MINNEHAHA CREEK WATERSHED DISTRICT

QUALITY OF WATER QUALITY OF LIFE

PERMIT REPORT

To: Board of Managers

From: Heidi Quinn, Permitting Technician

Date: December 19th, 2019

Re: Permit 19-661: Wassermann Park, Victoria- Phase I Boardwalks & Exception Request for Phases I & II

Recommendation:
Approval of the MCWD permit application with the following conditions:

1. Submission of a binding, enforceable instrument providing preservation and maintenance of buffer areas in accordance with subsections 5(c), 7(a) - (b) of the Wetland Protection Rule after approval of a draft by Staff.
2. Submission of a wetland buffer monumentation plan in accordance with section 5(d) of the Wetland Protection Rule for approval by Staff.

Background:
The Minnehaha Creek Watershed District (Applicant) has submitted a permit application for the Phase I construction of two boardwalks over a Department of Natural Resources (DNR) public water wetland located west of Wasserman Lake at an unassigned address in the City of Victoria. The two proposed boardwalks are Phase I of the master plan for Wassermann Park.

The Wasserman Park masterplan consists of two phases. Phase I consists of the construction of two boardwalks, and Phase II is proposed to include a nature-based park, entry road, parking lot, shelter, walking trails, a stream channel restoration, vegetation restoration across three ecosystems, and a fishing pier. The project is a Minnehaha Creek Watershed District (MCWD or District) Capital Improvement Project and the Applicant's stated goal of the project is to provide a public amenity along with improvements to the natural resources onsite and to improve the water quality to the downstream Wassermann Lake. The application was received on December 2nd, 2019 and was completed on December 13th, 2019. A public notice was sent to property owners within 600 feet of the project on December 5th, 2019.

The Applicant has requested an Exception to the Wetland Buffer Provision of the District's Wetland Protection Rule, which is applicable to both Phases of the Wassermann Park master plan. While Phase II has not competed 100% designs, the Applicant has submitted sufficient information for the Board of Managers to consider the Exception to the Wetland Protection Rule for the entirety of the Wasserman Park Masterplan (both Phase I & II).

Phase I of the project triggers the District's Waterbody Crossings & Structures, Floodplain Alteration, and Wetland Protection Rules. The proposed construction of the two boardwalks is exempt from the District's Erosion Control Rule as the Phase I project will result in approximately 360 square feet of land disturbance and approximately 2.8 cubic yards of fill, which is below the 5,000 square foot of land

disturbance and 50 cubic yards of excavation or fill threshold to trigger the rule. Additionally, both of the boardwalks are approximately 7 feet wide, located over a wetland, and therefore are exempt from the District's Stormwater Management Rule per section 2(d). The exemption is applicable for trails not exceeding 12 feet in width and are bordered by a permeable buffer at least ½ the width on the downgradient. The Phase I and II work together triggers the MCWD Wetland Protection Rule buffer requirements, mandating buffer around three onsite wetlands. As noted above, the Applicant has also requested an exception (attachment 2) from the minimum wetland buffer width requirement around two of the three wetlands that are within the property boundary.

The Applicant has received a DNR individual permit #2019-3488 stating that no DNR permit is needed for the proposed work (attachment 3), therefore, the Applicant is seeking authorization under DNR General Permit 2001-6009, which authorizes work in public waters subject to MCWD Rules.

The application is before the board of managers because of the exception request, and in keeping with MCWD policy directing board review and determination of permits for MCWD projects.

(The rule-by-rule analysis that follows pertains exclusively to Phase I unless explicitly stated otherwise.)

District Rule Analysis:

Waterbody Crossings and Structures

The Waterbody Crossings and Structures Rule is applied whenever construction of a boardwalk, bridge, or structure is proposed to come into contact with the bed or bank of a waterbody. Per the District's definitions, a wetland is also considered a waterbody. The project proposes to construct two boardwalks over a DNR public water wetland adjacent to Wassermann Lake. No work or impacts are proposed within or to Wassermann Lake. The proposed boardwalks include helical piers in contact with the bed of the DNR public water wetland, therefore the rule is applicable to the project.

Per section 3(a) of the rule, the use of the bed or bank shall meet a demonstrated public benefit. The Applicant has provided a narrative that states that the boardwalks will be located in a public park, provide public access to a unique upland "island", and provide access to a future fishing pier. Staff have reviewed the narrative and plans (attachment 4) and concur with the Applicant's findings that the proposed boardwalk will provide the public benefit cited. Therefore, the Applicant has met this criterion of the rule.

Per section 3(b) of the rule, use of the bed or bank shall retain adequate hydraulic capacity. The Applicant has submitted calculations (attachment 5) demonstrating the installation of helical piers will have a negligible effect on a hydraulic capacity (less than 0.0044'). Staff and the District Engineer have reviewed the calculations and have determined that there will be no measurable effect on floodstage, meaning that adequate hydraulic capacity will be retained in the wetland and the criteria of rule has been met.

Per section 3(c) of the rule, the use of the bed or bank shall retain adequate navigational capacity pursuant to any requirements of the waterbody's classification by the District. Based on Staff and the District Engineer's analysis of the public water wetland's existing condition, the wetland adjacent to o

Wassermann Lake has been determined unnavigable, analysis of the rule provision is not relevant to the project.

Section 3(d) of the rule requires waterbody crossings and structures to preserve aquatic and wildlife passage. Per the plan specifications, the boardwalk decking is proposed 29 inches above the 100-year floodplain elevation of 946.6'. Staff and the District Engineer have reviewed the existing conditions of the wetland and have determined that the proposed boardwalk deck heights of 29 inches will preserve existing aquatic and wildlife passage as the boardwalk will not isolate any habitat corridors from the existing condition. Staff and the District Engineer concur that this provision of the rule has been met.

Per section 3(e) of the rule, use of the bed or bank shall not adversely affect water quality. The boardwalk construction is proposed during frozen conditions to minimize land disturbance and potential sediment movement. The boardwalk abutments are proposed to be enclosed in a silt fence to ensure sediment does not enter the wetland or downstream waterbody. Staff have reviewed the erosion control plan provided and determined that sufficient erosion control detail has been shown to verify that water quality will not be adversely affected by sedimentation. Staff have determined that the criteria of the rule is met.

Per section 3(f) of the rule, the use of the bed or bank shall represent the "minimal impact" solution to a specific need with respect to all other reasonable alternatives, including, but not limited to vegetation or bioengineering for bank stabilization, structural stabilization, acquisition of additional easements, or installation of upstream control to manage stream flow. The Applicant has submitted two alternatives that were considered to demonstrate that the proposed boardwalks represent the minimal impact solution. Alternative one consisted of a no-build scenario, which would not meet the stated project goals. Alternative two consisted of a bituminous trail requiring fill within the DNR public water wetland, resulting in a greater wetland and floodstage impact. Staff have reviewed the two alternatives cited and concur that the proposed boardwalks represent the minimal impact solution as it does not impact a DNR public water wetland or the associated floodstage.

Regarding section 3(g) of the rule no bored utility lines are proposed underneath the bed or bank of a waterbody.

Regarding section 3(h) of the rule no installation, modification, or excavation of sanitary sewer beneath a waterbody is proposed as a component of this project.

In summary, based on the analysis of Staff and the District Engineer provided above, the Applicant has met all the applicable criteria of the Waterbody Crossings and Structures Rule.

Floodplain Alteration

The Floodplain Alteration Rule is applied whenever land altering activity is proposed beneath the 100-year floodplain elevation of any waterbody. The 100-year floodplain elevation for Wassermann Lake is 946.6 feet (NGVD 29). The entire DNR public water wetland, which is connected hydraulically to Wasserman Lake, but a distinct waterbody, is below the 100-year flood elevation and within the floodplain of Wasserman Lake. The Applicant is proposing to drill 76 helical piers to support the boardwalks in the wetland, therefore the rule is applicable to the project.

