



US Army Corps  
of Engineers  
St Paul District

APPLICANT: Rice Creek Watershed  
District

# Public Notice

ISSUED: 05 January 2016

EXPIRES: 04 February 2016

REFER TO: 2009-02961-ADB

SECTION: 404 - Clean Water Act

1. APPLICATION FOR PERMIT to discharge dredged and fill material into 12.75 acres of wetland for the purposes of excavating accumulated sediments for water quality, improved recreation, flood storage benefits, modification of the dam structure to increase live and dead storage volumes for flood control and water quality treatment. The proposed project also includes the installation of an iron-enhanced sand filter, removal and construction and repair of a flood control berm and trail improvements on the west and north sides of the park. Of the 12.75 acres of impact, 11.48 acres are associated with excavation of accumulated sediment and reshaping of pond to benefit flood control both on site and downstream.

## 2. SPECIFIC INFORMATION.

APPLICANT'S ADDRESS: Rice Creek Watershed District  
Attn: Mr. Kyle Axtell  
4325 Pheasant Ridge drive NE #611  
Blaine, Minnesota 55449

PROJECT LOCATION: The project site is located in Section 29, Township 30 North, Range 23 West, Ramsey County, Minnesota, south of 7<sup>th</sup> Street NW, east of 17<sup>th</sup> Avenue NW, west of 13<sup>th</sup> Avenue NW as shown on the attached drawings labeled MVP-2009-02961-ADB Page 1 of 7 through Page 7 of 7.

### DESCRIPTION OF PROJECT:

Pond Excavation/Reshaping - Rice Creek Watershed District is proposing to excavate 11.48 acres (44,729 cubic yards) of accumulated sediment from the pond for the purpose of removing water quality impairments and to increase the storage volume. This will provide flood reduction for local and downstream resources as well as reduction in internal phosphorus loading and discharge of phosphorus to downstream waters, which are two of the primary goals of the project. The increase in live and dead storage, and the removal of internal loading by sediment removal is estimated to reduce annual phosphorus loading by 119-159 lb/yr. Some of the excavated soils will be utilized on site to build the flood control berm and associated trail improvements. Excesses soils will be hauled offsite.

Dam Embankment and Replacement – The existing structure will be completely removed and the replacement dam structure will be constructed using steel sheet piling. The crest of the sheet piling will be placed at an elevation of 877.3, approximately 2 feet higher than the existing dam crest. The existing secondary berm on each end of the dam will be modified from the existing condition to accommodate the current DNR Dam Safety requirements. The outlet will include a drawdown structure. The drawdown facilities will include an intake and outflow pipe (30-inches in diameter) and a concrete manhole with stoplogs. The stoplogs will be set for normal operation at an elevation of 873.0, or 4.3 feet below the dam crest. This drawdown feature will allow for the control of carp and facilitate vegetative management. During dam construction, baseflow from Ramsey County Ditch 2 will be redirected via a temporary diversion channel around the east side of the basin.

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Flood Control Berm and Trail Improvements – A flood control berm will be constructed on the west side of the park for the purpose of providing flood protection to the private homes adjacent to the park on the west and north. These homes currently experience flood impacts after large storm events. The berm elevation will protect flooding of adjacent homes from the Hansen Park pond up to a 100-year storm event. The trail improvements that are a component of this feature will improve safety of the trail. Currently the existing trail is often flooded and or iced over, causing safety concerns for the trail users.

Vegetative Management – After excavation and regrading activities are complete, the shoreline, wetland and adjacent upland will be vegetated with native species (including tree planting) to ensure an ecologically viable mix that is appropriate for the park.

QUANTITY, TYPE, AND AREA OF FILL: The project would result in the discharge of dredged and fill material into 12.75 acres of seasonally flooded basin (Type 1), fresh (wet) meadow (Type 2), shallow marsh (Type 3), shrub carr (Type 6) and hardwood swamp (Type 7) wetland communities.

SURROUNDING LAND USE: The project site is bordered by medium density single-family residential developments to the west, north and east. Ball fields, parking lot and Hansen Park to the south.

MITIGATION: The applicant proposes no mitigation as the project will result in benefits to water quality, flood protection and pedestrian safety.

**3. REPLIES/COMMENTS.**

Interested parties are invited to submit to this office written facts, arguments, or objections within 30 days of the date of this notice. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable. Comments received may be forwarded to the applicant.

