanical removal does not require an ANC permit. But if work in the beds of protected waters is involved, a protected waters permit is required, as is the case for this project.

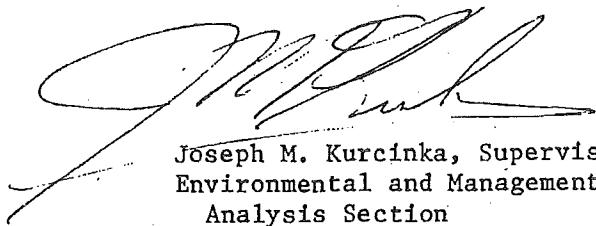
The EAW identifies a 2 million gallon appropriation of water from Lake Harriet but does not explain how the water will be used. You may be aware of the requirement to obtain a DNR appropriation permit for water withdrawals greater than 1 million gallons per year or 10,000 gallons per day.

AN EQUAL OPPORTUNITY EMPLOYER

Mr. James Caswell
January 5, 1987
Page 2

Thank you for the opportunity to review this project. If you have any questions regarding these comments, please contact Don Buckhout of my staff at (612) 296-8212.

Sincerely,



Joseph M. Kurcinka, Supervisor
Environmental and Management
Analysis Section

JMK/DB:pmc

c: Kathleen Wallace
Earl Huber
Judy Boudreau
Peter Buessler
don215/2

Judy B 661

ENVIRONMENTAL REVIEW TRANSMITTAL SLIP
MINNESOTA DEPARTMENT OF NATURAL RESOURCES
OFFICE OF PLANNING

TO:

Region 6 KATHLEEN WALLACE
Fisheries and Wildlife .. EARL HUBER
Waters JEANNE MATCZYNSKI 2ND } SHARED
Natural Heritage CARMEN CONVERSE } COPY
PLANNING PETER BUESSELER 1ST }

FROM: Environmental and Management Analysis Section

By: DON BUCKHOUT

PROJECT: ROBERTS BIRD SANCTUARY RESTORATION
FILE NUMBER: 870129 -- 1 DATE: 11/20/86
PROJECT TYPE: GENERAL DEVEL.
DOCUMENT TYPE: EAW-MANDATORY

TRANSMITTAL MESSAGE

FOR YOUR REVIEW AND COMMENTS.

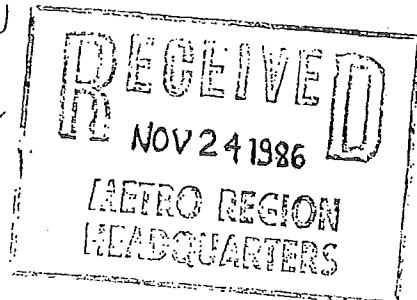
WETLAND RESTORATION PROJECT IN NATURE PRESERVE
NEAR LAKE HARRIET IN MINNEAPOLIS. PURPLE
LOOSTRIFE CONTROL IS ONE OF THE OBJECTIVES OF THE
PROJECT.

Please submit your comments by: 12/24/86

COMMENTS:

*Park Board has applied for a
DNR permit. Comments on EAW
and PA by Section of Wildlife
will be taken into account in
Div. of Waters review.*

*Judy Boudreau
12-8-86*



Environmental Assessment Worksheet (EAW)

MARK APPROPRIATE BOX:

REGULAR EAW

SCOPING EAW

NOTE TO REVIEWERS: For regular EAWs, written comments should address the accuracy and completeness of the EAW information, potential impacts that may warrant investigation and/or the need for an EIS. For scoping EAWs, written comments should address the accuracy and completeness of the information and suggest issues for investigation in the EIS. Such comments must be submitted to the Responsible Government Unit (RGU) during the 30-day period following notice of the EAW's availability in the EQB Monitor. Contact the EQB (metro: 612/296-8253; non-metro: 1-800-652-9747, ask for environmental review program) or the RGU to find out when the 30-day comment period ends.

1. Project Name Roberts Bird Sanctuary Restoration

2. Proposer Mpls Park and Recreation Board **3.** RGU Minneapolis Park and Recreation Board

Contact Person Jim Caswell

Contact Person Jim Caswell

Address 310 4th Ave. South

and Title Engineer

Minneapolis, MN 55415

Address 310 4th Avenue South

Phone 348-2220

Minneapolis, MN 55415

Phone 348-2220

4. Project Location: SE 1/4 NW 1/4 Section 9 Township 28N Range 24W

a. County Name Hennepin City/Township Name Minneapolis

b. Attach copies of each of the following to the EAW:

1. a county map showing the general area of the project.
2. a copy(ies) of USGS 7 1/2 minute, 1:24,000 scale map.
3. a site plan showing the location of significant features such as proposed structures, roads, extent of flood plain, wetlands, wells, etc.
4. an existing land use map and a zoning map of the immediate area, if available.

5. Describe the proposed project completely (attach additional sheets as necessary).

As part of the overall improvements to the Roberts Sanctuary, lowland marsh habitats are in need of restoration. Currently, about 80% of the site consists of a closed cattail marsh with an increasing swamp loosestrife component. The existence of sizable aggregations of broadleaf cattail within narrowleaf cattail areas suggest that: one, the composition has altered, and two, that the marsh contained larger pockets of open water in historic times. Natural factors such as drought and competition by associated vegetation likely accelerated the typical closed-marsh successional pattern. Accordingly, avian habitat for hydrophilic species dwindled. Restoration of open water habitats will create a more varied avian population and ensure that species which currently are under stress will remain at the site.

The work of this project will be as follows:

- 1) Creation of a haul road to the excavation site.
- 2) Construction of a dike and preparation of a specified disposal site.
- 3) Loading and hauling excavation materials from the wetland site to the disposal site.
- 4) Restoration of the wetland and disposal sites by removing the haul road and shaping each area directed.

6. Reason for EAW preparation: Protected Wetland
 List all mandatory category rule #'s which apply: 3.0382
7. Estimated construction cost 40,000
8. Total project area (acres) 3+ or length (miles) N.A.
9. Number of residential units 0 or commercial, industrial, or institutional square footage 0
10. Number of proposed parking spaces 0

11. List all known local, state and federal permits/approvals/funding required:

Level of Government	Type of Application	Status
Federal:		
State:	Department of Natural Resources	
Local:	Minnehaha Creek Watershed District	

12. Is the proposed project inconsistent with the local adopted comprehensive land use plan or any other adopted plans? No Yes
 If yes, explain:

13. Describe current and recent past land use and development on and near the site.
 Currently and historically, this area has been a sanctuary for birds and mammals, protected by a fence enclosure. A portion was once used as a fish hatchery - rearing pond by Minnesota DNR.

14. Approximately how many acres of the site are in each of the following categories? (Acreages should add up to total project area before and after construction.)

	Before	After		Before	After
Forest/Wooded	_____	_____	Wetland (types 3-8)	<u>17</u>	<u>17</u>
Cropland	_____	_____	Impervious Surface	_____	_____
Brush/grassland	_____	_____	Other (specify)	_____	_____

15. Describe the soils on the site, giving the SCS soil classification types, if known.
 Peat

16. Does the site contain peat soils, highly erodible soils, steep slopes, sinkholes, shallow limestone formations, abandoned wells, or any geologic hazards? If yes, show on site map and explain: No Yes

17. What is the approximate depth (in feet) to:
 a. groundwater 0 min. 0 avg. b. bedrock N.A. min. _____ avg.

- 18.** Does any part of the project involve:
- a. shoreland zoning district?
 - b. delineated 100-year flood plain?
 - c. state or federally designated river land use district?
- If yes, identify water body and applicable state classification(s), and describe measures to protect water and related land resources:

<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes

- 19.** Describe any physical alteration (e.g., dikes, excavation, fill, stream diversion) of any drainage system, lake, stream, and/or wetland. Describe measures to minimize impairment of the water-related resources. Estimate quantity of material to be dredged and indicate where spoils will be deposited.

See attached

- 20.** a. Will the project require an appropriation of ground or surface water? If yes, explain (indicate quantity and source):

<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Yes
--------------------------	----	-------------------------------------	-----

2 million gal. from Lake Harriet

- b. Will the project affect groundwater levels in any wells (on or off the site)? If yes, explain:

<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
-------------------------------------	----	--------------------------	-----

- 21.** Describe the erosion and sedimentation control measures to be used during and after construction of the project.

None

- 22.** a. Will the project generate:
- 1. surface and stormwater runoff?
 - 2. sanitary wastewater?
 - 3. industrial wastewater?
 - 4. cooling water (contact and noncontact)?
- If yes, identify sources, volumes, quality (if other than normal domestic sewage), and treatment methods. Give the basis or methodology of estimates.

<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes

- b. Identify receiving waters, including groundwater, and evaluate the impacts of the discharges listed above. If discharges to groundwater are anticipated, provide percolation/permeability and other hydrogeological test data, if available.

- 23.** Will the project generate (either during or after construction):

- a. air pollution?
- b. dust?
- c. noise?
- d. odors?

<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes

If yes, explain, including as appropriate: distances to sensitive land uses; expected levels and duration of noise; types and quantities of air pollutants from stacks, mobile sources, and fugitive emissions (dust); odor sources; and mitigative measures for any impacts. Give the basis or methodology of estimates.

24. Describe the type and amount of solid and/or hazardous waste including sludge and ashes that will be generated and the method and location of disposal:

25. None

Will the project affect:

a. fish or wildlife habitat, or movement of animals?

No Yes

b. any native species that are officially listed as state endangered, threatened, or of special concern (animals and/or plants)?

No Yes

If yes, explain (identify species and describe impact):

Purpose of project is to provide improved year around waterfowl and shorebird habitat.

26. Do any historical, archaeological or architectural resources exist on or near the project site? If yes, explain (show resources on a site map and describe impact):

No Yes

27. Will the project cause the impairment or destruction of:

a. designated park or recreation areas?

No Yes

b. prime or unique farmlands?

No Yes

c. ecologically sensitive areas?

No Yes

d. scenic views and vistas?

No Yes

e. other unique resources (specify)?

No Yes

If yes, explain:

28. For each affected road indicate the current average daily traffic (ADT), increase in ADT contributed by the project and the directional distributions of traffic.

N.A.

29. Are adequate utilities and public services now available to service the project? If not, what additional utilities and/or services will be required?

No Yes

N.A.

Summary of Issues

For regular EAWs, list the issues as identified by "yes" answers above. Discuss alternatives and mitigative measures for these issues. For scoping EAWs, list known issues, alternatives, and mitigative measures to be addressed in EIS.

Item

16. Peat Soil - No alternative.

20. Appropriation of surface water - site is connected to Lake Harriet - no alternative.

25A. Affect on wildlife habitat - purpose of restoration is improvement of habitat.

CERTIFICATION BY RESPONSIBLE GOVERNMENTAL UNIT

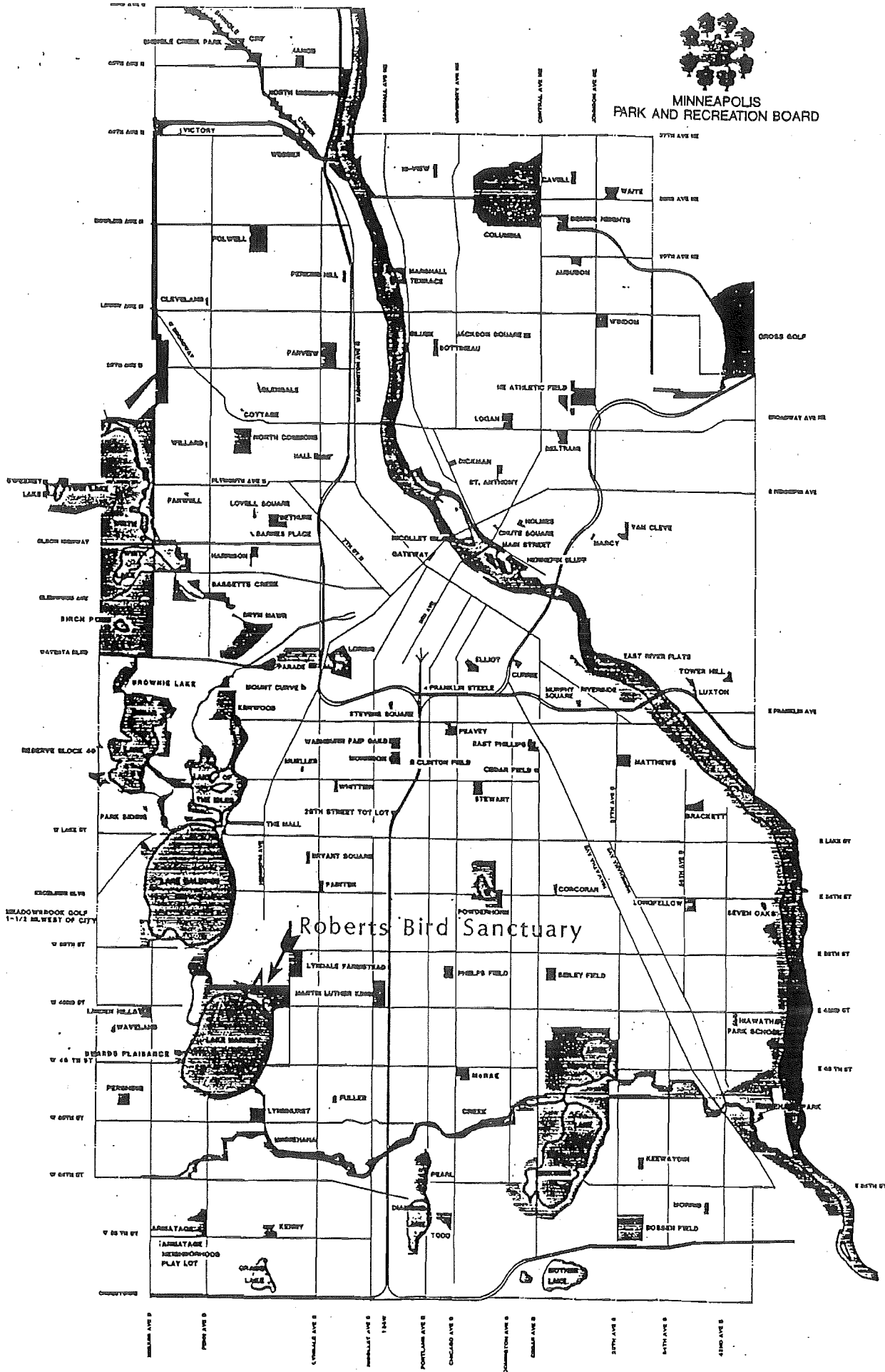
I hereby certify that the information contained in this document is true and complete to the best of my knowledge and that copies of the completed EAW have been made available to all points on the official EQB distribution list.