Section 3(a) of the rule requires the creation of floodplain storage capacity to be created for any fill placed below the 100-floodplain elevation to ensure that the fill shall not cause a net decrease in storage capacity below the projected 100-year floodplain elevation of a waterbody. The Applicant has requested to apply section 3(c) of the rule for placement of a total 2.5 cubic of feet of fill for the 76 helical piers within the 100-year floodplain without providing compensatory storage. The criteria of 3(c) is discussed below.

Section 3(b) of the rule requires no increase in the 100-year flood elevation of a watercourse. Staff have reviewed the site plan and have determined that the criteria of rule is not applicable to the Phase I project as there no work within a watercourse.

Section 3(c) of the rule states that section 3(a) of this rule does not apply to fill in a waterbasin if the applicant shows that the proposed fill, together with the filling of all other properties on the waterbody to the same degree of encroachment will not cause high water or aggravate flooding on other properties. Calculations provided by the Applicant demonstrate that the net amount of fill associated with the helical piers will be 2.5 cubic feet. The Applicant then applied the net amount of fill to each property on Wassermann Lake (30 properties), which resulted in a total of 76 cubic feet. Based on the calculation provided by the Applicant, 76 cubic feet of fill will result in an amount of bounce that is within the margin of modeling uncertainty (i.e., effectively 0) (attachment 6). Staff and the District Engineer have reviewed the calculations and have determined that the calculations are correct and the bounce is considered to be negligible and will not cause high water levels. The criteria of 3(c) has been met therefore the requirements of 3(a) do not apply to the project.

Section 3(d) of the rule requires that no new impervious surface be created in the lesser of 25 feet of the centerline of a watercourse or the 10-year floodplain of a waterbody, unless that surface is an integral component of a linear public roadway or trail. The boardwalks are considered to be an integral component of a public trail system that will provide riparian access to a future fishing pier. Staff have reviewed the plans and agree that the boardwalks are an integral component of a public trail, therefore the criteria of rule has been met.

Section 3(e) of the rule is not applicable, as no ice ridge grading is proposed.

Section 3(f) of the rule requires that the low openings to all structures be a minimum of 2 feet above the 100-year floodplain elevation. Staff have reviewed the proposed plan and have determined that no new buildings are proposed with the Phase I project, therefore section 3(f) is not applicable.

In summary, based on the analysis of Staff and the District Engineer provided above, the Applicant has met all the applicable criteria of the Floodplain Alteration Rule.

Wetland Protection

The Wetland Protection Rule is applied to any project that proposes to excavation, filling or drainage of wetlands protected by the Wetland Conservation Act (WCA) and the buffer provisions of the rule are applicable whenever the District's Waterbody Crossings and Structures Rule is applied. The boardwalks do not propose any impact to WCA wetlands, and as noted the applicant has received approval from the

project work in the public water wetland adjacent to Wasserman Lake from DNR. Since the boardwalks are analyzed under the Waterbody Crossings and Structures Rule, the buffer provisions of the Wetland Protection Rule are applicable.

There have been two Notice of Decisions issued determining the boundary and type of wetlands within the project area, W17-47 & W18-39 (attachment 7). There are a total of three delineated wetlands within the property owned by the Applicant. Wetland 1 is the DNR public waters wetland, and Wetlands 2 and 3 are protected by the WCA.

Per section 5(a) of the Wetland Protection rule, buffers must be provided around all disturbed wetlands and on wetland edges downgradient of disturbance. The drilling of the helical piers for the boardwalks into Wetland 1 is considered to be a disturbance and the Applicant has submitted a plan that provides a wetland buffer around the entirety of Wetland 1 that is within the property. For Phase II of the project, wetland buffers will be required around Wetlands 2 & 3 that are downgradient of site disturbance. The Applicant has submitted a plan that shows wetland buffers provided downgradient of site disturbance around Wetlands 2 and 3 that are within the property. Additional analysis on buffer width has been provided under section 6(c) below.

Per section 5(b) of the rule, buffers are required, and have been analyzed under section 6, below.

Per section 5(c) of the rule, buffers must be documented by a declaration or other recordable instrument. Sale of the park property that is the subject site to the City of Victoria is planned. The applicant, MCWD, will retain an easement over the wetland buffer areas in perpetuity. The Applicant will provide a draft of the easement for review to demonstrate compliance with maintenance requirements of the rule. This has been included among the conditions of approval.

Section 5(d) of the rule requires a permanent wetland buffer monument to be installed at each lot line where it intersects the buffer, and where needed to indicate the contour of the buffer, with a maximum spacing of 100 feet. Submission of a draft buffer monumentation plan for approval as compliant with the rule provision is listed as a recommended condition of approval to satisfy this requirement.

Per section 6(a) of the rule, buffer width requirements are determined by the management class of a wetland, as provided by District's Functional Assessment of Wetlands (FAW). Table 1 below shows the management classifications and associated buffer widths of each wetland within the property boundary.

Wetland #	Management Class	Base Buffer Width (ft)	Required Minimum Buffer Width (ft)	Allowable Maximum Buffer Width (ft)	Public Water Wetland
1	Preserve	75	37.5	150	Y
2	Manage 2	30	15	60	N
3	Manage 2	30	15	60	N

Table 1: Wetland Summary

Per section 6(c) of the rule, buffer averaging is permitted based upon demonstrated site constraints. Under this provision of the rule, buffer must meet the applicable minimum buffer width of 50% of the base buffer width, and can extend to a maximum width of 200% of the base buffer, provided that there is no reduction in total buffer area (refer to above Table 1 for base, minimum, and maximum buffer widths). The Applicant has requested to apply buffer averaging for both Phase I (proposed) and Phase II (future). The buffer averaging has been requested to accommodate the future locations of walking trails, a stormwater filtration basin, and an access road proposed with Phase II. Based on review of the wetland buffer plan submitted for both Phase I and Phase II (attachment 8), the Wassermann Park master plan does provide not provide the required buffer area for Wetland 1 and the plan does not meet the required MCWD minimum buffer width requirement for Wetland 1 or Wetland 2. Specifically, the applicant has not maintained the minimum buffer width requirement at all locations on the edges of Wetland 1 and Wetland 2 that are within the property boundary. The Applicant has requested an Exception from compliance with section 6(c) of the Wetland Protection rule, which has been analyzed under the Exception criteria below.

Section 6(d) of the rule does not apply as the Applicant is not requested a reduction in base buffer width.

Section 6(e) of the rule does not apply as this is not a Linear Reconstruction Project.

Section 6(f) of this rule does not apply as this project is not a New Principal Residential Structure.

Section 7(a) of rule, prohibits actions such as mowing, fertilizing or placement of yard waste within the buffer area. Submission of a maintenance plan that includes these provision is listed as a recommended condition of approval to satisfy this requirement.

Section 7(b) of the rule allows public land, homeowners associations, and right-of-way to comply with buffer monumentation, buffer monitoring, and vegetation management through a written maintenance agreement with the District that provides for compliance with the MCWD monumentation, monitoring and vegetative-management requirements. Submission of a draft maintenance plan in accordance with the District's Project Maintenance and Land Management Department is listed as a recommended condition of approval to satisfy this requirement.

Per section 7(c) of the rule, any buffer areas that will be disturbed by grading or other site activities during construction must be replanted and maintained according to the specific standards. Staff have reviewed the proposed Phase I project and have determined that areas of proposed buffer will not be graded or compacted and there is an existing vegetated buffer, therefore the specific site standards criteria of the rule are not applicable. Phase II will disturb areas of the proposed wetland buffer for Wetlands 1, 2, and 3 and the Applicant has submitted a planting plan that will be reviewed for conformance with the rule criteria under the Phase II application.