Replies may be addressed to Regulatory Branch, St. Paul District, Corps of Engineers, 180 Fifth Street East, Suite 700, Saint Paul, MN 55101-1678.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Andy Beaudet at the St. Paul office of the Corps, telephone number (651) 290 - 5642.

To receive Public Notices by e-mail, go to: [http://mvp-extstp/list\\_server/](http://mvp-extstp/list_server/) and add your information in the New Registration Box.

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**4. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT.**

None were identified by the applicant or are known to exist in the permit area. However, Ramsey County is within the known or historic range of the following Federally-listed as Threatened (T) or Endangered (E) species:

<u>Species</u>	<u>Habitat</u>
Northern Long-eared Bat (T)	Hibernates in caves and mines – swarming in surrounding wooded areas in autumn. Roots and forages in upland forests during spring and summer.
Higgins eye pearl mussel (E)	Mississippi River
Snuffbox (E)	Mississippi River
Winged mapleleaf (E)	St. Croix River

This application is being coordinated with the U.S. Fish and Wildlife Service. Any comments it may have concerning Federally-listed threatened or endangered wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

**5. JURISDICTION.**

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are subject to Corps of Engineers jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link:

<http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

THE APPLICANT HAS STATED THAT THE FOLLOWING STATE, COUNTY, AND/OR LOCAL PERMITS HAVE BEEN APPLIED FOR/ISSUED: Wetland Conservation Act

**6. STATE SECTION 401 WATER QUALITY CERTIFICATION.**

Valid Section 404 permits cannot be issued for any activity unless state water quality certification for the activity is granted or waived pursuant to Section 401 of the Clean Water Act. The state Section 401 authority in Minnesota is the Minnesota Pollution Control Agency (MPCA). The St. Paul District has provided this public notice and a copy of the applicant's Section 404 permit application form to the MPCA. If MPCA needs any additional information in order for the Section 401 application to be

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considered complete by MPCA, the MPCA has indicated that it will request such information from the applicant. It is the permit applicant's responsibility to ensure that the MPCA has received a valid, complete application for state Section 401 certification and to obtain a final Section 401 action from the MPCA.

The MPCA has indicated that this public notice serves as its public notice of the application for Section 401 water quality certification under Minnesota Rules Part 7001. The MPCA has also indicated that the Section 401 process shall begin to commence upon the issuance date of this public notice unless the MPCA notifies both the St. Paul District and the permit applicant to the contrary, in writing, before the expiration date of this public notice.

Any comments relative to MPCA's Section 401 Certification for the activity proposed in this public notice may be sent to:

Minnesota Pollution Control Agency, Resource Management and Assistance Division,  
Attention: 401 Certification, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

**7. HISTORICAL/ARCHAEOLOGICAL.**

This public notice is being sent to the National Park Service and the State Archaeologist for their comments. The Corps will review information on known cultural resources and/or historic properties within and adjacent to the project area. The Corps will also consider the potential effects of the project on any properties that have yet to be identified. The results of this review and the Corps determination of effect will be coordinated with the State Historic Preservation Officer independent of this public notice. Any adverse effects on historic properties will be resolved prior to the Corps authorization, or approval, of the work in connection with this project.

**8. PUBLIC HEARING REQUESTS.**

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

**9. PUBLIC INTEREST REVIEW.**

The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. Environmental and other documents will be available for review in the St. Paul District Office.

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The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Chad Konickson  
Chief, Southwest Section

Enclosures

# CONSTRUCTION PLANS FOR HANSEN PARK PROJECT

RICE CREEK WATERSHED DISTRICT  
NEW BRIGHTON, MINNESOTA  
DECEMBER 2015



SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
1	COVER
2	LEGEND AND NOTES
3	EXISTING CONDITIONS
4	DEMOLITION PLAN AND ONSITE TEMPORARY ACCESS
5	MATERIAL HANDLING EXCAVATION GRADES
6	STOCKPILE LOCATION AND GEOMETRY
7	SHEET PILE DAM SITE
8	SHEET PILE DAM STRUCTURE DETAILS
9	SHEET PILE DAM STRUCTURE AND SITE DETAILS
10	DAM CLAY CORE PLAN AND PROFILE
11	OUTLET CONTROL STRUCTURE
12	OUTLET CONTROL STRUCTURE DETAILS
13	STORMWATER MANAGEMENT PLAN
14	VOLUMES
15	CROSS SECTION LAYOUT
16	CROSS SECTION
17	CROSS SECTION
18	CROSS SECTION
19	CROSS SECTION
20	CROSS SECTION
21	CROSS SECTION
22	CROSS SECTION
23	CROSS SECTION
24	BASE FLOW DIVERSION
25	BASE FLOW DIVERSION
26	TRAFFIC CONTROL
27	TRAIL LAYOUT
28	TRAIL TYPICALS
29	REVEGETATION PLAN
30	EROSION AND SEDIMENT CONTROL
31	STORMWATER POLLUTION PREVENTION PLAN - NARRATIVE
32	STORMWATER POLLUTION PREVENTION PLAN - NARRATIVE
33	ESF GRADING DESIGN WITH DISTRIBUTION PIPING
34	ESF DETAILS
35	ESF UNDER-DRAIN PIPING LAYOUT