Signature _____ Date _____

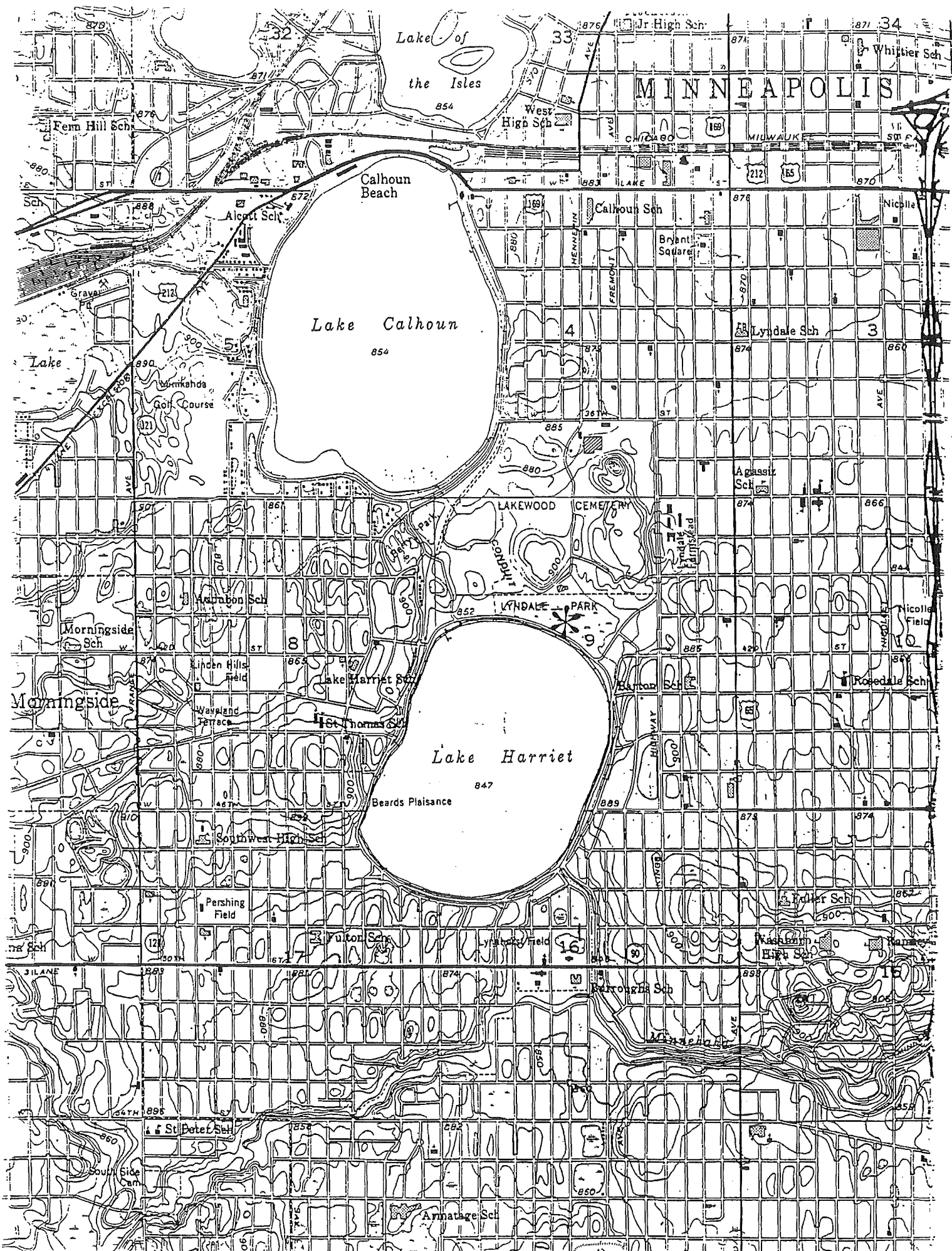
Title _____



MINNEAPOLIS
PARK AND RECREATION BOARD



Roberts Bird Sanctuary



FOR EXACT BOUNDARY
SEE ZONING ORDINANCE
AMENDMENT OF:

① 10-27-67

② 12-17-71

24

29

31

36

RESIDENCE DISTRICTS

- 01
- 01A
- 02
- 02A
- 02B
- 03
- 03A
- 03B
- 03C
- 03D
- 03E
- 04
- 04A
- 04B
- 04C
- 04D
- 04E
- 04F
- 04G

GENERAL RESIDENCE DISTRICTS

- R1-1,2,3,4
- R2-1,2,3,4
- R2C-1,2,3,4
- R3-1,2,3,4
- R3C-1,2,3,4
- R4-1,2
- R4A
- R4C-1,2
- R4D

COMMUNITY BUSINESS DISTRICTS

- CB-1,2,3,4

SMALL MANUFACTURING DISTRICTS

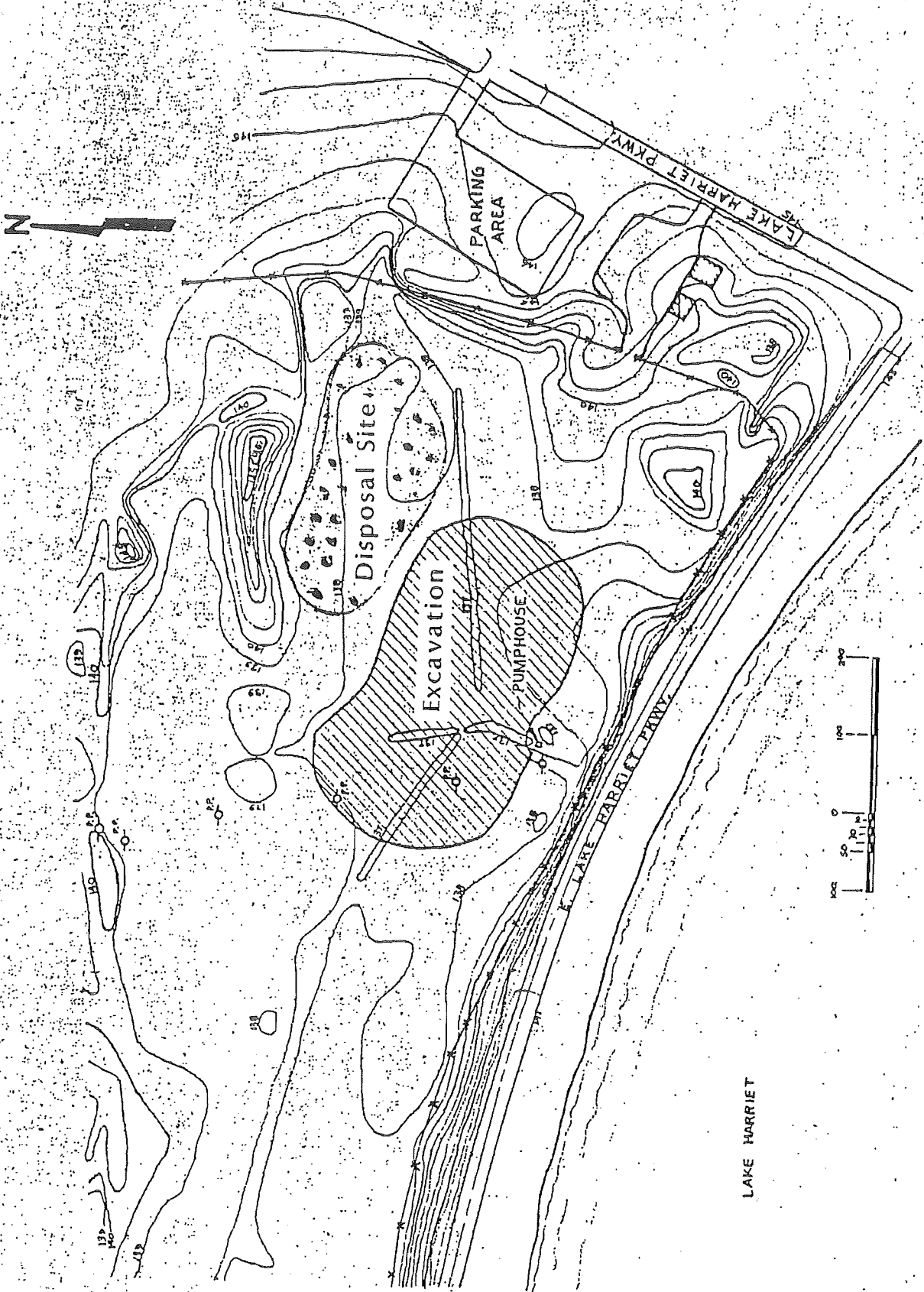
- M1-1,2,3,4
- M2-1,2,3,4
- M3-1,2,3,4
- M4-1,2,3,4

DISTRICT BOUNDARIES
HOUSE NUMBER OF
ADJACENT PLAT

FLOODPLAIN DISTRICTS
SEE CHAPTER 802



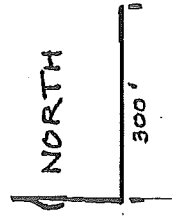
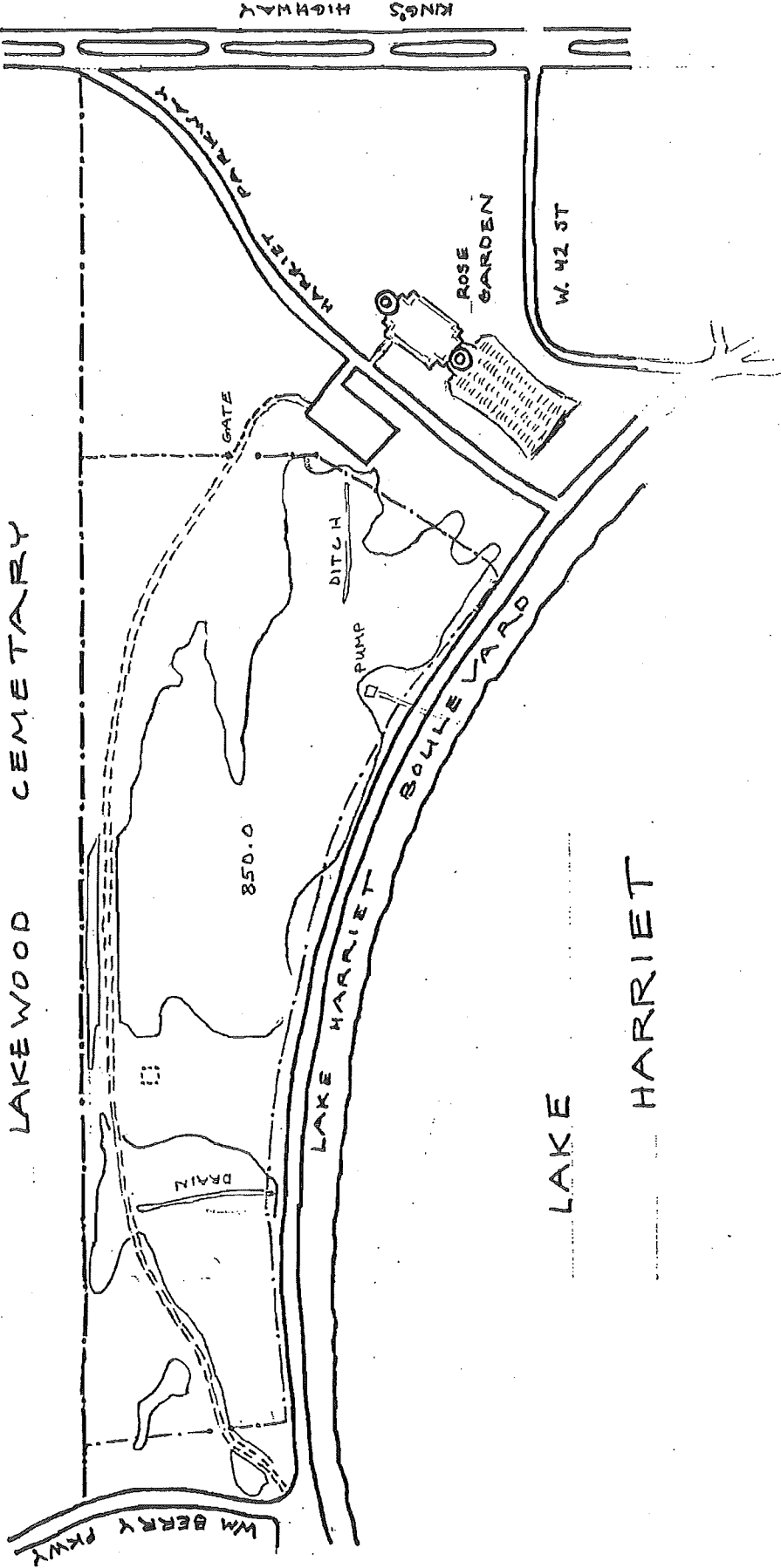
MINNEAPOLIS ZONING ORDINANCE	536.20
	PLATE 30



MPLS. PARK & REC. BOARD
 ROBERTS BIRD SANCTUARY
 RESTORATION PHASE II

DATE
 10-15-86

Revised.
11/7/1986



PK. 3-80
A 148-1

T.S. ROBERTS WILDLIFE SANCTUARY

AGREEMENT

Rec'd
1/7/1980

Agreement made this 12th day of August, 1959, by and between the City of Minneapolis, acting by and through its Board of Park Commissioners, and the Division of Game and Fish of the State of Minnesota (hereinafter called "Park Board") and the Division of Game and Fish of the State of Minnesota (hereinafter called "Division of Game and Fish")

WITNESSETH

WHEREAS, the Park Board and the Division of Game and Fish each desire that there be established a Lake Harriet Spawning Area, and

WHEREAS, the development and maintenance of said Lake Harriet Spawning Area is to be a joint undertaking of the Park Board and the Division of Game and Fish,

NOW THEREFORE, in consideration of the mutual covenants and agreements herein contained, it is hereby agreed as follows:

1. A spawning area to be known as Lake Harriet Spawning Area shall be located in Government Lot 3, Section 9, Township 28 North, Range 24 West, within the Thomas Sadler Roberts Bird Sanctuary North of Lake Harriet, which property is now owned and controlled by the Park Board, and shall contain approximately 17 acres.