In summary, upon satisfaction of the recommended conditions, the project meets the requirements of the Wetland Protection Rule, apart from section 6(c), as noted above, for which the Applicant has requested an Exception.

Exception

The Variance and Exception Rule allows the Board of Managers to grant exceptions from a provision of the rules on a determination that the proposed application will achieve a greater degree of water resource protection than strict compliance with the provision. The Applicant has requested an exception from the buffer provisions of section 6(c) of the Wetland Protection Rule for both Phase I and the future Phase II of the Wasserman Park master plan.

The Applicant has provided a plan that demonstrates that there are several locations that the minimum buffer width is not provided due to the future location of trails, a stormwater filtration basin, and a road expansion to meet safety standards. Based on Staff's review of the proposed wetland buffer exhibit, which is representative of the buffer requirements for both of the project phases, there are six segments within the project in which the minimum buffer width is not maintained at all locations for Wetland 1 and one segment within the project in which the minimum buffer width is not maintained at all locations for Wetland 2. Table 2 below summarizes the average shortfall from the required minimum buffer width for the six segments of Wetland 1, a Preserve wetland.

Segment	Linear Feet of Segment	Average Minimum Buffer Width Provided (ft)	Average Shortfall from Required Minimum Buffer Width of 37.5 (ft)
1	175	27.5	10
2	60	33	4.5
3	20	21.75	15.75
4	320	27.5	10
5	395	22.5	15
6	150	22	15.5

Table 2: Minimum Buffer Width Provided Shortfall for Wetland 1, Preserve Management Class

For Wetland 2, a Manage 2 wetland, an averaged minimum buffer width of 9.75 feet is provided for 15 linear feet which is 5.25 foot shortfall from the required minimum width of 15 feet. Table 3 below

summarizes the area of the minimum buffer width not met for Wetland 1 and Wetland 2 based on the linear distance and provided buffer width.

Wetland #	Size of Wetland	Management Class	Base Buffer Width	Required Minimum Buffer Width	Required Buffer Area	Provided Buffer Area	Linear Feet Not Meeting Minimum Buffer Width Requirement	Area of Minimum Buffer Width Not Met
1	23.21 ac	Preserve	75'	37.5'	4.00 ac (174,385) sf	3.55 ac (154,795 sf)	1,090	0.34 ac
2	0.18 ac	Manage 2	30'	15'	0.21 ac (9,252 sf)	0.22 ac (9,603 sf)	15	79 sf

Table 3: Minimum Buffer Width Provided Shortfall Summary

The wetland buffer provision per section 6(c) of the Wetland Protection Rule is intended to provide water quality treatment to stormwater runoff prior to entering a waterbody and to provide habitat adjacent to waterbodies. The Applicant has provided a detailed exception application that demonstrates a plan for a restoration project with the goals of water quality treatment and habitat restoration. The Wasserman Park master plan involves vegetation restoration across three ecosystems (1.56 acres of prairie, 2.14 acres of wetland, and 1.62 acres of oak savannah), provides wetland buffers to the greatest extent feasible, avoids impacts to wetlands, proposes 370 feet of stream channel restoration, and will treat approximately 0.13 acres of impervious surface that would be exempt under the District's linear reconstruction provisions of the Stormwater Management Rule. In addition to the proposed improvements, the Applicant has completed an alum treatment to the Wassermann West Pond in the Spring of 2019 that resulted in an estimated 75 pounds of phosphorous reduction annually into Wassermann Lake.

Staff and the District Engineer have reviewed the narrative and plan provided by the applicant to support the exception request and have determined that sufficient technical basis has been provided to support the exception.

The policy and intent of the Wetland Protection rule is to achieve no net loss in wetland quantity, quality, and biological diversity; to enhance the quality, quantity, and biological diversity of wetlands; and minimize wetland impact. Based on review of the provided materials, Staff and the District Engineer have determined that the proposed 2.14 acres of wetland restoration will result in an enhancement to the quality, quantity, and biological diversity of Wetland 1 by replacing a monoculture of cattails with native vegetation. The 370 feet of stream restoration will improve biological diversity for approximately 0.33 acres of riparian habitat and reduce sediment loading into Wetland 1, and the stormwater management treatment of 0.13 acres of linear impervious surface that would sheet flow into Wetland 1 will also reduce sediment loading into Wetland 1.

In summary, Staff and the District Engineer agree that the Applicant has provided sufficient evidence that the proposed project will achieve a greater natural resource benefit, as outlined above, than strict compliance with providing the minimum buffer width in all locations around the edges of Wetland 1 and Wetland 2 per section 6(c) of the Wetland Protection Rule

Summary:
The Minnehaha Creek Watershed District has applied for a Minnehaha Creek Watershed District permit for Waterbody Crossings and Structures, Floodplain Alteration and Wetland Protection rules, and an Exception to providing the required minimum buffer width for 1,090 linear feet around Wetland 1 and 225 linear feet around Wetland 2 for the proposed nature-based Wassermann Lake Park Project. The proposed Phase I boardwalk project meets the applicable requirements under the applicable rules, upon satisfaction of the recommended conditions and approval of the Exception by the Board of Managers. Therefore, staff recommends approval of the Phase I permit application with the conditions listed at the beginning of the report.

Additionally, Staff requests that the Board of Managers consider delegating authority to approve a permit for Phase II of the Wasserman Park project to the District Administrator.
.

Attachments:
1. Water Resources Application Form
2. Exception Application
3. DNR Individual Permit
4. Site Plans
5. Waterbody Crossings & Structures Calculation
6. Floodplain Alteration Calculation
7. WCA NODs (W17-47 & W18-39)
8. Wetland Buffer Plan

Print Form

WATER RESOURCE PERMIT APPLICATION FORM

Use this form to notify/apply to the Minnehaha Creek Watershed District (MCWD) of a proposed project or work which may fall within their jurisdiction. Fill out this form completely and submit with your site plan, maps, etc. to the MCWD at: 15320 Minnetonka Blvd. Minnetonka, MN 55345.
Keep a copy for your records.

YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.

1. Name of each property owner: Minnehaha Creek Watershed District
Mailing Address: 15320 Minnetonka Blvd City: Minnetonka State: MN Zip: 55417
Email Address: abrown@minnehahacreek.org Phone: 952-641-4522 Fax: _____

2. Property Owner Representative Information (not required) (licensed contractor, architect, engineer, etc…)
Business Name: _____ Representative Name: _____
Business Address: _____ City: _____ State: _____ Zip: _____
Email Address: _____ Phone: _____ Fax: _____

3. Project Address: CR 43, Address unassigned City: Victoria
State: MN Zip: 55417 Qtr Section(s): _____ Section(s): 23 Township(s): 116 Range(s): 24
Lot: _____ Block: _____ Subdivision: _____ PID: 650230700 and 650230600

4. Size of project parcel (square feet or acres): 30.5 Acres
Area of disturbance (square feet): _____ Volume of excavation/fill (cubic yards): 0.0841
Area of existing impervious surface: N/A Area of proposed impervious surface: N/A
Length of shoreline affected (feet): N/A Waterbody (& bay if applicable): PWW on Lake Wassermann

5. Type of permit being applied for (Check all that apply):

- ☑ EROSION CONTROL
- ☑ FLOODPLAIN ALTERATION
- ☑ WETLAND PROTECTION
- ☐ DREDGING
- ☐ SHORELINE/STREAMBANK STABILIZATION
- ☑ WATERBODY CROSSINGS/STRUCTURES
- ☑ STORMWATER MANAGEMENT
- ☐ APPROPRIATIONS
- ☐ ILLICIT DISCHARGE