**NOTES:**

- 1. GEODETIC CONTROL**  
**VERTICAL:** NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)  
**HORIZONTAL:** NAD83 MINNESOTA STATE PLANE, SOUTH ZONE, US FOOT

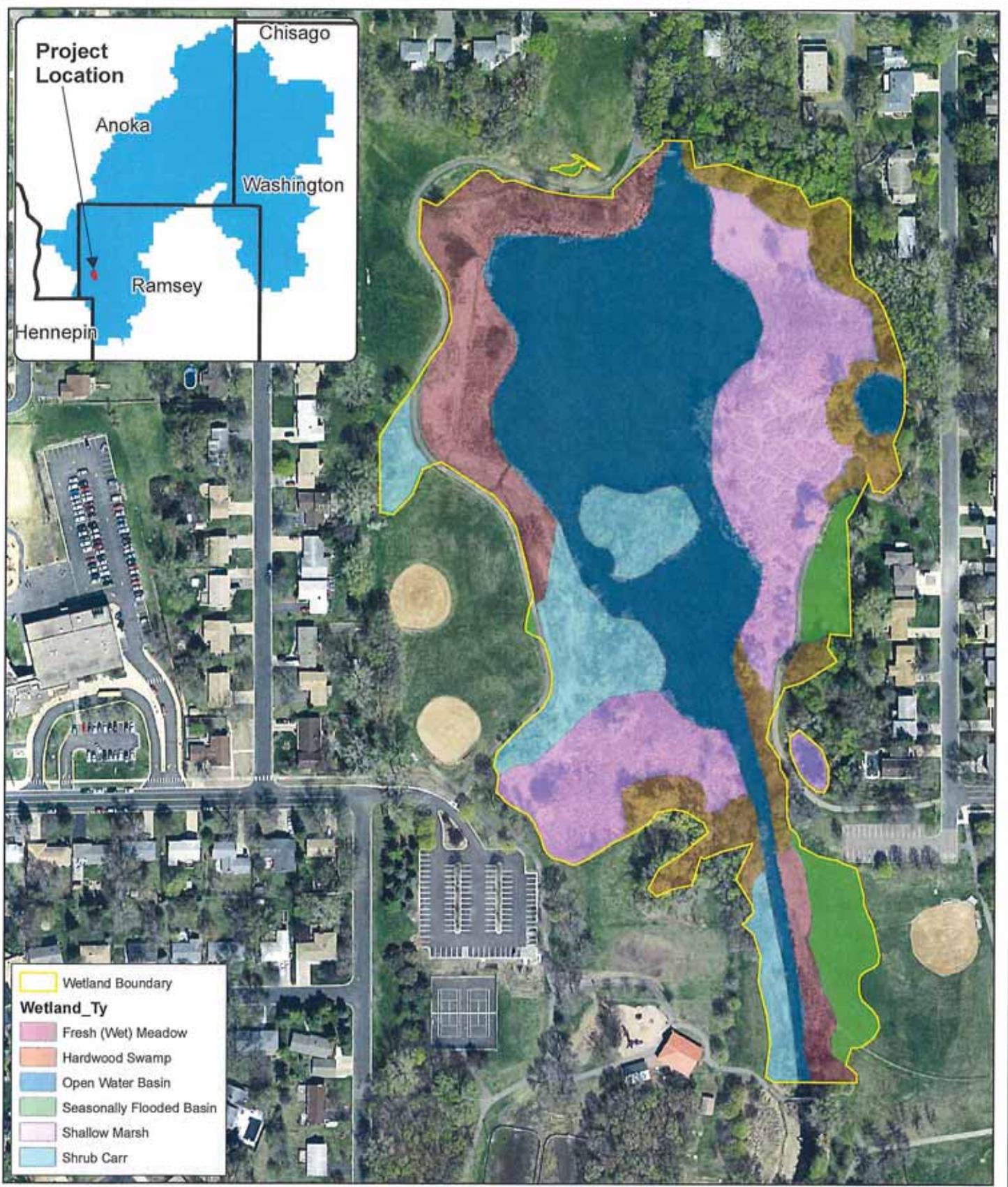
- 2. UTILITY**  
 PRIOR TO ANY EXCAVATION WORK, THE CONTRACTOR IS RESPONSIBLE UNDER MINNESOTA STATE STATUTE 2140 AND MINNESOTA RULES CHAPTER 7600 TO CONTACT Gopher State One Call FOR THE LOCATION OF UNDERGROUND UTILITY FACILITIES IN PROXIMITY TO THE EXCAVATION SITE.  
  
 THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CSASCE 38-02, ENTITLED "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: \_\_\_\_\_ Date: 12-11-2015  
 Printed Name: XXXXXXXX X, XXXXX License #: XXXXX



PREPARED BY:  
 **Houston Engineering Inc.**  
 MAPLE GROVE, MINNESOTA



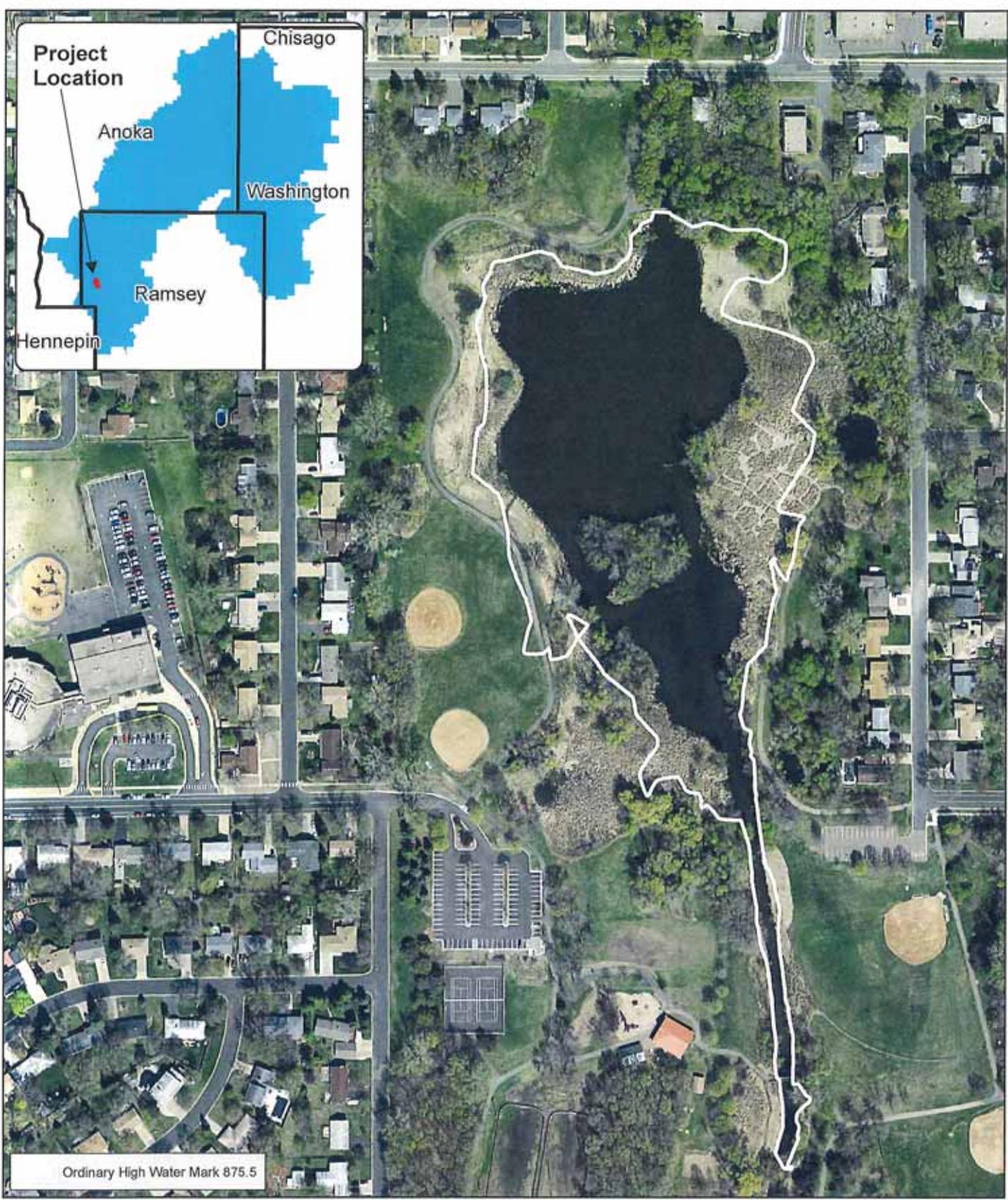
- Wetland Boundary
- Wetland\_Ty**
- Fresh (Wet) Meadow
  - Hardwood Swamp
  - Open Water Basin
  - Seasonally Flooded Basin
  - Shallow Marsh
  - Shrub Carr