2. The spawning area, building, structures, drains, grades, etc., shall be constructed in accordance with the Topographic Map and the Details of Control Structure, prepared by the Bureau of Engineering of the Minnesota Conservation Department, Division of Game and Fish, dated February 6, 1959, which are marked as Exhibit A and Exhibit B, respectively, and which are attached to this Agreement and made parts hereof, and any amendments or modifications of said Exhibit A and Exhibit B that shall hereafter be agreed upon between the parties hereto.

3. The Division of Game and Fish shall

set out in the estimate and material list attached to this Agreement as Exhibit C and shall construct the pump house and install the equipment therein.

4. The Park Board shall furnish the materials and labor set

out in the estimate attached hereto as Exhibit D, and shall remove necessary trees and other obstructions, do the grading work around the new building and roadway leading to the building, provide the necessary gate opening in the fence around the bird sanctuary, and do all necessary planting and horticultural work. The Park Board shall also install the intake pipe from Lake Harriet to the pumping station and shall install the power poles and power wires.

5. The Division of Game and Fish shall assume all maintenance

of the building, including painting and repair, and shall assume the repair or replacement of the pump and other equipment within the building, and shall assume the maintenance and repair of the other structures required for the operation of said spawning area. The Park Board shall assume the maintenance and upkeep of the landscaping and plantings in and around the area and the fence surrounding said area. The Park Board shall pay for the electricity required to operate the spawning area.

6. It is anticipated that water will be pumped into the area late

in March or early in April of each year; that adult brood stock will be introduced and allowed to spawn; that water level will be retained at an elevation of approximately 139 feet City Datum, the maximum being 140 feet, until the young fish reach fingerling size, or about the last week in May; and that the area will be drained and the fish stocked in Minneapolis Lakes by the Division of Game and Fish. The control of Lake Harriet Spawning Area, during the time each year that it is in use as a spawning area, shall be with the Division of Game and Fish, and at all other times the area shall be under the control of the Park Board.

APPROVED AS TO FORM AND SUBSTANCE

[Handwritten signature]
Special Agent

SAINTS C FOR 1957 ...
... IN THE ...

7. No construction shall commence under this Agreement until both parties hereto have secured the allocation of the necessary funds to insure completion of the project.

8. This Agreement shall run for a period of ten years from the date hereof, and shall be renewed for an additional ten year period thereafter, unless written notice of termination of this Agreement has been given six months prior to the end of such ten year period.

9. At the termination of this Agreement the Division of Game and Fish shall have the right, at its own expense, to remove the pump and all electrical equipment and attachments thereto which it provided for use in the Lake Harriet Spawning Area under this Agreement.

IN WITNESS WHEREOF, each of the parties hereto has caused this Agreement to be executed the day and year first above written.

CITY OF MINNEAPOLIS, acting by and through its BOARD OF PARK COMMISSIONERS

By Richard J. ... President
And Edward Moore Secretary

STATE OF MINNESOTA, DEPARTMENT OF CONSERVATION, DIVISION OF GAME AND FISH.

By George A. Selke
Commissioner of Conservation

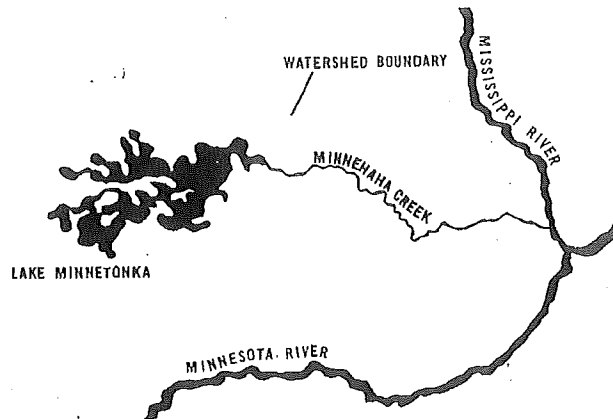
APPROVED AS TO FORM AND EXECUTION
B. Hildebrand
Spec. Asst. Atty. Gen., Dept. of Conservation
Date August 18, 1959



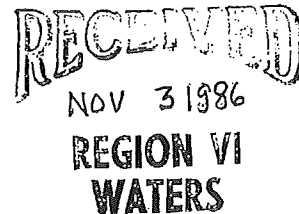
MINNEHAHA CREEK WATERSHED DISTRICT

P.O. Box 387, Wayzata, Minnesota 55391

BOARD OF MANAGERS: David H. Cochran, Pres. • Albert L. Lehman • John E. Thomas
Camille D. Andre • James R. Spensley • Richard R. Miller • Michael R. Carroll



November 3, 1986



Judy Boudreau
Minnesota Dept. of Natural Resource
Division of Waters
1200 Warner Road
St. Paul, MN 55106

Re: DNR Permit Application #87-6131

Dear Ms. Boudreau:

We have received the information you forwarded concerning the excavation of 2 acres of wetland at the Roberts Bird Sanctuary located North of Lake Harriet in the City of Minneapolis.

The development appears feasible and will require a permit review and approval by the Board of Managers of the Minnehaha Creek Watershed District.

Some of the District's concerns in development of this type include that:

1. The spoil material be disposed of in a location above the regional flood elevation of any adjacent waterbody and not prone to erosion.
2. Appropriate erosion control methods are in place to prevent the transport of sediments off site during and after construction.
3. Prompt restoration of the disturbed area be completed with seed and mulch or sod.
4. The proposed project shall represent the "minimal impact" solution to a specific need with respect to all other reasonable alternatives.

Thank you for the opportunity to comment. If you have any questions, please feel free to contact me at 473-4224.

Sincerely,

EUGENE A. HICKOK AND ASSOCIATES
Engineers for the District

Julie Johnson, Engineer

cc: Board
G. Macomber
M. Christiansen, City
of Minneapolis
J. Caswell, Minneapolis
Park and Rec

NA-02683-03
(W-236 7/84)



MINNESOTA

Department of Natural Resources
Division of Waters

FEE RECEIVED

Hydro Sandean

✓

Application Fee - Protected Waters (32)	\$ <u>30</u> . _____
Amend/ Transfer Fee PW (36)	\$ _____ . _____
Application Fee - Appropriation (33)	\$ _____ . _____
Amend/ Transfer Fee Appro. (38)	\$ _____ . _____
Inspection Fee (34)	\$ _____ . _____
Monitoring Fee (35)	\$ _____ . _____
Pumping Fee (37)	\$ _____ . _____
Dam Safety Initial Fee (39)	\$ _____ . _____
Additional Permit Application Fee (55)	\$ <u>20</u> . _____
Dam Safety Periodic Fee (56)	\$ _____ . _____
Miscellaneous (99)	\$ _____ . _____
(specify) _____	\$ _____ . _____

Mpls Park & Rec
Applicant

P.A. 87-6131
Date: 10-27-86
COUNTY: Dennebec
COUNTY NO: 27

DO NOT WRITE BELOW THIS LINE

RECEIVED
NOV 3 1986
REGION VI
WATERS



PERMIT APPLICATION
TO WORK IN PROTECTED WATERS OR WETLANDS
(INCLUDING DAM SAFETY)

OFFICE USE ONLY.	
P.A. NO.	
82-0131	
<input type="checkbox"/> SWCD	<input type="checkbox"/> C/C
<input type="checkbox"/> W.D.	<input type="checkbox"/> USCOE

▶▶ Please read instructions before attempting to complete this application.

I. Applicant's Name (Last, First/M.I.) Minneapolis Park & Recreation Board	Authorized Agent (if applicable) James J. Caswell	Telephone Number & area code (612) 348-2220
Address (Street, RFD, Box Number, City, State, Zip Code) 310 - 4th Ave. South Minneapolis, MN 55415		

II. LOCATION OF PROPOSED PROJECT (BE SURE TO INCLUDE SKETCH SHOWING HOW TO GET TO THE SITE)					
Government Lot(s) 3	Quarter Section(s)	Section(s) No. 9	Township(s) No. 28N	Range(s) No. 24W	Lot, Block, Subdivision
Fire No., Box No. or Project Address			County Hennepin	Project will affect <input type="checkbox"/> Lake, <input checked="" type="checkbox"/> Wetland or <input type="checkbox"/> Watercourse (name & number, if known)	

III. TYPE OF WORK PROPOSED (CHECK ONE)	IV. TYPE OF PROJECT (CHECK ONE)
<input checked="" type="checkbox"/> excavate <input type="checkbox"/> repair <input type="checkbox"/> fill <input type="checkbox"/> remove <input type="checkbox"/> drain <input type="checkbox"/> abandon <input type="checkbox"/> construct <input type="checkbox"/> other (specify) <input type="checkbox"/> install	<input type="checkbox"/> shoreline <input type="checkbox"/> shore-protection <input type="checkbox"/> obstruction <input type="checkbox"/> dam <input type="checkbox"/> channel <input type="checkbox"/> harbor <input type="checkbox"/> bridge <input checked="" type="checkbox"/> other <input type="checkbox"/> sand blanket <input type="checkbox"/> permanent dock <input type="checkbox"/> culvert (specify) <input type="checkbox"/> riprap <input type="checkbox"/> wharf Restore wetland

V. ESTIMATED PROJECT COST \$ 40,000	VI. LENGTH OF SHORELINE AFFECTED (IN FEET):
-------------------------------------	---

VII. VOLUME OF MATERIAL FILLED OR EXCAVATED (IN CUBIC YARDS):	9700
---	------

VIII. BRIEF EXPLANATION OF PROJECT: (EXPLAIN WHAT PROJECT CONSISTS OF AND HOW WORK WILL BE DONE)
Approximately 2 acres shall be dredged by backhoe, drag line or dozer during the winter. Roughly 3' of material shall be removed and deposited on site as shown on the attached plan.

IX. PURPOSE OF PROJECT: (Explain why this project is needed)
See attached

RECEIVED
OCT 27 1986
REGION VI
WATERS

X. ENVIRONMENTAL IMPACT (Anticipated changes to the water and related land resources, including unavoidable but detrimental effects)
See attached

XI. ALTERNATIVES (Other alternatives to the action proposed)
No Action

XII. I hereby make application pursuant to Minnesota Statutes Chapter 105.42 and all supporting rules for a permit to work in or affect the above named protected water(s) in accordance with all supporting maps, plans, and other information submitted with this application. The information submitted and statements made concerning this application are true and correct to the best of my knowledge.

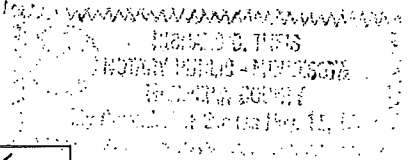
STATE OF MINN
COUNTY OF HENN
Subscribed and sworn to before me this

Signature of Owner or Authorized Agent <i>James J. Caswell</i>	Date 10-24-86
Signature of Leasee	Date

24 day of Oct 19 86

My commission expires

Signature of Notary *Richard C. Theis*



Distribution:
White: DNR
Blue: SWCD
Green: Watershed District
Goldenrod: City or County
Pink: Army Corps of Engineers
Canary: Applicant

876(3)

II. Project Prospectus (Continued)

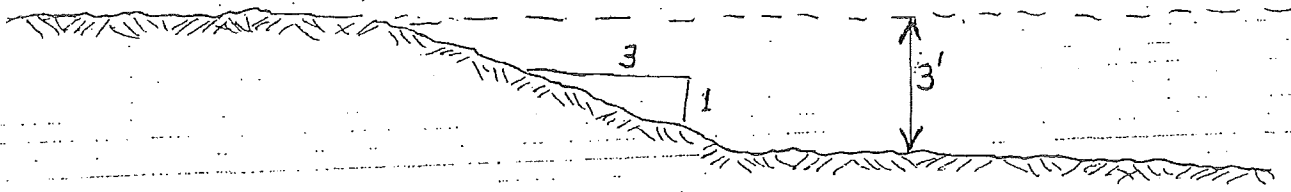
Phase I - Planting/Restoration:

A Natural Resource Development Grant was awarded in 1982 for Phase I of the Roberts Sanctuary Project. One hundred and five trees were planted at the site during 1984 and 1985. The project objective, to restore a portion of severely damaged tree canopy, appears to be working as planned. Significant increase in avian usage also appears to be the direct result of restoration efforts. The "canopy-island" concept may result in more program applications elsewhere.