6. Project purpose (Check all that apply):

- ☐ SINGLE FAMILY HOME
- ☐ ROAD CONSTRUCTION
- ☐ UTILITIES
- ☐ DREDGING
- ☐ SHORELINE/STREAMBANK STABILIZATION
- ☐ MULTI FAMILY RESIDENTIAL (apartments)
- ☐ COMMERCIAL or INSTITUTIONAL
- ☐ SUBDIVISIONS (include number of lots)
- ☐ LANDSCAPING (pools, berms, etc.)
- ☑ OTHER (DESCRIBE): Park/recreation

7. NPDES/SDS General Stormwater Permit Number (if applicable): N/A

8. Waterbody receiving runoff from site: Wassermann Lake

9. Project Timeline: Start Date: December 20, 2019 Completion Date: 3/30/20 (substantial); 5/30/20 (final)

Permits have been applied for: City ☐ County ☐ MN Pollution Control Agency ☐ DNR ☐ COE ☐
Permits have been received: City ☐ County ☐ MN Pollution Control Agency ☐ DNR ☐ COE ☐

By signing below, I hereby request a permit to authorize the activities described herein. I certify that I am familiar with MCWD Rules and that the proposed activity will be conducted in compliance with these Rules. I am familiar with the information contained in this application and, to the best of my knowledge and belief, all information is true, complete and accurate. I understand that proceeding with work before all required authorizations are obtained may be subject to federal, state and/or local administrative, civil and/or criminal penalties.

_____ 12/6/19
Signature of Each Property Owner Date

REQUEST FOR EXCEPTION FROM A RULE PROVISION

MINNEHAHA CREEK WATERSHED DISTRICT (MCWD)
15320 MINNETONKA BLVD. **Phone: 952-471-0590**
MINNETONKA, MN 55345 **Fax: 952-471-0682**

A request for an exception must be accompanied by a MCWD Water Resources Application

Project Details:

Project address: None Assigned City: Victoria State: MN Zip: 55318

County: Carver Property ID number (PID): 650230600 and 650230700

The Board of Managers may grant an exception from a provision of the rules on a determination that the proposed application will achieve a greater degree of water resource protection than would strict compliance with the provision. An exception must be approved by a two-thirds majority of managers voting.

Exception Requested From MCWD Rule(s):

- ☐ Erosion Control
- ☐ Floodplain Alteration
- ☒ Wetland Protection
- ☐ Shoreline & Streambank Stabilization
- ☐ Waterbody Crossings & Structures
- ☐ Stormwater Management
- ☐ Appropriations
- ☐ Illicit Discharge

Provision(s) and Requirement(s) of the Rule(s):

See supplemental document entitled "Exception Framework" under Rule Requirements

Requested Exception:

See supplemental document entitled "Exception Framework" under Requested Exception

Describe how the proposed design will achieve a greater degree of water resource protection than strict compliance with the provision, referring to the impacts on water quality, water quantity, and ecological integrity. Quantify water resource protection as much as possible (pounds of pollutant removal, acres of habitat creation, etc).

See supplemental document entitled "Exception Framework" under Exception Framework

WASSERMANN LAKE PARK PROJECT – EXCEPTION FRAMEWORK

PROJECT OVERVIEW

The Wassermann Lake Park Project is a nature-based park situated on the last remaining undeveloped parcel on Wassermann Lake, an impaired waterbody. The 30.5 acre site encompasses a six acre pond, 16.5 acres of wetland, eight acres of upland, and 1,500 feet of undisturbed shoreline. The project not only provides public recreation and enjoyment through active and passive engagement with the lake and wetland, but also improves water quality and habitat on the last remaining undeveloped parcel on Wassermann Lake. The project, as outlined in detail below, meets the Minnehaha Creek Watershed District's exception criteria in the following ways:

- Alum Treatment: a principle component of the sites restoration is the alum treatment of the six acre pond on site, which occurred in spring 2019 and has already resulted in an annual phosphorus reduction of 75 pounds.
- Stream Restoration: The restoration of 370 feet of stream channel will reduce sediment loading to Wassermann Lake through bank stabilization while improving riparian habitat.
- Vegetative Restoration: The site plan includes vegetative restoration across several ecosystem types, including 1.56 acres of prairie, 1.62 acres of oak savannah woodland, and 2.14 acres of wetland fringe. The restoration includes the removal of 142 trees, primarily ash and box elder, which are proposed to be replaced by 178 trees and 181 shrubs.
- Stormwater Runoff: the stormwater facility will provide treatment of 5,378 cubic feet of stormwater, which exceeds the requirement treatment volume by 1,530 cubic feet, effectively treating an additional 0.21 acres of impervious area.

RULE REQUIREMENTS

The wetland onsite is a preserve wetland requiring a base buffer width of 75 feet. Buffer averaging allows a minimum buffer of 37.5 feet and a maximum buffer width of 150 feet as long as there is not a loss in total buffer area. Provision 6(c) of the wetland protection rule allows trail in the buffer area to be added to the total area required by the Applied Buffer Width, except that construction of a trail or path of no more than four feet in width to provide riparian access through the buffer will not increase the required buffer area.

REQUESTED EXCEPTION

There are several locations within the project in which the natural surface trail does not meet the minimum buffer width of 37.5 feet. These include the northern end of the peninsula area (320 linear feet); the area where the trail transitions from the upper shelter area to the peninsula (20 linear feet); the footpath running downhill of the bluff along the lakeshore (395 linear feet); and the road entry where the existing driveway will be improved and must go between two wetland lobes (190 linear feet). There is a small area (60 linear feet) where the buffer width between the stormwater pond and wetland cannot meet regulatory minimums.

The purpose of the Wassermann Lake Park project is to create a nature based park experience that provides recreational enjoyment while enhancing the ecological function of the site as a whole. In all cases, the proposed site design minimizes site disturbance while achieving recreational and restoration goals. In particular, the site is constrained by existing grades, with the design team seeking to minimize

mass grading in the woodland areas, and by the existence of large stands of mature oak trees, which are a key conservation strategy for the site. In order to minimize secondary impacts due to grading and tree removal, the proposed trail alignment must be maintained and the minimum buffer widths cannot be met.

Due to the aforementioned project restoration plan, which improves water quality through alum treatment and stream restoration, restores habitat across three ecosystem types, and exceeds regulatory stormwater standards, the net impact is more than an offset of the impact of having natural surface trail in the buffer area, providing a net benefit to natural systems.

EXCEPTION FRAMEWORK

The Wassermann Lake Park Project is a natural resource based park that achieves a greater natural resource benefit than would either a traditional city park or leaving the parcel vacant. The project improves water quality through alum treatment and through a 370 foot stream restoration; improves habitat through wetland, woodland, and prairie vegetative restoration; and protects Lake Wassermann through exceeding regulatory stormwater standards.

Water Quality Improvement

This project includes two area of restoration/treatment that will improve water quality to Lake Wassermann and create a greater natural resource outcome for the project as a whole. First, as a component of this project, the District leveraged Clean Water Funds to alum treat the six acre pond on this 30.5 acre site. This pond is an identified nutrient source to Lake Wassermann and accounts for the highest known watershed load for this waterbody. The first alum treatment was completed in spring 2019 and the second will occur in spring 2021. The first treatment has resulted in an estimated 75 lb/yr reduction in phosphorus loading to Lake Wassermann. While this component has advanced as a separate project through design and implementation, it is a key component of the overall site restoration approach.