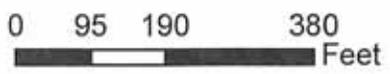
**Figure 1: Wetland Delineation and Wetland Type (2014)**

Scale: As Shown	Drawn by: BHW	Checked by:	Project No.:	Date:	Sheet:
			8666-241	10/10/15	1 of 1


**Houston Engineering Inc.**  
 Maple Grove  
 P: 763-493-4323  
 F: 763-493-1572



Ordinary High Water Mark 875.5

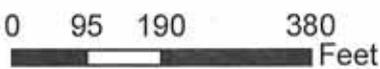
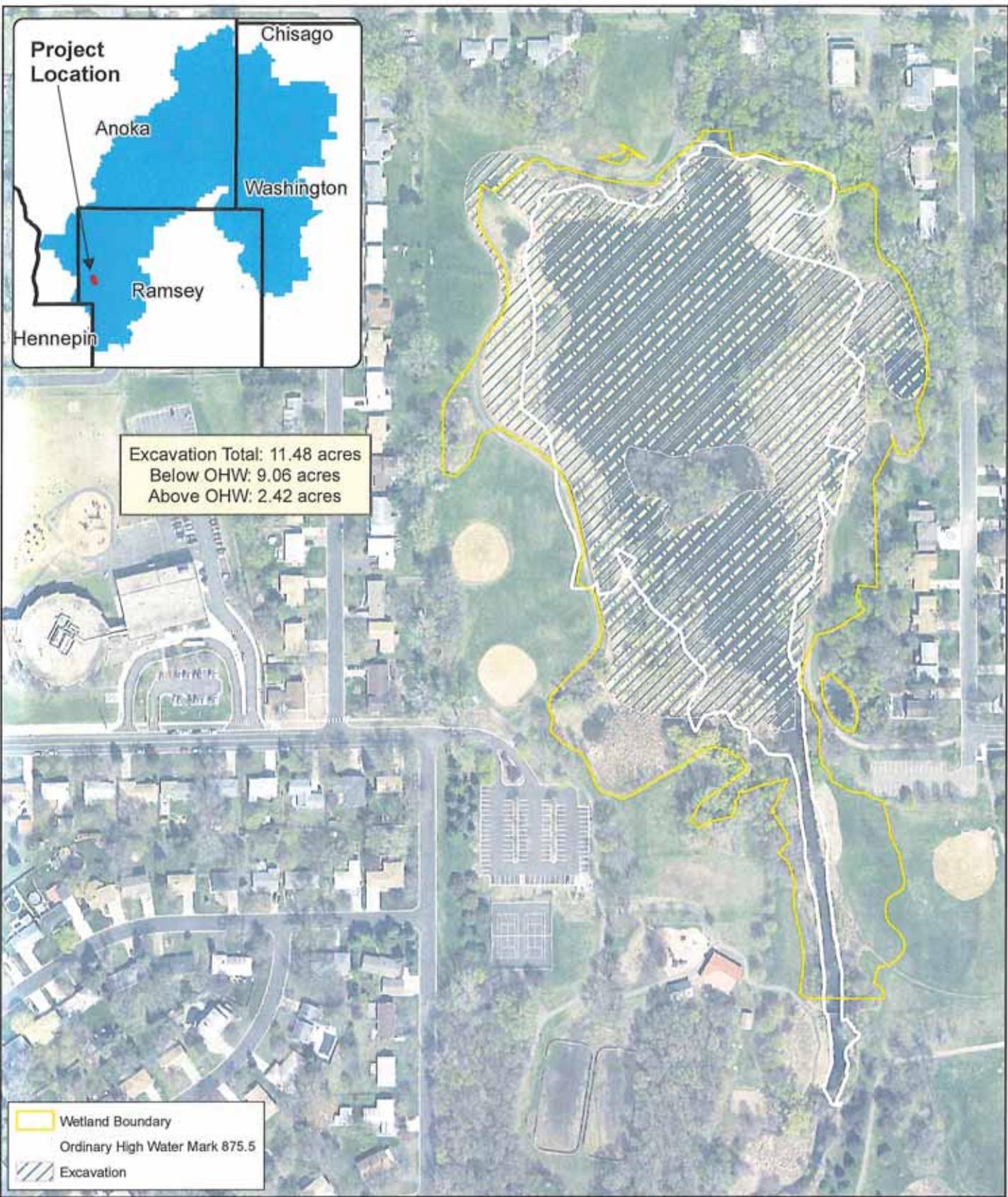