Phase II - Lowland Habitat Restoration:

As part of the overall improvements to the Roberts Sanctuary, lowland marsh habitats are in need of restoration. Currently, about 80% of the site consists of a closed cattail marsh with an increasing swamp loosestrife component. The existence of sizable aggregations of broadleaf cattail within narrowleaf cattail areas suggest that: one, the composition has altered, and two, that the marsh contained larger pockets of open water in historic times. Natural factors such as drought and competition by associated vegetation likely accelerated the typical closed-marsh successional pattern. Accordingly, avian habitat for hydrophilic species dwindled. Restoration of open water habitats will create a more varied avian population and ensure that species which currently are under stress will remain at the site.

Modest site improvements are included in the project to improve public usage of the sanctuary by redirecting it toward a better facility to observe wildlife. A short marsh trail extension and observation pads incorporated in the design can be provided at minimal additional cost.

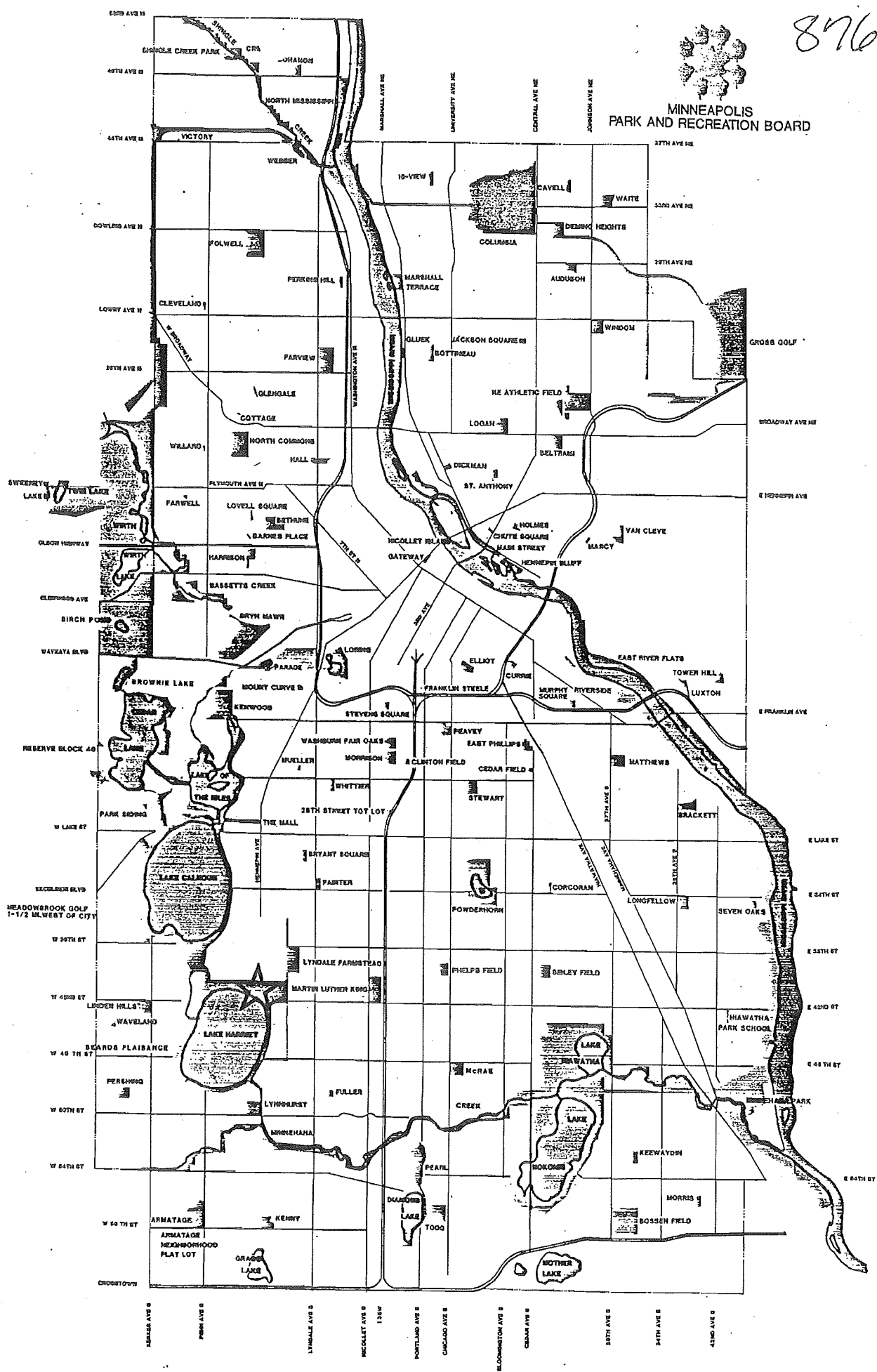


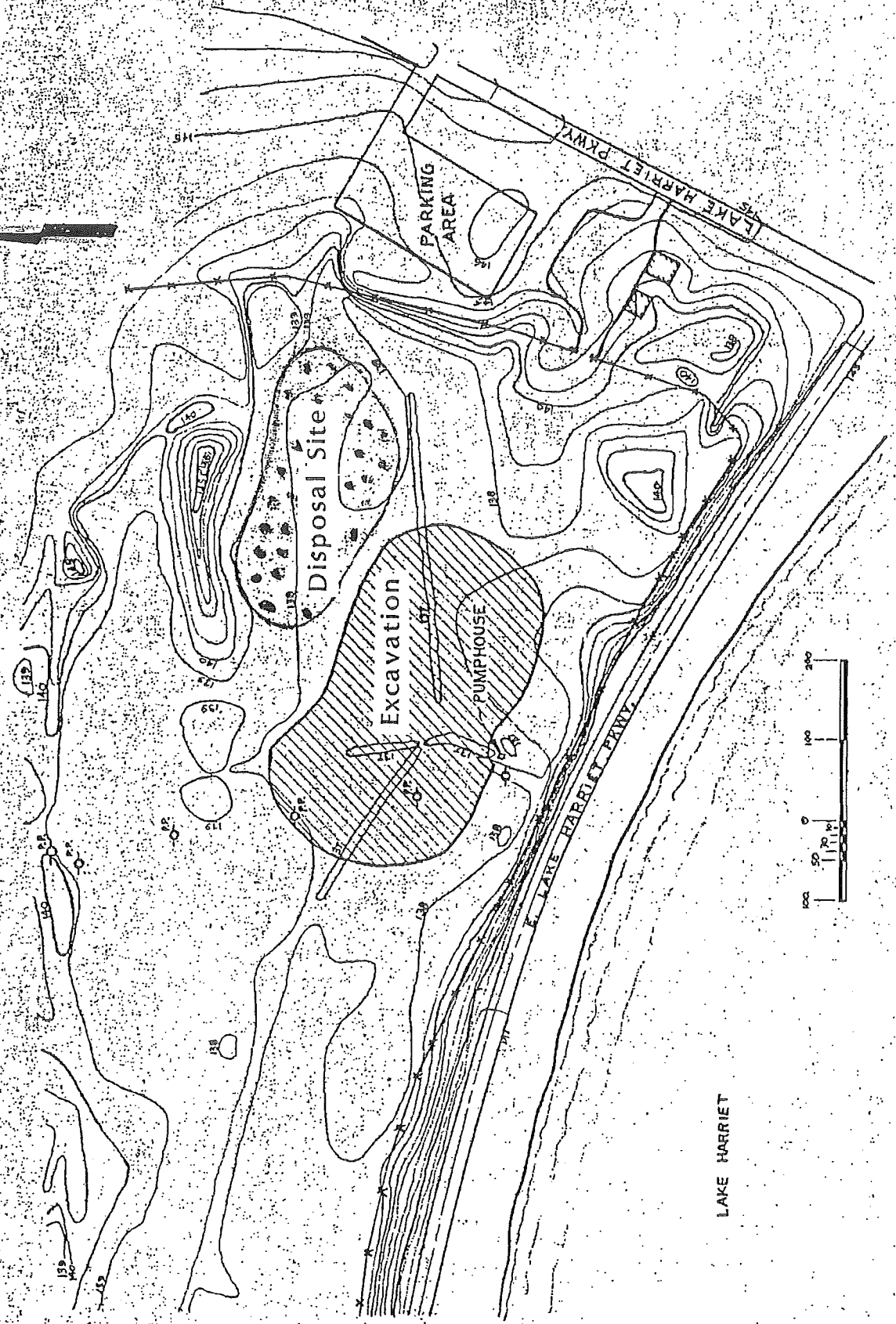
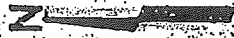
Typical X Section

876131



MINNEAPOLIS
PARK AND RECREATION BOARD





LAKE HARRIET

MPLS. PARK & REC. BOARD
ROBERTS BIRD SANCTUARY
RESTORATION PHASE II

DATE
10-15-86

876131

NATURAL RESOURCE DEVELOPMENT

PROJECT PROPOSALS

Minneapolis Park and Recreation Board
310 Fourth Avenue South
Minneapolis, Minnesota 55415

January 1986

I N D E X

- I. Introduction

- II. Project Prospectus
 - A. Lake Harriet - Roberts Bird Sanctuary: Phase II

- III. Project Analysis Ratings

I. Introduction

NATURAL RESOURCE DEVELOPMENT PROJECTS

Regional Recreation Open Space:

The Minneapolis Park and Recreation Board oversees a regional recreation open space system that includes five parks and four trail systems within the city of boundaries. Wirth Park, the Chain of Lakes, Central Riverfront, Nokomis-Hiawatha Park and Minnehaha are designated regional park areas. Memorial and Minnehaha Parkways, the Mississippi River Lower Gorge and North Mississippi River are designated regional trails. Together the parks and trails comprise 30% of the total land area of the park system with an aggregate land acreage of 4,906 acres and 1,474 acres of water surface.

Beginning in 1976, the Minneapolis Park and Recreation Board initiated a comprehensive planning approach to its major regional park areas. Master plans which inventoried existing facilities, use patterns and environmental conditions were formulated for the Chain of Lakes (1982), Theodore Wirth (1980) and the Mississippi River Lower Gorge (1982). Each master plan identified unique natural resources and set forth basic goals and objectives with the intent to preserve, protect and/or reestablish natural park resources.

Water, vegetation, topography, wildlife and geology are the basic resources of the Minneapolis regional open space system. The project sites identified in this report represent areas where these basic resources are being threatened either by user demand or natural succession.

In 1977, a Metropolitan Park User Study conducted by the Metropolitan Council indicated that the Minneapolis regional park system had 1,750,000 user occasions. The pressures placed on natural resources directly parallel the number of users, and while the intrusions on the resources on a one-time basis may appear minor, the cumulative effect can be major! Compacted turf, broken tree limbs and prolonged use can and has resulted in erosion problems and loss of wildlife habitat.

Not only does man create hazards for the existence of natural resource but so does "mother nature". Floods, droughts, temperature, winds and natural succession all have an effect on the basic eco systems of resource areas. For example, in 1981 a tornado passed through the Lake Harriet area. Trees were uprooted and severely damaged; buildings were demolished; turf areas disrupted. The most severely damaged park land with respect to vegetation was the Roberts Birds Sanctuary. Mature canopy trees were destroyed and understory trees and shrubs disrupted. The impact of the tornado was immediate in terms of the visual character of the sanctuary; the long-term impacts can only be speculated.

The following project proposals represent resource areas where natural succession or "people use" has diminished the integrity of the resource.

II. Project Prospectus

MANAGEMENT PROPOSAL "B" - T. S. ROBERTS

Location:

The Thomas Sadler Roberts Bird Sanctuary is located in the City of Minneapolis, just northeast of Lake Harriet. (see attached map)

Physical Character:

The bird sanctuary is about 13 acres in size and approximately wedge shaped with the broad end oriented eastward. It lies just across Lake Harriet Parkway from the lake itself and may have served as a backwash lowland area prior to development in the 1900's. Presently it is disjunct from the lake and other lowland to the north. Highground exists on the east end and west central portion of the site. These areas are vegetated by a mature canopy of oak/elm, most trees in excess of 20" in diameter. Tornadoic winds have devastated trees on the east end of the site. Destruction of the mature canopy should have marked negative effect on the site's viability as a bird sanctuary. Documented bird lists, compiled over the last 70 years, show a large component of birds which rely on a mature tree canopy for their livelihood. Some of the unique sightings of birds recorded in the metropolitan area have come historically from this facility. Continued status as a unique wildlife resource in the heart of an urban area is contingent upon restoring the vegetative character of the site as quickly and effectively as possible.

Management Plans:

As previously noted, management of the site as a wildlife area of unique stature is predicated on a program of natural resource restoration. Enclosed is a management proposal outlining proposed costs for restoration of the resource and upgrading public usage.

Alternatives:

Site recovery following two natural destructive impacts: Dutch Elm disease, Oak Wilt disease and the tornado which struck the site in 1981, will be slow and somewhat haphazard without the proposed resource recovery management plan which is directed toward a specific ecologic goal. There are no assurances that the site would restore itself in the same successional pattern as that which occurred more than 60 to 100 years ago. Urban land usage and competition from introduced exotic vegetation would leave its mark on the appearance of the site. By restoring the site through controlled tree plantings, portions of the successional pattern can be biased toward a more desirable end. In this case, the unique wildlife resources may be maintained through the proposed restoration process, ensuring that the Roberts Bird Sanctuary continues to serve as a nationally known birding area as well as a regionally significant wildlife area.