The second project component that seeks to improve water quality is the stream channel restoration. The southern edge of the park property contains a small intermittent stream channel. The channel has experienced down cutting and bank destabilization, resulting in the potential for increased sediment transport to the lake. The restoration plan proposes to stabilize the banks using a single FES lift. This approach will regrade an approximate 15 foot area on either side of the creek, and the banks will be replanted with stabilizing vegetation. In order to enhance light penetration to the creek to establish bank vegetation and enhance the existing red oak grove habitat, ash and box elder removal will occur on the northern bank of the stream channel. The stream channel restoration component will also incorporate check-dams to slow the velocity of flow, further preserving the banks and creating a pool system through the channel. The proposed restoration will encompass 0.33 acres across 370 feet of stream channel.

Habitat Restoration

This project includes substantial habitat restoration which seeks to restore the site to native ecosystem types and reduce the density of invasive species, creating a more diverse habitat structure on the site as a whole. The habitat restoration is detailed in the 60% plan set and includes the following areas:

Prairie Mound Restoration (1.56 acres): The central prairie's present condition is prairie-type vegetation that diversity and includes both undesirable and invasive plant species. The area will undergo mass grading and be revegetated with a dry prairie seed mix and planted with plugs for quick establishment.

Wetland Fringe (2.14 acres): A majority of the wetland on site is cattail monoculture with minimal opportunity to enhance vegetative diversity. The team has identified several discrete areas along the wetland fringe currently dominated by reed canary grass where restoration to mesic meadow edge has a better chance of success. All ash and boxelder will be removed from those areas with willows maintained. Wooded debris and snags will be maintained for habitat improvement.

Peninsula Woodland (1.62 acres): In evaluating historic aerials, it was clear that until about 30 years ago the site was an oak savannah habitat, which has subsequently been invaded by common buckthorn and interspersed with ash and box elder, considered a "weedy" tree species. This has resulted in limited light penetration and a lack of understory growth. The proposed strategy in the woodland is to restore the oak savannah conditions by removing buckthorn, ash and boxelder and reseeding with mesic prairie. Some selective oak removal will also occur in areas with groves of densely growing young oak to encourage thriving of the remaining trees.

Stormwater Management

The project will treat in excess of the District's stormwater requirements through oversizing the treatment facility and routing areas otherwise exempt from the stormwater rules, such as the entry road, to the stormwater facility. The stormwater report provides detail analysis of the treatment approach, but can be summarized as follows:

- Total Impervious Area: 1.02 acres
- Required Impervious Area to be Treated: 0.53 acres (Parking Lot and Shelter Area)
- Required Treatment Volume: 3,848 cu.ft.
- Treatment Volume Provided: 5,378 cu.ft. (Provides treatment for 0.21 acres of additional impervious area)

Individual Permit: 2019-3488

Actions
Communicate with DNR

Status: No DNR Permit Needed

Overview | Parties | Attachments | History | Financial | Communication

Permit Number:	**2019-3488**	Region:	**Central**
Class:	**Individual Permit**	Area:	**Metro S**
Type:	**Public Waters Work**	County:	**Carver**
Landowner:	**Minnehaha Creek Watershed District**	Permit Lead:	**Jennie Skancke**
Project Name:	**Wasserman Park** Edit		

Permit Dates

Issued:
Effective:
Expires:

Permit Uses

Boardwalk

Project

County	PLS	UTMX, UTMY	Watershed	Resource Type	Resource Name	Action
Carver	T116N-R24W-S23 NWSW	446272, 4965379	Mississippi River - Twin Cities	Lake	Wassermann (10004800)	Show

Questions? Contact Jennie Skancke at jennie.skancke@state.mn.us or 651-259-5790, Minnesota Department of Natural Resources, 1200 Warner Road, St. Paul, MN 55106.

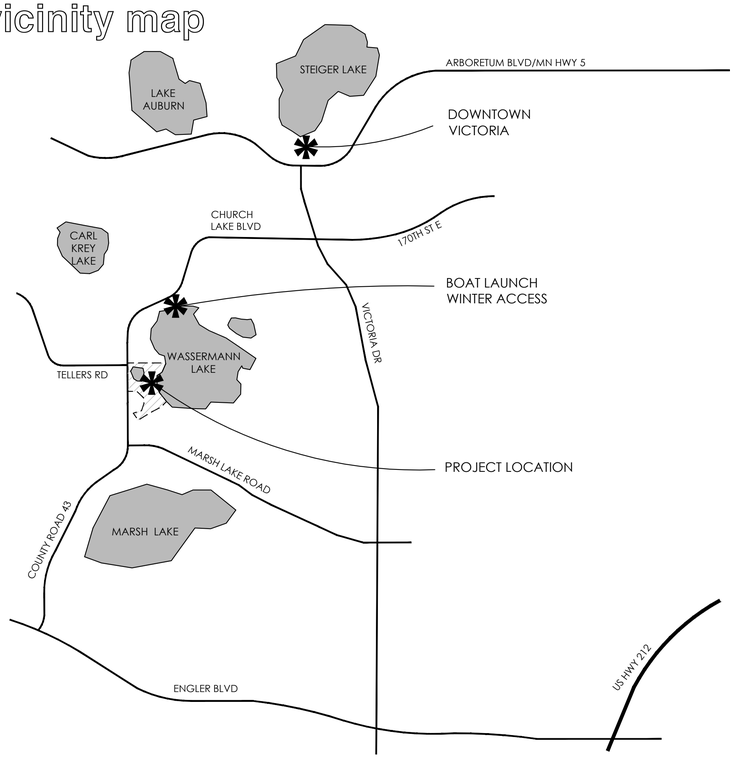
Attachment 4

WASSERMANN LAKE PARK

VICTORIA , MINNESOTA

BOARDWALK PROJECT

vicinity map



DESIGN CODES AND STANDARDS:
UNLESS NOTED OTHERWISE (UNO), ALL REFERENCED STANDARDS SHALL BE CURRENT EDITION, WITH LATEST ADDENDA, IF APPLICAABLE.
- MN STATE BUILDING CODE (JAN 2015)
- INTERNATIONAL BUILDING CODE (IBC 2012)
- AISC SPEC FOR STRUCTURAL STEEL BUILDINGS (AISC 360, ALLOWABLE STRENGTH DESIGN PROVISIONS)
- AISC CODE OF STANDARD PRACTICE FOR BUILDINGS & BRIDGES (AISC S303)
- STRUCTURAL WELDING CODE (AWS D1.1)
- MANUAL FOR WOOD FRAME CONSTRUCTION; AMERICAN FOREST AND PAPER ASS. (AFPA WCD NO.1-88)
- TIMBER CONSTRUCTION MANUAL; AMERICAN INSTITUTE OF TIMBER CONSTRUCTION(4TH EDITION - 1994)
- STANDARD FOR HEAVY TIMBER CONSTRUCTION (AITC 108-93)
- NATIONAL DESIGN SPEC FOR WOOD CONSTRUCTION, INCLUDING SUPPLEMENTS (NDS)

DESIGN STRESSES (STRUCTURAL STEEL, FY):
STRUCTURAL WF SHAPES----------ASTM A992/A572 (50 KSI)
STEEL (FY) MISC SHAPES/PLATES----------ASTM A36 (36 KSI)
STRUCTURAL TUBES----------ASTM A500 GR B (46 KSI)
PIPE COLUMNS----------ASTM A53 TYPE E-GRADE B (35 KSI)

DESIGN LOADS/INFORMATION (SERVICE LOADS):
- BOARDWALK - TYP. LIVE LOAD----------100 PSF OR VEHICLE LOAD OF 3000 LBS (LOAD DISTRUCTION -5% TO REAR AXLE, AXLE SPACING 50"; 4-WHEELER ATV)
- WIND - 50 PSF APPLIED TO THE HEIGHT OF THE BOARDWALK STRUCTURE. APPLY WIND LOAD AS LATERAL LOAD AT TOP OF HELICAL PILE CAP.
- HELICAL PILES - FURNISH AND INSTALL TO A TOTAL VERTICAL SERVICE LOAD CAPACITY OF 10 KIPS PER PILE. HELICAL PILE SUPPLIER SHALL PROVIDE THE PILE CAP ASSEMBLY INCLUDED MOUNTING PLATE AND SLEEVE. LENGTH OF SLEEVE TO BE 12" MIN. SEE SPECIFICATIONS FOR ADDITIONAL HELICAL PILE DESIGN INFO.
- THE LATERAL (HORIZONTAL) DEFLECTION OF EACH BENT SHALL DEFLECT NO MORE THAN ¾" OF AN INCH FOR THE REQUIRED LOADING.