**Figure 2: Ordinary High Water (OHW) Mark 875.5**

Scale: As Shown	Drawn by: SMV	Checked by:	Project No.: 800-241	Date: 11/10/15	Sheet: 1 of 1
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**Houston Engineering Inc.**

 Maple Grove  
 P: 763-493-4323  
 F: 763-493-1577



**Figure 3: Excavation**

Scale: AS SHOWN	Drawn by: SMW	Checked by:	Project No.: 3005-241	Date: 10/01/10	Sheet: 1 of 1
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**Houston Engineering Inc.**  
 Maple Grove  
 P: 763.893.4522  
 F: 763.882.5572

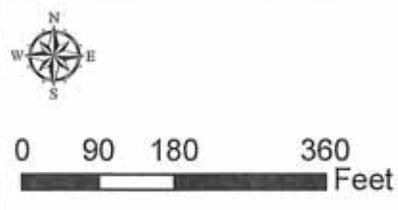
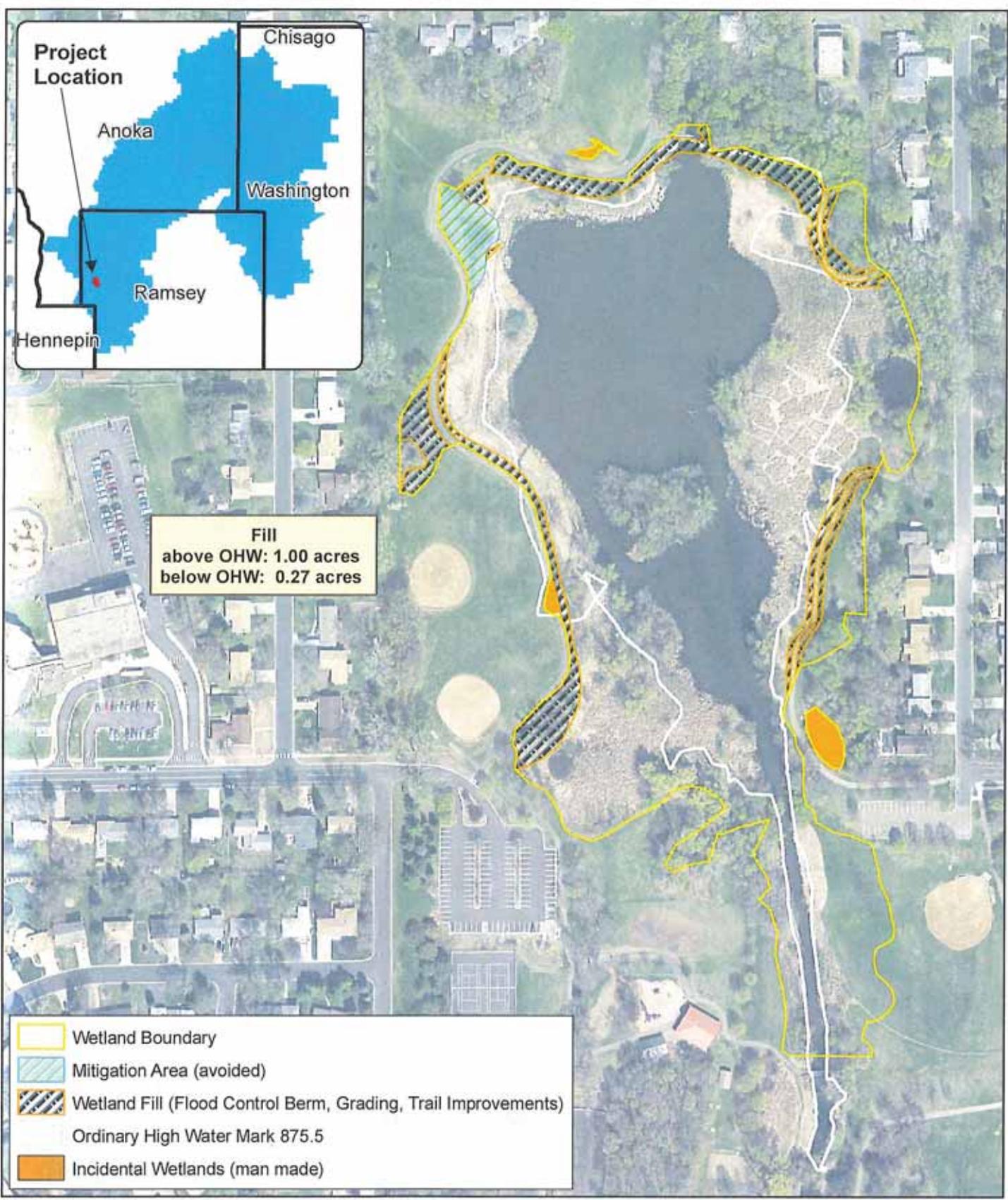