II. Project Prospectus (Continued)

Phase I - Planting/Restoration:

A Natural Resource Development Grant was awarded in 1982 for Phase I of the Roberts Sanctuary Project. One hundred and five trees were planted at the site during 1984 and 1985. The project objective, to restore a portion of severely damaged tree canopy, appears to be working as planned. Significant increase in avian usage also appears to be the direct result of restoration efforts. The "canopy-island" concept may result in more program applications elsewhere.

Phase II - Lowland Habitat Restoration:

As part of the overall improvements to the Roberts Sanctuary, lowland marsh habitats are in need of restoration. Currently, about 80% of the site consists of a closed cattail marsh with an increasing swamp loosestrife component. The existence of sizable aggregations of broadleaf cattail within narrowleaf cattail areas suggest that: one, the composition has altered, and two, that the marsh contained larger pockets of open water in historic times. Natural factors such as drought and competition by associated vegetation likely accelerated the typical closed-marsh successional pattern. Accordingly, avian habitat for hydrophilic species dwindled. Restoration of open water habitats will create a more varied avian population and ensure that species which currently are under stress will remain at the site.

Modest site improvements are included in the project to improve public usage of the sanctuary by redirecting it toward a better facility to observe wildlife. A short marsh trail extension and observation pads incorporated in the design can be provided at minimal additional cost.

COST SCHEDULE

Phase I * completed

- 1) Planning & Design
 - field preparation, bid specifications @ \$1,500
- 2) Planting Contract
 - placement of 105 trees @ \$24,290
- 3) Follow-up
 - field inspection @ \$1,000

TOTAL: \$26,790

Phase II

- 1) Planning & Design
 - field preparation, bid specifications @ \$1,500
- 2) Construction
 - water openings: 0.9 acres @ \$22,000; 0.7 acres @ \$18,000
 - marsh walk and observation pads: 1 - 600' base, 4 - 20 x 20' pads @ \$1,500
- 3) Amenities
 - signage @ \$1,200
 - structures @ \$5,300

TOTAL: \$49,500

II. Project Prospectus (Continued)

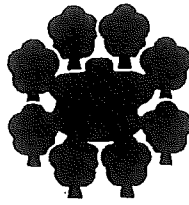
ANTICIPATED PROJECT SCHEDULE

Phase II

- | | |
|----------------------|------------------------------|
| 1) Planning & Design | January 1986 - November 1986 |
| 2) Construction | November 1986 - April 1987 |
| 3) Amenities | February 1987 - May 1987 |

Follow-Up

Additional tree plantings and other vegetative treatment may be warranted following completion of Phase II. Such work will be undertaken as part of the future management plans for the sanctuary. The Minneapolis Park and Recreation Board is currently in the process of acquiring water control equipment, in situ, from the Minnesota Department of Natural Resources. Further, the Minneapolis Park and Recreation Board is committed to upgrade and/or modify such equipment as needed to effect the management of the site.



MINNEAPOLIS
PARK & RECREATION BOARD

October 31, 1985

Mr. Bruce Gilbertsen
Fisheries Supervisor
DNR Region 6
1200 Warner Road
St. Paul, Minnesota 55106

Re: Fisheries Equipment, Northeast Lake Harriet

Dear Bruce:

The Minneapolis Park Board is interested in utilizing pumping equipment and control structures which were installed by the DNR Fisheries at northeast Lake Harriet in the early 1960's. As you know, this area is a bird sanctuary with some open water. The equipment has been used by Minneapolis Park and Recreation Board staff to manage water elevations within the site.

We are planning to develop some open water ponds within what is now a closed marsh. The pumping equipment will enable us to control water input. The outlet structure can be made operational to control water output to Lake Harriet.

The Park Board would like to obtain the existing DNR equipment. We hope that a simple transfer of ownership could be accomplished. However, if that is not likely, we would also consider outright purchase at salvage cost or some other arrangements agreeable to both parties.

Please keep me updated on the progress of this request so that we can respond accordingly.

President:
Patricia D. Baker

Vice President:
Tom Baker

Commissioners:
Nancy L. Anderson
Walter Bratt
Dale W. "Skip" Gilbert
Patricia Hillmeyer
William Holbrook
Naomi Loper
Scott Neiman

Secretary:
Del Green

Superintendent:
David L. Fisher

Sincerely,

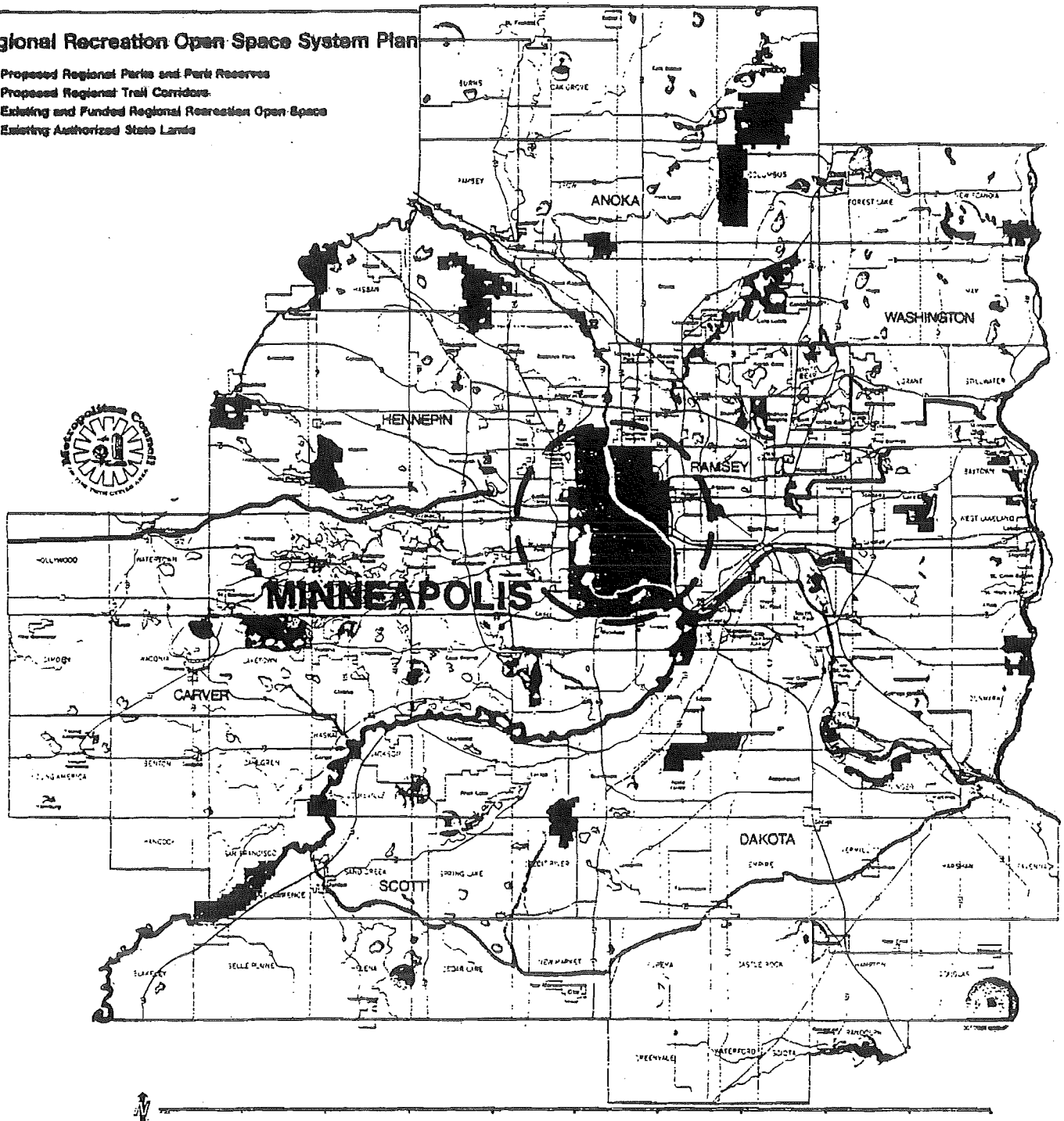
Michael P. Ryan
Coordinator of Environmental Education

MPR:dm

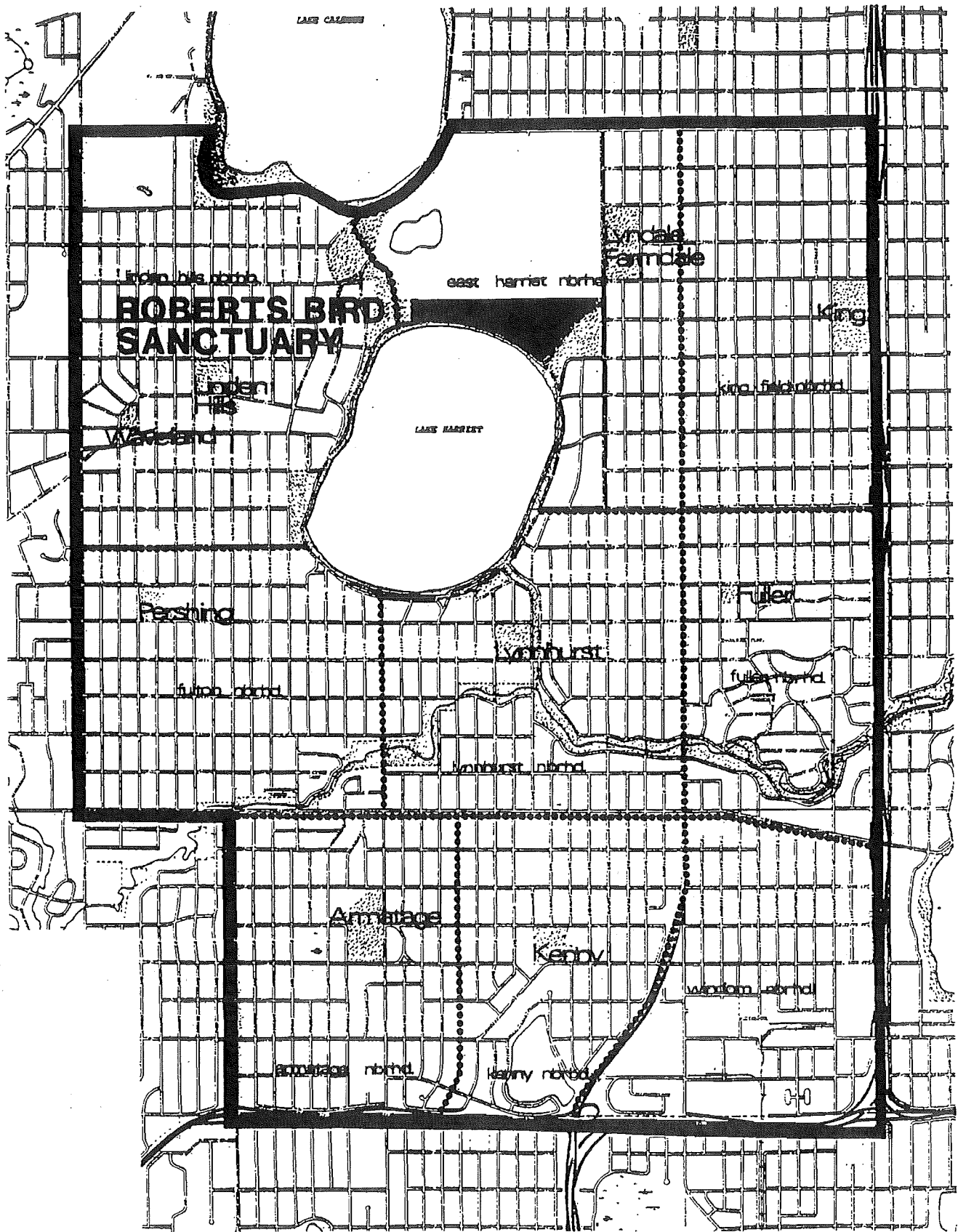
cc: Jim Groebner
Habitat and Development Coordinator
Minnesota DNR

Regional Recreation Open Space System Plan

- Proposed Regional Parks and Park Reserves
- Proposed Regional Trail Corridors
- Existing and Funded Regional Recreation Open Space
- Existing Authorized State Lands