SOILS INFORMATION:
- REFER TO GEOTECHNICAL REPORT #0185-0137 DATED 10-24-19, PREPARED BY WENCK.

STRUCTURAL STEEL:
- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO LATEST AISC SPECIFICATIONS.
- ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS AND COMPLY WITH THE AWS STRUCTURAL WELDING CODE.

project team

MINNEHAHA CREEK WATERSHED DISTRICT
ANNA BROWN, PLANNER-PROJECT MANAGER
15320 MINNETONKA BLVD
MINNETONKA, MN 55345
CELL - 952-641-4522

CITY OF VICTORIA
ANN MAHKE, PARKS AND PUBLIC WORKS DIRECTOR
P.O. BOX 36
VICTORIA, MN 55386
CELL - 952-443-4258

LANDSCAPE ARCHITECT:
CARLOS (CJ) FERNANDEZ, PLA
AUNE FERNANDEZ LANDSCAPE ARCHITECTS
755 PRIOR AVE N, SUITE 103
ST. PAUL, MN 55104
651-341-3611

STRUCTURAL ENGINEER:
JIM KRZOSKA, P.E.
PAULSON & CLARK ENGINEERING
2352 EAST COUNT RD J
WHITE BEAR LAKE, MN 55110
651-287-7527

aune fernandez landscape architects
755 prior avenue n suite 103,
st. paul, mn 55104
651.341.361 or 651.248.6155

Paulson & Clark Engineering
Structural | Mechanical | Electrical | Security

client

MINNEHAHA CREEK WATERSHED DISTRICT

project

WASSERMANN LAKE PARK - BOARDWALK
COUNTY ROAD 43
VICTORIA, MN 55318

PROJECT NUMBER: 190006

certification

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: Carlos Fernandez
TYPED OR PRINTED NAME: CARLOS FERNANDEZ
DATE: 11/13/2019 REG. NO.: 45414

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: JAK
TYPED OR PRINTED NAME: James A. Krzoska, P.E.
DATE: 11/13/19 REG. NO.: 42425

issue / revision

NO	DATE	ISSUE / REVISION
1	11/13/2019	ISSUE FOR BID

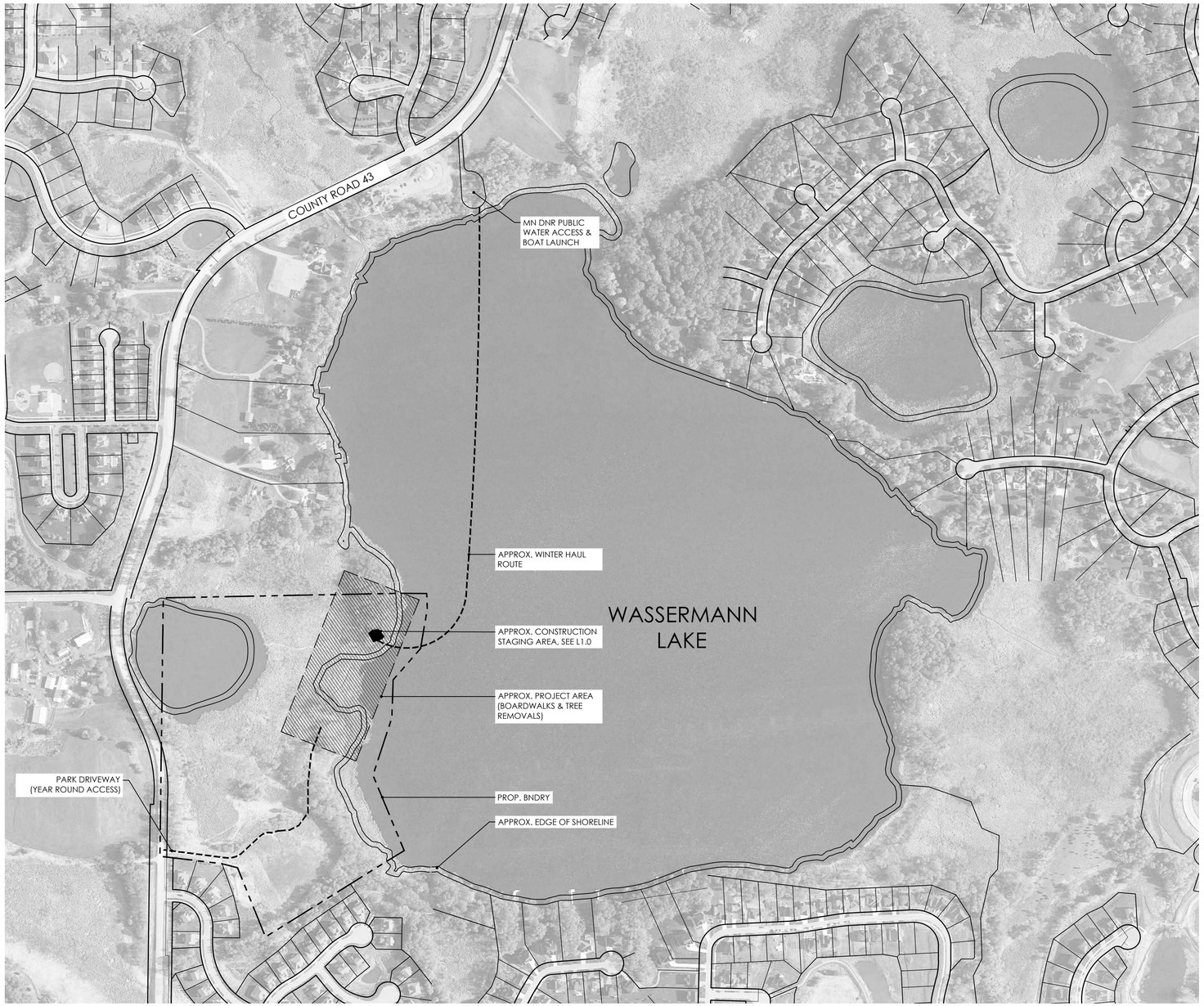
sheet title

COVER

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

DRAWN BY:
CHECKED BY:

COV0.0



aune fernandez landscape architects
755 prior avenue n suite 103,
st. paul, mn 55104
651.341.361 or 651.248.6155

Paulson & Clark Engineering
Structural | Mechanical | Electrical | Security

client

MINNEHAHA CREEK WATERSHED DISTRICT

project

WASSERMANN LAKE PARK - BOARDWALK
COUNTY ROAD 43
VICTORIA, MN 55318

PROJECT NUMBER: 190006

certification

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE:

TYPED OR PRINTED NAME: CARLOS FERNANDEZ

DATE: 11/13/2019 REG. NO.: 45414

issue / revision

NO	DATE	ISSUE / REVISION
1	11/13/2019	ISSUE FOR BID

sheet title

ACCESS ROUTE

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

DRAWN BY:
CHECKED BY:

COV0.1

aune fernandez landscape architects
755 prior avenue n suite 103,
st. paul, mn 55104
651.341.361 or 651.248.6155

Paulson & Clark Engineering
Structural | Mechanical | Electrical | Security

client

MINNEHAHA CREEK WATERSHED DISTRICT

project

WASSERMANN LAKE PARK - BOARDWALK
COUNTY ROAD 43
VICTORIA, MN 55318

PROJECT NUMBER: 190006

certification

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE:

TYPED OR PRINTED NAME: CARLOS FERNANDEZ

DATE: 11/13/2019 REG. NO.: 45414

issue / revision

NO	DATE	ISSUE / REVISION
1	11/13/2019	ISSUE FOR BID

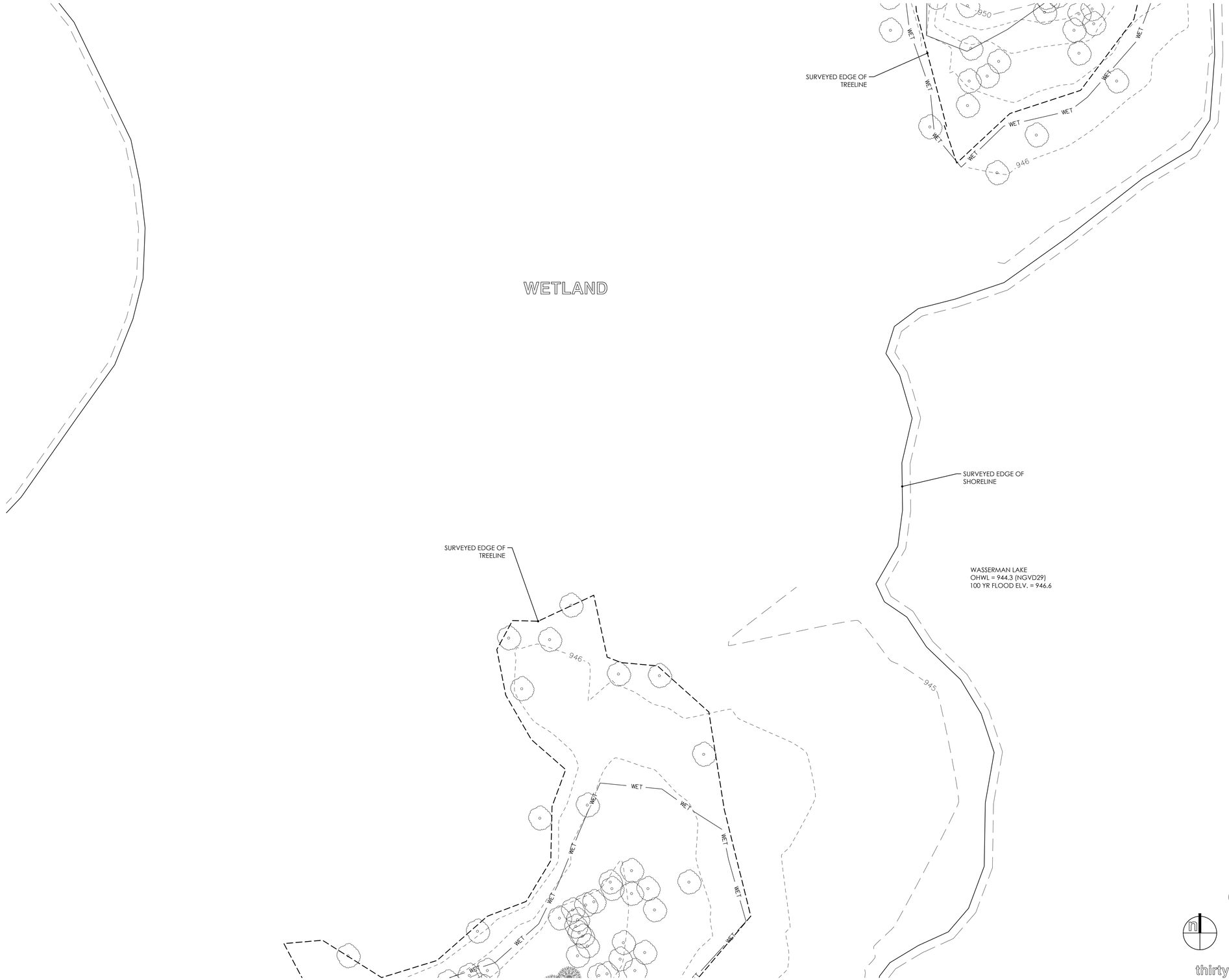
sheet title

EXISTING CONDITIONS

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

DRAWN BY:
CHECKED BY:

L0.1



aune fernandez landscape architects
755 prior avenue n suite 103,
st. paul, mn 55104
651.341.361 or 651.248.6155

Paulson & Clark Engineering
Structural | Mechanical | Electrical | Security

client

MINNEHAHA CREEK WATERSHED DISTRICT

project

WASSERMANN LAKE PARK - BOARDWALK

COUNTY ROAD 43
VICTORIA, MN 55318

PROJECT NUMBER: 190006

certification

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE:

TYPED OR PRINTED NAME: CARLOS FERNANDEZ

DATE: 11/13/2019 REG. NO.: 45414

issue / revision

NO	DATE	ISSUE / REVISION
1	11/13/2019	ISSUE FOR BID

sheet title

EXISTING CONDITIONS

0' 15' 30' 60'

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

DRAWN BY:
CHECKED BY:

L0.2

GENERAL NOTE:
ALL WORK SHOWN ON THIS PAGE WILL BE INCIDENTAL TO BASE BID B AND SHALL BE INCLUDED ON THE BID FORM.

THE SURVEY REFLECTS TREES 4" DBH OR LARGER.

TREE REMOVAL NOTES:
TREES SHOULD BE REMOVED BY CUTTING FLUSH AND FLAT AND NO HIGHER THAN 2" ABOVE THE GROUND.

ANY REQUIRED REMOVAL OF DEAD AND DOWN TREES OR TREES THAT PREVENT THE REMOVAL OF TREES LISTED IN THE PROJECT PLANS WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND THE RESPONSIBILITY OF THE CONTRACTOR. ALL UNLISTED REMOVALS MUST BE APPROVED BY THE PROJECT MANAGER PRIOR TO THE BEGINNING OF WORK.

BURN ALL CUT AND REMOVED MATERIALS ON SITE AT A LOCATION TO BE COORDINATED WITH THE PROJECT MANAGER AND OAK CLEANING AND SELECT REMOVAL PROJECT CONTRACTOR. ANY BURN ASH FROM BURN PILES SHOULD BE DISPERSED TO PREP THE BURN SCAR FOR RESEEDING.

TREE PROTECTION NOTE:
THE BOARDWALK PROJECT REQUIRES WORKING WITHIN AND AROUND EXISTING SPECIMEN TREES. PRIOR TO THE COMMENCEMENT OF WORK, OR MOBILIZATION TO THE SITE, THE CONTRACTOR WILL COORDINATE WITH THE OWNER TO IDENTIFY TREES FOR PROTECTION. THE CONTRACTOR WILL SUBMIT A NOTATED PLAN CONFIRMING THE PERFORMANCE STANDARDS AND EXPECTATION FOR APPROVAL BY THE OWNER.