Figure 4: Fill (Grading, Flood Control Berm, Trail Improvement, Dam Embankment Repair)

Scale: AS SHOWN	Drawn by: SMV	Checked by:	Project No.: 5000-241	Date: 11/10/18	Sheet: 1 of 1
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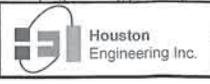
Houston Engineering Inc.  
Maple Grove  
P: 763.493.4522  
F: 763.494.5577



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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: *[Signature]*  
 Printed Name: Dennis Moljine  
 Date: 12-11-2015  
 License #: 48527



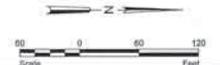
Maple Grove  
 P: 763.493.4522  
 F: 763.493.5572

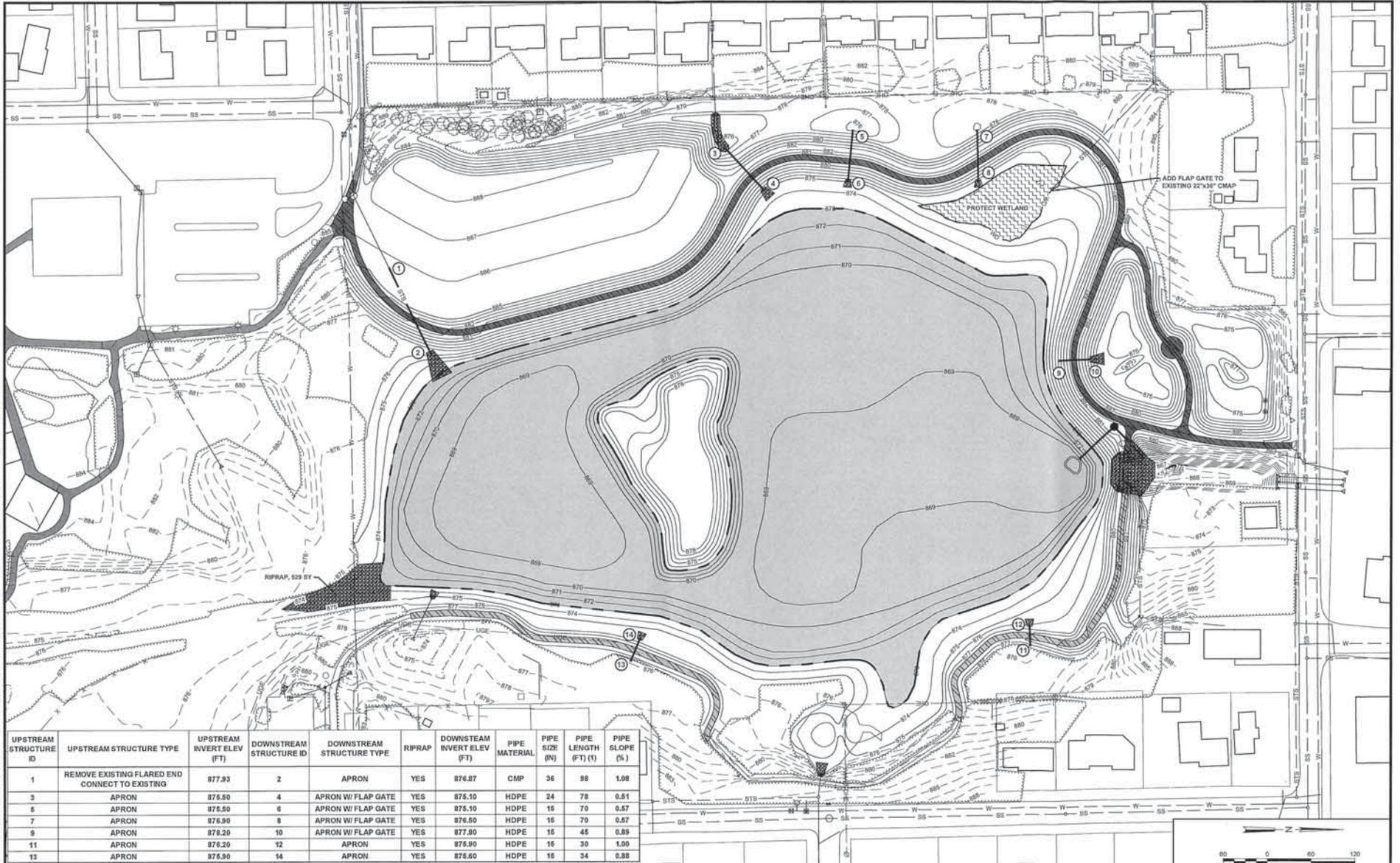
Drawn by: DJL  
 Checked by: DDM

Date: 12-11-15  
 Scale: AS SHOWN

**HANSEN PARK PROJECT**  
 PRELIMINARY DESIGN PHASE  
 NEW BRIGHTON, MINNESOTA  
 RICE CREEK WATERSHED DISTRICT

EXISTING CONDITIONS SHEET  
 PROJECT NO. R145555-240 3





UPSTREAM STRUCTURE ID	UPSTREAM STRUCTURE TYPE	UPSTREAM INVERT ELEV (FT)	DOWNSTREAM STRUCTURE ID	DOWNSTREAM STRUCTURE TYPE	RIPRAP	DOWNSTREAM INVERT ELEV (FT)	PIPE MATERIAL	PIPE SIZE (IN)	PIPE LENGTH (FT) (1)	PIPE SLOPE (%)
1	REMOVE EXISTING FLARED END CONNECT TO EXISTING	877.93	2	APRON	YES	876.87	CMP	36	98	1.08