REGIONAL LOCATION MINNEAPOLIS PARK AND RECREATION BOARD



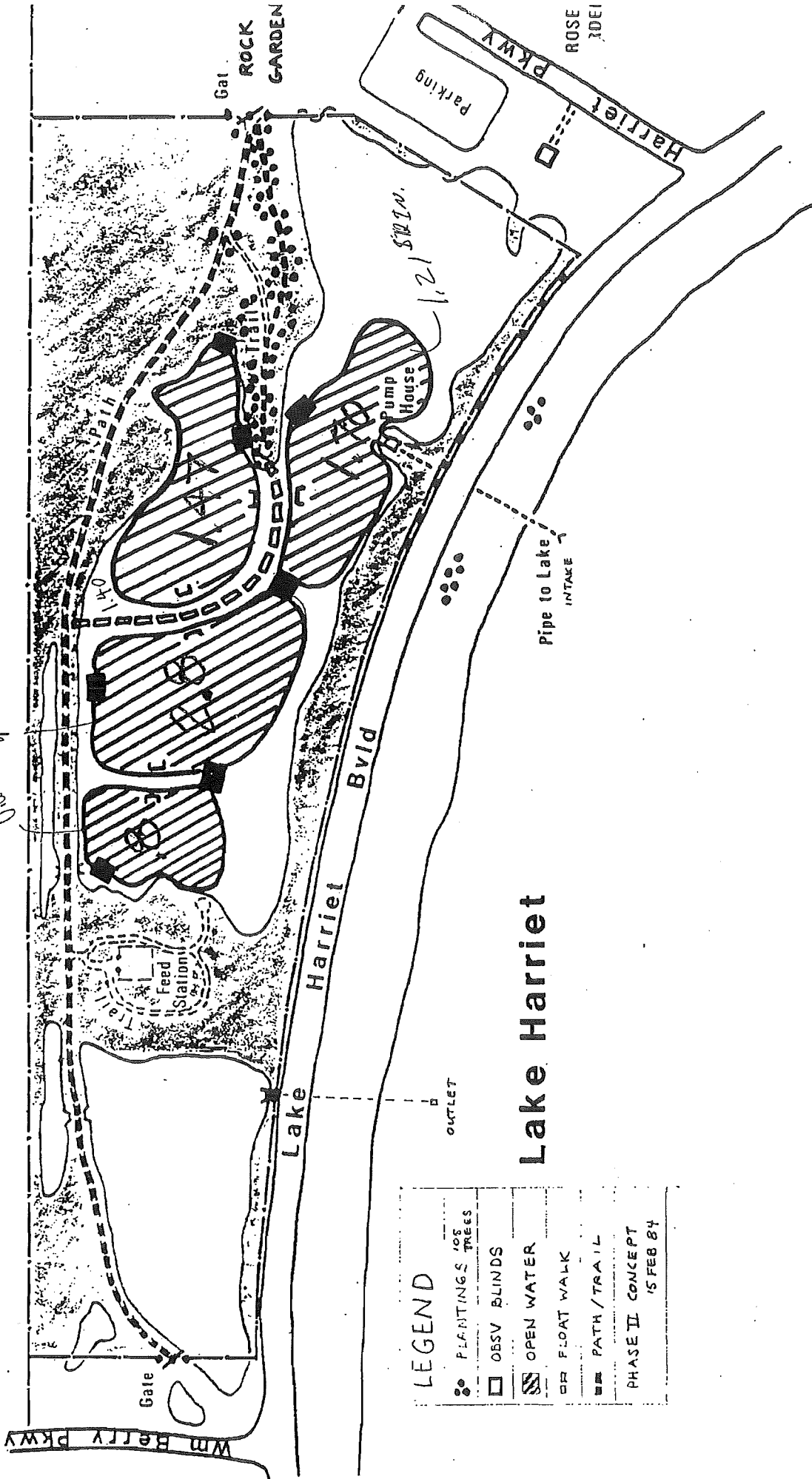
PROJECT B LOCATION

MINNEAPOLIS PARK AND RECREATION BOARD

City Planning Department
 Office of the Mayor
 210 City Hall 348-2227

0 100 200 300 400
 SCALE IN FEET

Lakewood Cemetary



LEGEND

- PLANTINGS OF TREES
- OBSV BLINDS
- ▨ OPEN WATER
- ▤ OR FLOAT WALK
- ▧ PATH/TRAIL

PHASE II CONCEPT
15 FEB 84

T.S.ROBERTS BIRD SANCTUARY

RVS0:roseps

ROBERTS BIRD SANTUARY
REFORESTATION PLAN 10/31-83
 NO SCALE

FLOOD PLAIN ASSOCIATION

- 5 SVM Silver Maple - 3"
- 7 GAS Green Ash - 3"

MIXED GAP/WILDLIFE PLANTINGS

- 5 JNB Juneberry - 9'-10' tall
- 7 PBR Paper Birch - 3"
- 5 HBY Hackberry - 4"

OAK WOODS ASSOCIATION

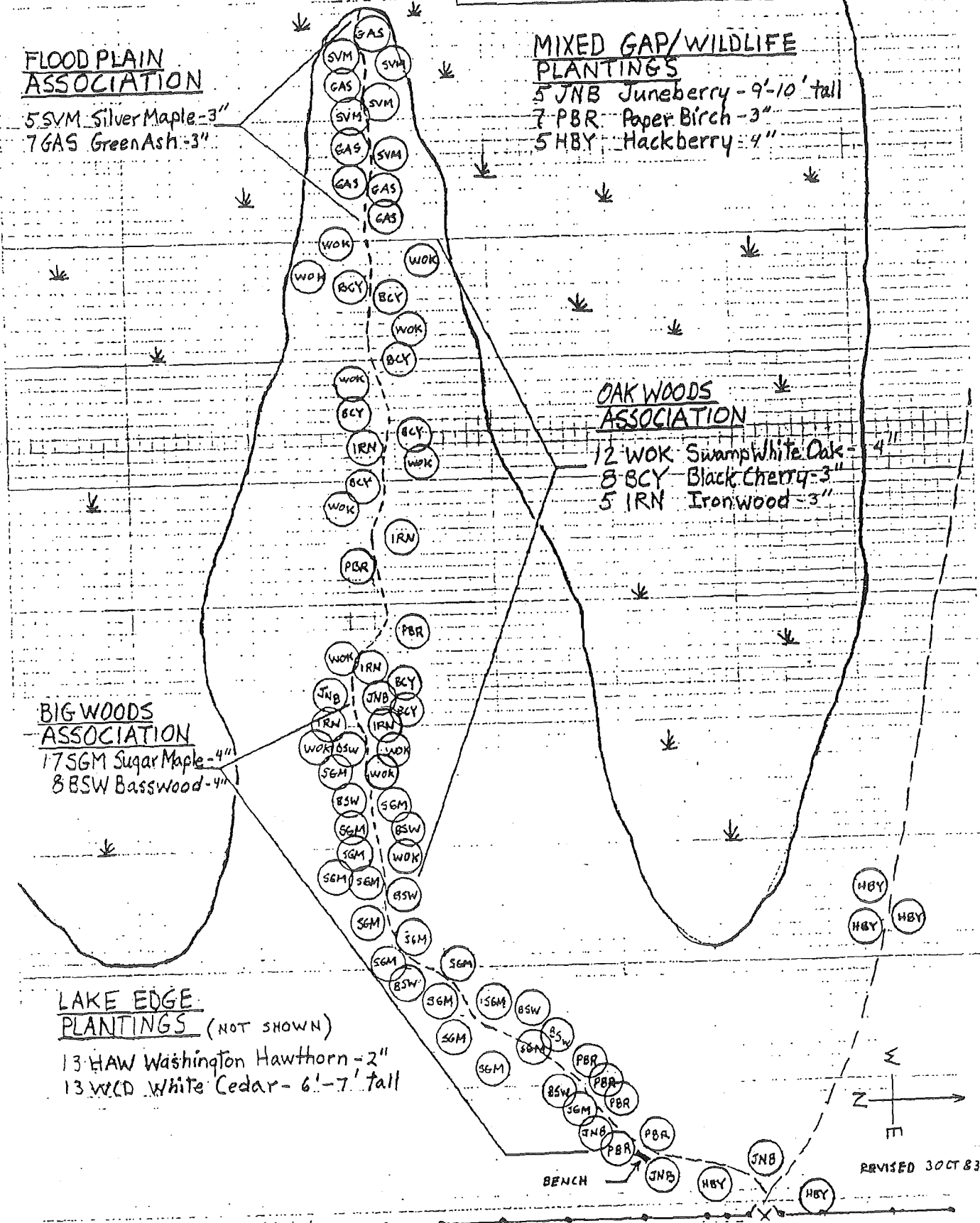
- 12 WOK Swamp White Oak - 4"
- 8 BCY Black Cherry - 3"
- 5 IRN Ironwood - 3"

BIG WOODS ASSOCIATION

- 17 SGM Sugar Maple - 4"
- 8 BSW Basswood - 4"

LAKE EDGE PLANTINGS (NOT SHOWN)

- 13 HAW Washington Hawthorn - 2"
- 13 WCD White Cedar - 6'-7' tall



REVISED 30 OCT 83

EVALUATION AND RANKING CRITERIA FOR
NATURAL RESOURCE DEVELOPMENT GRANTS, ROUND II

Qualification and Project List:

In order to qualify for natural resource development grants, projects must be in a regional recreation open space system component covered by a current approved master plan. The project should be in or related to a quality resource area (usually designated as a conservation zone or "80% wild land" in the unit master plan). The limit of funds for any given proposal in the second round of grants will be \$40,000. This amount recognizes the need for an increase from the \$25,000 limit of the first round of grants yet provides funding for at least 10 projects. Applications must include a complete background of the proposal, including project description, cost estimates, maintenance provisions, and a map of the project area.

Ranking Criteria

I. Preservation of native landscape and native ecosystems (20 points).

A. Project is based upon a sound natural resource analysis?

<u>Yes</u>	<u>5 pts.</u>
No	0 pts.

B. Project fits Metropolitan Council staff geomorphic region (landscape type) and ecosystem analysis of 1981?

- | | |
|---|----------------|
| 1. Fits both landscape type and ecosystem prescriptions | <u>15 pts.</u> |
| 2. Fits one but not the other | 10 pts. |
| 3. Fits neither but should be awarded points for the following reasons (detail) | 5 pts. |
| 4. Does not fit | 0 pts. |

II. Benefit to system in terms of abundance or scarcity of affected resource (15 points).

Sum of A and B or A and C.

A. The affected landscape type(s) (geomorphic region) is,

- | | |
|--|----------------|
| 1. Extensive | 2 pts. |
| 2. Adequate | 4 pts. |
| 3. Scarce | 8 pts. |
| 4. Unique (long historic record of avian value) | <u>10 pts.</u> |

in its representation in recreation open space.

B. The affected ecosystem(s) (biotic communities) is,

- | | |
|------------------|---------------|
| 1. Extensive | 1 pt. |
| 2. Adequate | 2 pts. |
| 3. Scarce | 4 pts. |
| 4. Unique | <u>5 pts.</u> |

in its representation in recreation open space.

C. The project affects only a single species (or small group of species) and it is,

- | | |
|-------------|--------|
| 1. Abundant | 1 pt. |
| 2. Adequate | 2 pts. |
| 3. Scarce | 4 pts. |
| 4. Unique | 5 pts. |

in its representation in recreation open space.

III. Probable environmental (resource) impacts of the project (20 points).

A. The project will aid existing:

- | | |
|--|----------------|
| 1. Native ecosystems on native landscape features | 20 pts. |
| 2. Native landscape or native ecosystems (relict harwood and marsh ecosystem) | <u>10 pts.</u> |
| 3. Native species | 8 pts. |

B. The project will positively affect by their reintroduction (where they used to occur):

- | | |
|-------------------------------|---------------|
| 1. Native ecosystem(s) | <u>5 pts.</u> |
| 2. Native species | 4 pts. |

C. The project will affect by introduction (there is no evidence of previous occurrence in the project area) of:

- | | |
|--|---------------|
| 1. Native ecosystem or species | <u>3 pts.</u> |
| 2. Exotic ecosystem or species (explain benefits of exotics) | 2 pts. |

D. The project may produce negative environmental impacts, the are: (explain, include extenuations and mitigations) **temporary, during construction**

2 pts.

IV. Probable impacts of this project on recreation use (20 points).

A. **The site will be a better recreation resource because . . . detail . . . (upgrade recreational use)**

20 pts.

B. The site's recreation use and capacity will not be changed.

12 pts.

C. The site will lose recreation value, but the project confers other benefits, (details are. . .?)

8 pts.

D. The site will lose recreation value.

0 pts.

V. Consequences if the project is not carried out (10 pts.)

A. An existing resource will disappear,

- | | |
|---|----------------|
| 1. Requiring future reintroduction | 6 pts. |
| 2. Making future restoration unlikely | 8 pts. |
| 3. Probably not to return and excluding other benefits as well (details are. . .?) (may degrade avian utility through habitat loss by negative succession) | <u>10 pts.</u> |

- B. An existing resource may persist,
1. For a short while (estimate), then disappear 8 pts.
 2. For some time, but in decreasing quality 6 pts.
 3. With little or no change 4 pts.
- C. Introduction/reintroduction will not take place,
1. Not providing the anticipated resource 4 pts.
 2. Also excluding the related benefits (describe) 6 pts.

VI. Operation and maintenance of project after initial implementation (10 points).

- A. **An O&M plan for the project is prepared and the agency is committed to operating and maintaining the project area.** 10 pts.
- B. An O&M plan will be prepared and carried out by agency staff or a consultant. 5 pts.


VII. Documentation of estimated development cost (5 points).

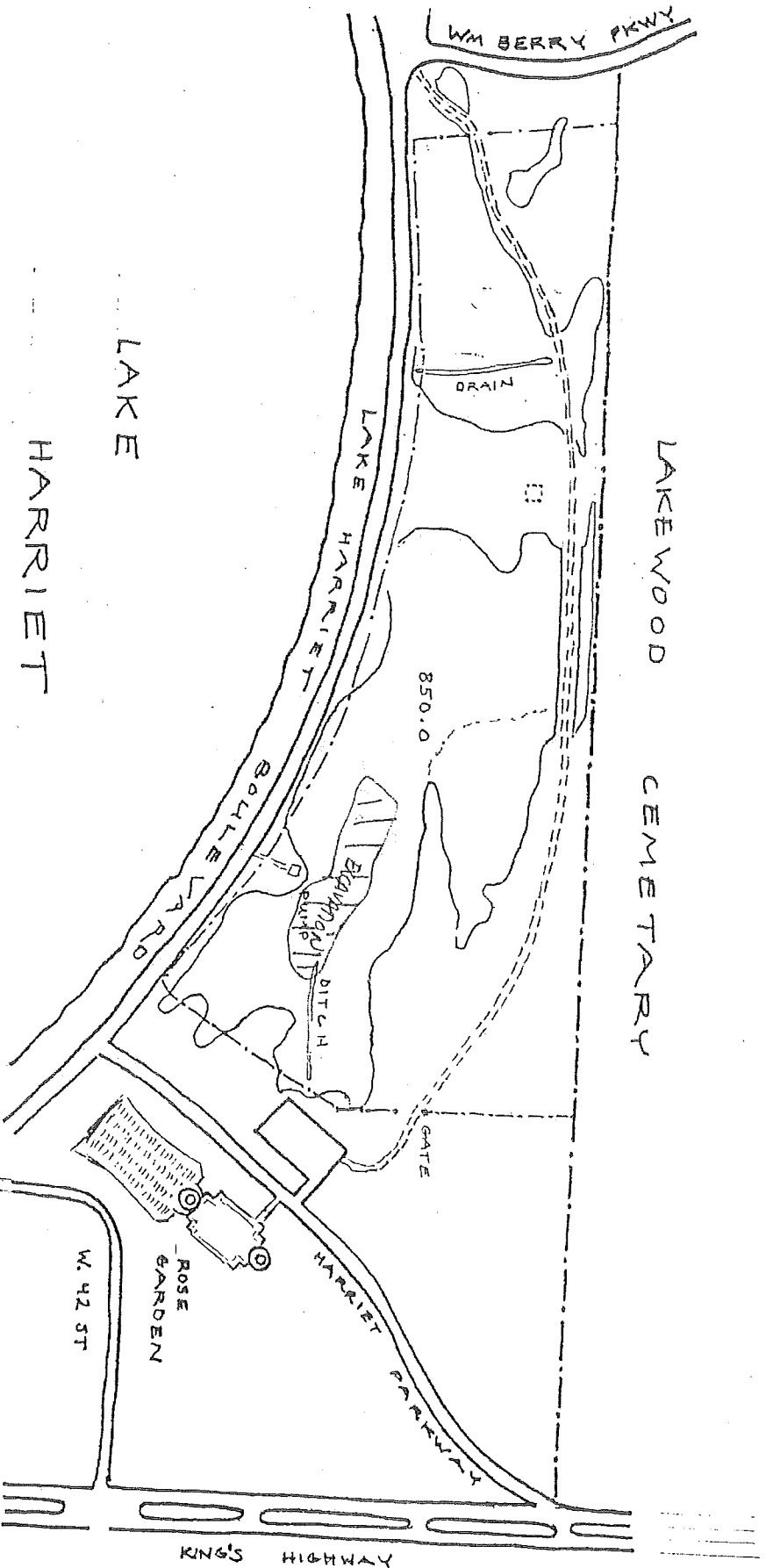
- A. **Total cost of this project is estimated to be \$49,500** 1 pt.
- B. **Requested regional share of this cost is \$40,000** 1 pts.
- C. **Other sources of financial support for the project, and their share of costs are . . . (20% Fund 14 and outside grants)** 3 pts.

Best possible score is 100 points. Each point represents 1 percent of the total score possible.

I.	20 points
II.	15 points
III.	20 points
IV.	20 points
V.	10 points
VI.	10 points
VII.	<u>5 points</u>
	100 points

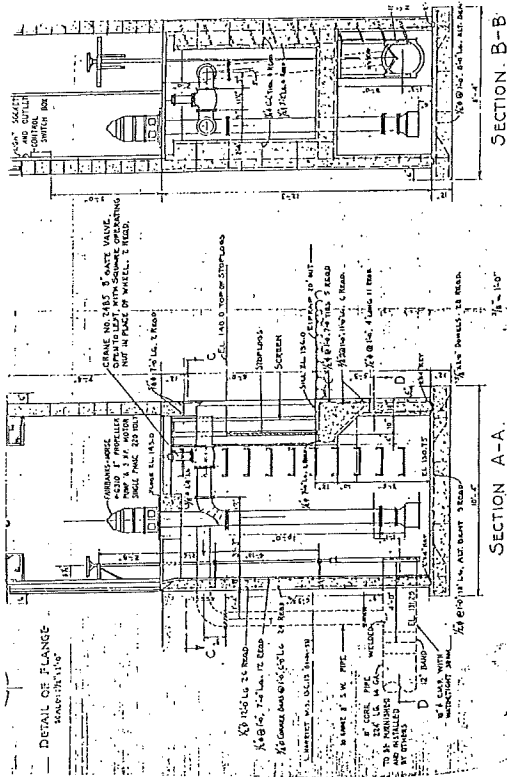
T.S. ROBERTS WILDLIFE
SANCTUARY

GENERAL AREA OF EXCAVATION 
 GENERAL SPOIL LOCATION
 POSSIBLE POND LOCATION
 POSSIBLE FUTURE EXPANSION



NR 3-80
A 148-1

NOV 1930
 REGION VI
 WATERS



MINNESOTA CONSERVATION DEPARTMENT
 DIVISION OF GAME AND FISH
 TOPOGRAPHIC MAP

HARRIET LAKE SPAWNING AREA

APPROVED: [Signature]
 SUPERVISOR

DESIGNED BY: [Signature]
 ENGINEER

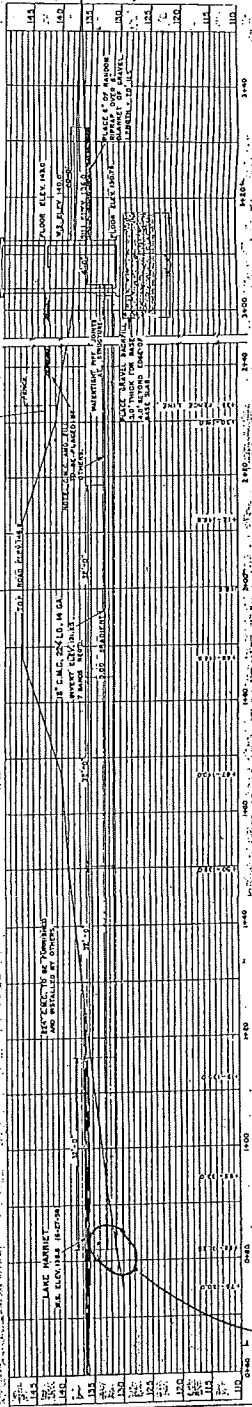
DATE: 11-19-30

MINNESOTA CONSERVATION DEPARTMENT
 DIVISION OF GAME AND FISH
 HARRIET LAKE SPAWNING AREA

T. 28 N. R. 24 W. 4TH E. ND
 SEC. 3 COR. 2-23-39
 ENGINEERING
 DATE: 11-19-30

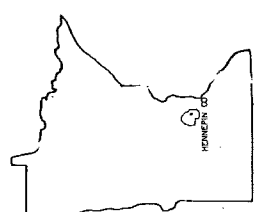
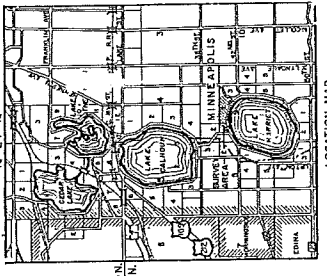
BORING LOG

DEPTH	DESCRIPTION
100	...
110	...
120	...
130	...
140	...
150	...
160	...
170	...
180	...
190	...
200	...



INV = 131.0 CITY DATUM
 710.3
 841.3 M.S.L.

R. 24 W.
T. 28N.
T. 28E.

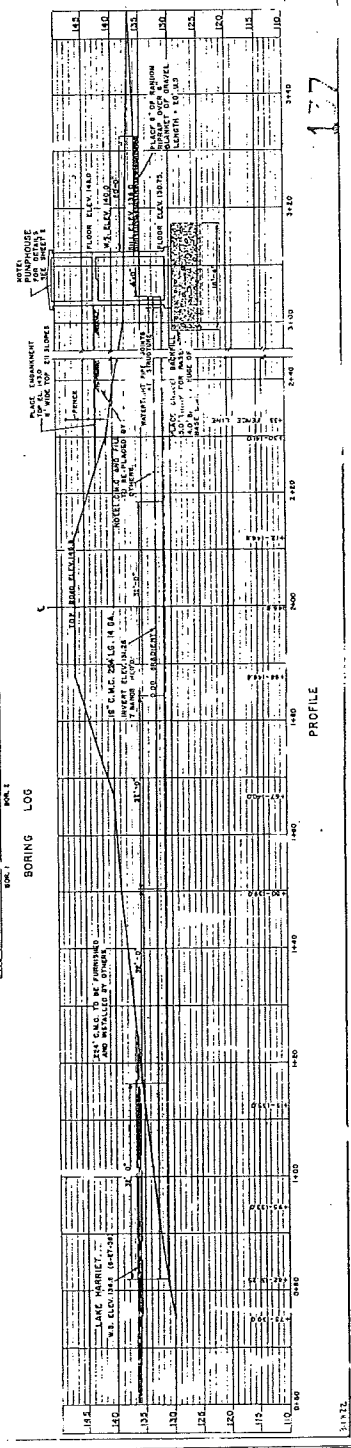
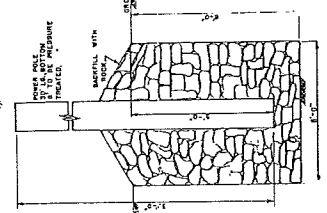
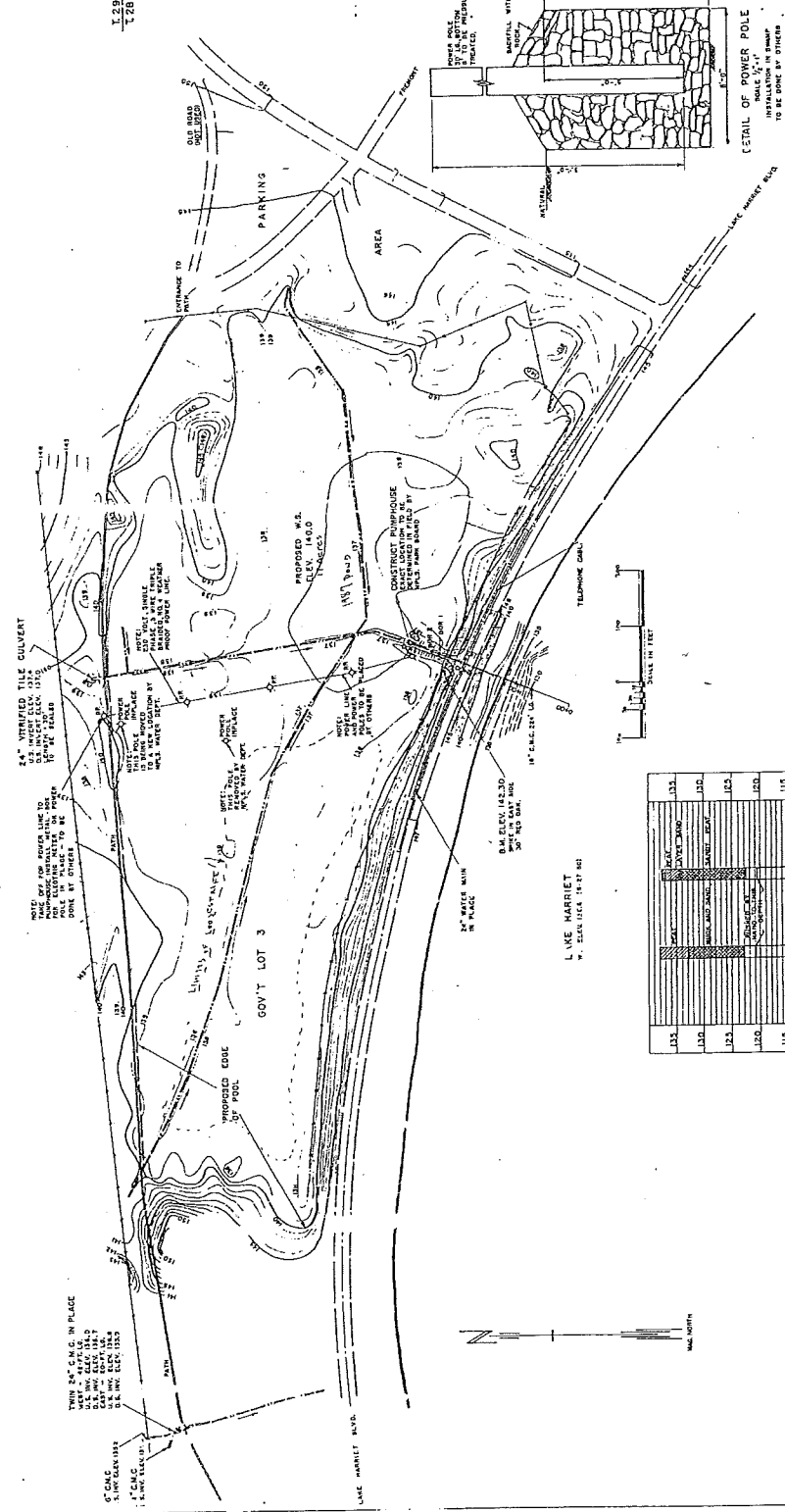


IMPORTANT NOTE
VERIFY ALL DIMENSIONS AND LOCATIONS IN THE FIELD UPON EXCAVATION. DIMENSIONS SHOWN ON THIS DRAWING ARE TO BE CONSIDERED UNLESS OTHERWISE SPECIFIED.

IMPORTANT NOTE
ALL NECESSARY EXERCISES, PERMITS AND RIGHTS OF WAY ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGNER IS NOT RESPONSIBLE FOR OBTAINING THESE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THESE ITEMS.