3	APRON	875.50	4	APRON W/ FLAP GATE	YES	875.10	HDPE	24	78	0.51
5	APRON	875.50	6	APRON W/ FLAP GATE	YES	875.10	HDPE	15	70	0.37
7	APRON	876.90	8	APRON W/ FLAP GATE	YES	876.50	HDPE	15	70	0.57
9	APRON	878.20	10	APRON W/ FLAP GATE	YES	877.80	HDPE	15	45	0.35
11	APRON	876.20	12	APRON	YES	875.90	HDPE	15	30	1.00
13	APRON	875.90	14	APRON	YES	876.50	HDPE	15	34	0.38

(1) PIPE LENGTH INCLUDES FLARE END STRUCTURE

<p>I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.</p> <p>Signature: _____ Date: 12-11-2015          Printed Name: Dennis McAlpin License #: 46627</p>		<p>Maple Grove          P: 763.493.4522          F: 763.493.5572</p>	<p>Drawn by: DJL          Checked by: DDM</p>	<p>Date: 12-11-15          Scale: AS SHOWN</p>	<p><b>HANSEN PARK PROJECT</b>          PRELIMINARY DESIGN PHASE          NEW BRIGHTON, MINNESOTA          RICE CREEK WATERSHED DISTRICT</p>	<p>Scale: 0 60 120 Feet</p> <p>STORMWATER MANAGEMENT PLAN          PROJECT NO. R145555-240</p>	<p>SHEET 13</p>
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H:\Maple Grove\WCD\BWA\SS55-240 Hansen Park Project\CAD\Drawings\Construction\SS55240-Stormwater Management Plan.dwg 13: EDWIN/WATER MANAGER/BRTY PLAN 8/14/2015 4:04 PM (d/brown)