Lyndale Park 18-137

MINNESOTA CONSERVATION DEPARTMENT	
DIVISION OF GAME AND FISH	
TOPOGRAPHIC	
HARRIET LAKE SPA-NING AREA	
DATE: 11-18-1937	DRAWN BY: [Signature]
SCALE: 1" = 100'	CHECKED BY: [Signature]
BY: [Signature]	DATE: 11-18-1937



177

Plant Report

Number 62 Thomas Sadler Roberts' Bird Sanctuary

Planting Location Thomas Sadler Roberts Bird Sanctuary

Planting Event	Scientific Name	Common Name	Group	Comment
9/5/1979 Fall Assessment	Fall assessment conducted by Mike Ryan - Environmental Education Coordinator - found in hard copy files			
	<i>A hybridus</i>	Green Amaranth	Forbs	
	<i>Acer negundo</i>	Box Elder	Trees	
	<i>Acer Saccharinum</i>	Silver Maple	Trees	
	<i>Acer Saccharum</i>	Sugar Maple	Trees	
	<i>Amaranthus retroflexus</i>	Pigweed	Forbs	
	<i>Ambrosia artemisiifolia</i>	Ragweed	Forbs	
	<i>Amelanchier Spp.</i>	Juneberries	Shrubs	
	<i>Anemone cylindrica</i>	Candle anemone	Forbs	
	<i>Arctium minus</i>	Common Burdock	Forbs	
	<i>Avena fatua</i>	Wild Oats	Grasses and Sedges	
	<i>Barbarea vulgaris</i>	Yellow Rocket	Forbs	
	<i>Bidens frondosa</i>	Beggar's Ticks	Forbs	
	<i>Carex Spp.</i>	Sedge Species	Grasses and Sedges	
	<i>Celastus scandens</i>	Bittersweet	Vines	
	<i>Celtis Occidentalis</i>	Hackberry	Trees	
	<i>Chenopodium murale</i>	Goosefoot	Forbs	
	<i>Circaea Lutetiana</i>	Enchanter's Nightshade	Forbs	
	<i>Cirsium discolor</i>	Field Thistle	Forbs	
	<i>Cirsium arvense</i>	Canada Thistle	Forbs	
	<i>Cirsium muticum</i>	Swamp Thistle	Forbs	
	<i>Convolvulus sepium</i>	Bindweed	Vines	
	<i>Conyza canadensis</i>	Horseweed	Forbs	
	<i>Desmodium canadense</i>	Stick Trefoil	Forbs	
	<i>Echinocystis lobata</i>	Wild cucumber	Forbs	
	<i>Eupatorium maculatum</i>	Joe Pye Weed	Forbs	
	<i>Eupatorium Rugosum</i>	White Snakeroot	Forbs	
	<i>Fraxinus Pennsylvanica</i>	Green Ash	Trees	
	<i>Glechoma hederacea</i>	Creeping Charlie	Forbs	
	<i>Helenium autumnale</i>	Sneezeweed	Forbs	
	<i>Hieracium pratense</i>	Hawkweed	Forbs	
	<i>Impatiens Capensis</i>	Spotted Touch-Me-Not, Je	Forbs	
	<i>Iris shrevei</i>	Iris	Forbs	
	<i>Laportea Canadensis</i>	Wood Nettle	Forbs	
	<i>Leonurus cardiaca</i>	Motherwort	Forbs	
	<i>Lonicera tartarica</i>	Honeysuckle	Shrubs	
	<i>Lythrum salicaria</i>	Loosestrife	Forbs	
	<i>Morus alba</i>	White Mulberry	Trees	
	<i>Parthenocissus quinquefolia</i>	Virginia Creeper	Vines	
	<i>Polygonum lapathifolium</i>	Dock-leaved smartweed	Forbs	
	<i>Populus Deltoides</i>	Cottonwood	Trees	
	<i>Quercus bicolor</i>	White Oak	Trees	
	<i>Quercus Ellipsoidalis</i>	Northern Pin Oak	Trees	
	<i>Quercus Rubra</i>	Red Oak	Trees	
	<i>Rhamnus cathartica</i>	Common Buckthorn	Shrubs	
	<i>Rhumnus rathartica</i>	European Buckthorn	Trees	
	<i>Rhus radicans</i>	Poison Ivy	Vines	

Rubus idaeus	Red Raspberry	Shrubs
Salix Nigra	Black Willow	Trees
Sambucus Pubens	Red-Berried Elder	Shrubs
Setria viridis	Green Foxtail	Grasses and Sedges
Solidago Flexicaulis	Zigzag Goldenrod	Forbs
Solidago gigantea	Giant goldenrod	Forbs
Sonchus arvensis	Sow Thistle	Forbs
Taraxacum officinale	Dandelion	Forbs
Thalictrum Dasycarpum	Purple Meadow Rue	Forbs
Tilia Americana	Basswood	Trees
Ulmus americana	American Elm	Trees
Ulmus Rubra	Slippery Elm	Trees
Urtica Dicoica	Stinging Nettle	Forbs
Viola spp	Violets	Forbs
Vitis Riparia	Riverbank Grape	Vines
Zanthoxylum Americanum	Prickly Ash	Shrubs

10/17/1993 Bird Sanctuary Entran purchased from Bachmans by Lerman installed by forestry

Acer rubrum	Red Maple	Trees
Amelanchier arborea	Serviceberry, Downy	Shrubs
Cornus alternifolia	Pagoda Dogwood	Trees
Cornus racemosa	Gray Dogwood	Trees
Ostrya Virginiana	Ironwood	Trees
Viburnum lentago	Nannyberry Viburnum	Shrubs

8/10/1994 Don Kist Survey Don Kist, Mary Lerman - East Parking Lot Planters

Agastache Foeniculum	Anise Hyssop	Forbs
Allium stellatum	Wild Onion	Forbs
Artemisia ludoviciana	Western Prairie Sage	Forbs
Asclepias verticillata	Whorled Milkweed	Forbs
Baptisia australis	Wild Blue Indigo	Forbs
Baptisia tinctoria	Wild Indigo	Forbs
Cassia fasciculata	Partridge Pea	Forbs
Ceanothus Americanus	New Jersey Tea	Forbs
Erigeron annuus	Daisy Fleabane	Forbs
Eryngium Yuccifolium	Rattlesnake Master	Forbs
Heliopsis helianthoides	Ox-eye	Forbs
Liatris scariosa	Rough Blazing Star	Forbs
Liatris spicata	Dense Blazing Star	Forbs
Lobelia Siphilitica	Great Blue Lobelia	Forbs
Prenanthes alba	Rattlesnake Root	Forbs
Pycnanthemum tenuifolium	Moutain Mint	Forbs
Rudbeckia Hirta	Black-eyed Susan	Forbs
Silphium integrifolium	Rosinweed	Forbs
Solidago graminifolia	Lance-leaved Goldenrod	Forbs
Sorghastrum nutans	Indian Grass	Grasses and Sedges
Spirea alba	Meadow sweet	Forbs
Tradescantia virginiana	Spiderwort	Forbs
Verbena stricta	Hoary Vervain	Forbs
Zizia Aurea	Golden Alexanders	Forbs

6/1/1995 Triangular Plantings a Triangular plantings at Lyndale Parking Lot entrance to Thomas Sadler Roberts Bird Sanctuary Visitor's Shelter

Agastache Foeniculum	Anise Hyssop	Forbs
Allium stellatum	Wild Onion	Forbs
Artemisia ludoviciana	Western Prairie Sage	Forbs
Asclepias verticillata	Whorled Milkweed	Forbs
Baptisia australis	Wild Blue Indigo	Forbs
Baptisia tinctoria	Wild Indigo	Forbs

Cassia fasciculata	Partridge Pea	Forbs
Ceanothus Americanus	New Jersey Tea	Forbs
Eryngium Yuccifolium	Rattlesnake Master	Forbs
Heliopsis helianthoides	Ox-eye	Forbs
Liatris Ligulistylis	Meadow Blazing Star	Forbs
Liatris scariosa	Rough Blazing Star	Forbs
Liatris spicata	Dense Blazing Star	Forbs
Lobelia Siphilitica	Great Blue Lobelia	Forbs
Prenanthes alba	Rattlesnake Root	Forbs
Pycnanthemum tenuifolium	Moutain Mint	Forbs
Rudbeckia Hirta	Black-eyed Susan	Forbs
Silphium integrifolium	Rosinweed	Forbs
Solidago graminifolia	Lance-leaved Goldenrod	Forbs
Sorghastrum nutans	Indian Grass	Grasses and Sedges
Spirea alba	Meadow sweet	Forbs
Tradescantia virginiana	Spiderwort	Forbs
Verbena stricta	Hoary Vervain	Forbs
viburnum lantana	Mohican viburnum	Shrubs
Zizia Aurea	Golden Alexanders	Forbs

5/1/2003 Tree and Shrub Planti Lake Harriet School, 765 woody plants

Abies balsamea	Balsam fir	Trees
Acer rubrum	Red Maple	Trees
Acer Saccharum	Sugar Maple	Trees
Amelanchier alnifolia	Saskatoon Sericeberry	Shrubs
Betula nigra	River Birch	Trees
Betula papyrifera	Paper Birch	Trees
Cephalanthus occidentalis	Buttonbush	Shrubs
Cornus racemosa	Grey Bark Dogwood	Shrubs
Fraxinus Nigra	Black Ash	Trees
Larix Laricina	Tamarack	Trees
Picea mariana	Black Spruce	Trees
Prunus Serotina	Black Cherry	Trees
Prunus Virginiana	Chokecherry	Shrubs
Quercus bicolor	White Oak	Trees
Quercus velutina	Black Oak	Trees
Salix ?	Red Willow	Shrubs
Taxodium distichum	Bald cypress	Trees
Tsuga canadensis	Hemlock	Trees
Viburnum dentatum	Arrowwood viburnum	Shrubs
Viburnum opulus	American highbush cranb	Shrubs

7/22/2003 Teen Team Works PI TTW planting in ne section of sanctuary

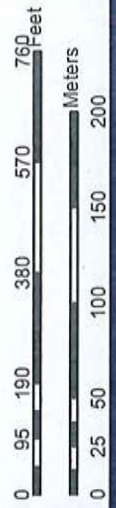
Tsuga canadensis	Hemlock	Trees	96 seedlings in ne section planted
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Roberts Bird Sanctuary Tree and Shrub Planting May 1, 2003



Roberts Bird Sanctuary Tree and Shrub Legend

- Roberts Bird Sanctuary Boundary
- 10 Balsam Fir *Abies balsamea*
- 35 Button Bush *Cephaanthus occidentalis*
- 07 Red Maple *Acer rubra*
- 20 Sugar Maple *Acer saccharum*
- 23 June Berry *Amelanchier alnifolia*
- 14 River Birch *Betula nigra*
- 36 Paper Birch *Betula papyrifera*
- 11 Chokecherry *Prunus virginiana*
- 21 Swamp White Oak *Quercus bicolor*
- 09 Black Ash *Fraxinus nigra*
- 88 Tamarack *Larix laricina*
- 89 Black Spruce *Picea mariana*
- 16 Flame Willow *Salix alba 'Flame'*
- 11 Black Oak *Quercus velutina*
- 19 Arrowwood *Viburnum dentatum*
- 11 American Highbush Cranberry *Viburnum opulus*



Diseased and Infested Tree Management

There are three tree pest problems that are either occurring or will likely occur in the Sanctuary. These are Dutch elm disease, oak wilt, and emerald ash borer. Invasive tree pests, such as gypsy moth and Asian longhorned beetle, may also eventually affect trees in Minneapolis and the Sanctuary, but do not currently pose an imminent threat.

Dutch Elm Disease

Dutch elm disease (DED) affects primarily American elms and has been present in Minneapolis since the 1960s. This fungal disease is transmitted to elm trees when the elm bark beetle feeds on the twigs of elm trees. Once an elm is infected with the disease, the fungus can move into adjacent trees through root grafts.

Elms in the Sanctuary are regularly monitored for the presence of DED by Tree Inspectors working in the Forestry Division. When DED is found, these trees are marked and removed in a timely manner. Diseased elm removal takes place throughout the summer and into the fall.

The MPRB Forestry Division has successfully slowed the spread of DED by quickly removing infected elm trees. Quickly removing infected trees controls the population of the elm bark beetle which indirectly lessens the frequency of the disease.

Oak Wilt

Oak wilt is a fungal disease that affects all species of oak but is much more destructive to the red oak group than the white oak group. It has been present in Minnesota since the 1950s and has become well established in the southern half of the state. The primary means of transmission for oak wilt is through root grafts. Large tracts of oak trees are most susceptible to oak wilt fungus as it is easily spread through root grafts. The secondary method of spread is by sap-feeding beetles that are drawn to oak trees that are injured during April, May and June. The MPRB Forestry Division emphasizes the importance of avoiding injury to oak trees during these months to prevent oak wilt.

Forestry Division Tree Inspectors look for symptoms of oak wilt while performing their duties during summer months. When the disease is found, a determination is made as to the course of action to take. Often this means removing diseased trees in a timely manner and properly disposing of the wood. Prompt removal reduces breeding sites of the sap-feeding beetle which results in fewer insects spreading the disease.

The more costly and sometimes difficult means of controlling oak wilt is through root graft interruption. This is purely a mechanical interruption of interconnected roots that is done with a vibratory plow before infected trees are removed. The machine cuts a narrow 54 inch deep slit in the soil to sever the grafts. By cutting the roots, the disease cannot spread to healthy trees that may share root grafts with infected trees.

Oak wilt has not killed a significant number of trees in Minneapolis; however, it has impacted oak trees in isolated areas near the Eloise Butler Wildflower Garden and Bird Sanctuary and along the Mississippi River gorge. The presence of oak trees means that there is a possibility for oak wilt to negatively impact the Sanctuary.