EQUIPMENT-ASSISTED CUTTING AND HAULING OF LARGE BRUSH AND TREES ARE NOT ALLOWED UNLESS THE WORK UNITS SOILS ARE FROZEN TO A DEPTH OF 6". THE CONTRACTOR SHALL CONSULT WITH THE PROJECT MANAGER TO DETERMINE WHETHER FROST DEPTH IS SUFFICIENT BEFORE ANY EQUIPMENT CAN BE USED. SKID TRAILS LOCATIONS WILL BE DETERMINED IN CONSULTATION WITH THE PROJECT MANAGER AND LANDSCAPE ARCHITECT.

EXTREME CARE SHOULD BE TAKEN TO AVOID DAMAGE TO REMAINING TREES TO PREVENT THE SPREAD OF OAK WILT. ANY WOUNDS OR DAMAGE TO OAK TREES SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER OR LANDSCAPE ARCHITECT TO DETERMINE IF THEY NEED TO BE REMOVED OR PAINTED WITH PRUNING PAINT.

PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE, AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING AND BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. REPLACE TREES AND VEGETATION INDICATED TO REMAIN, WHICH ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER ACCEPTABLE TO OWNER OR TO ARCHITECT.

SITE CLEARING NOTE:
REMOVE TREES, SHRUBS, STUMPS, ROOTS, GRASS, AND OTHER VEGETATION INDICATED FOR REMOVAL ON THE DRAWINGS AND OBSTRUCTIONS INTERFERING WITH INSTALLATION OF NEW CONSTRUCTION.

aune fernandez landscape architects
755 prior avenue n suite 103,
st. paul, mn 55104
651.341.361 or 651.248.6155

Paulson & Clark Engineering
Structural | Mechanical | Electrical | Security

client

MINNEHAHA CREEK WATERSHED DISTRICT

project

WASSERMANN LAKE PARK - BOARDWALK
COUNTY ROAD 43
VICTORIA, MN 55318

PROJECT NUMBER: 190006

certification

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: Carlos Fernandez

TYPED OR PRINTED NAME: CARLOS FERNANDEZ

DATE: 11/13/2019 REG. NO.: 45414

issue / revision

NO	DATE	ISSUE / REVISION
1	11/13/2019	ISSUE FOR BID

sheet title

BASE BID B -
TREE REMOVALS
LOCATOR MAP

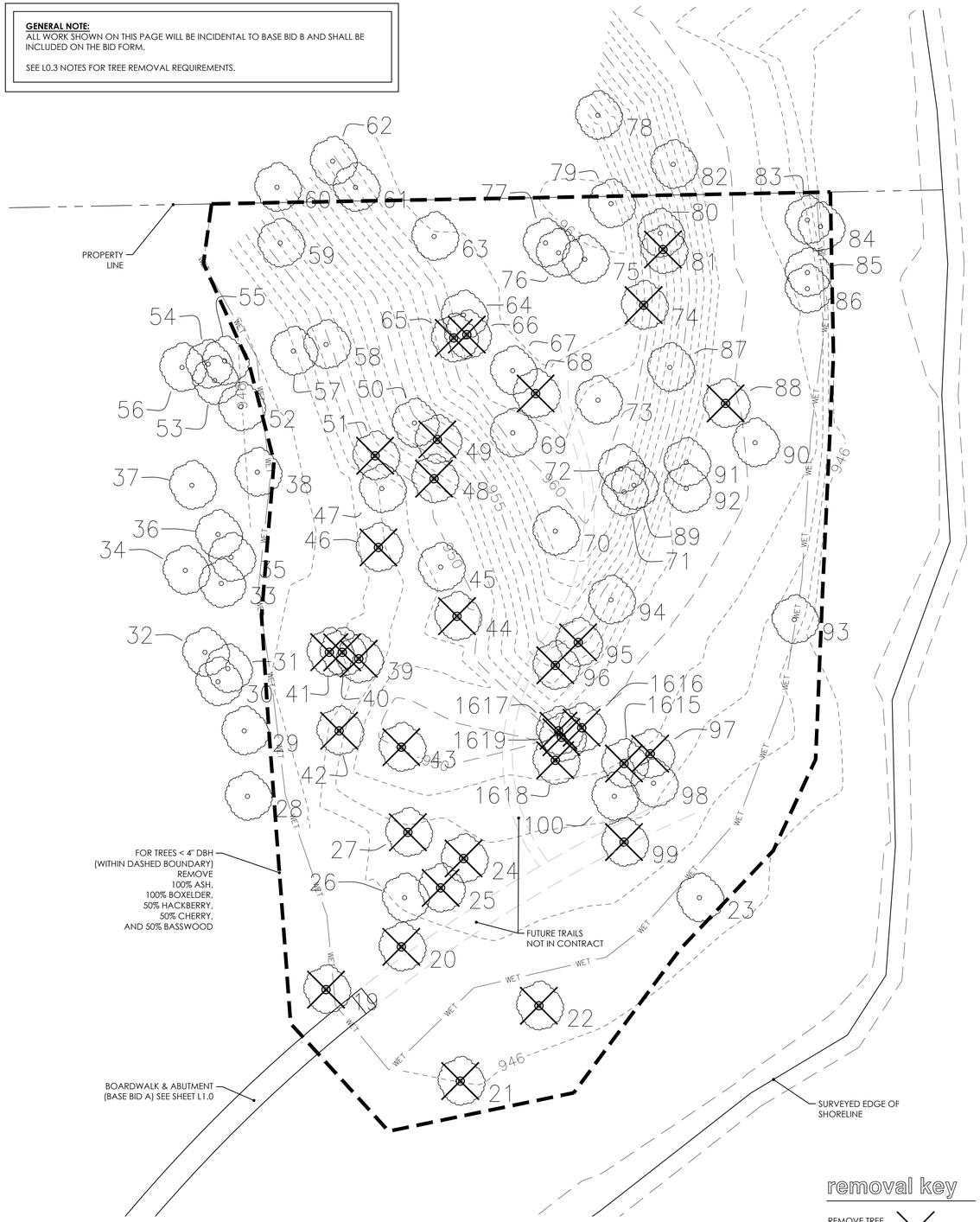
THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

DRAWN BY:
CHECKED BY:

L0.3

GENERAL NOTE:
ALL WORK SHOWN ON THIS PAGE WILL BE INCIDENTAL TO BASE BID B AND SHALL BE INCLUDED ON THE BID FORM.

SEE L0.3 NOTES FOR TREE REMOVAL REQUIREMENTS.

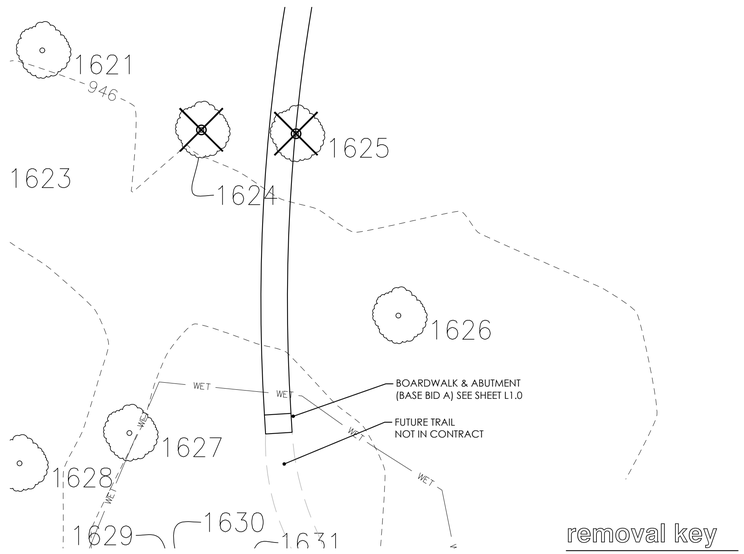


removal key

REMOVE TREE

1 work unit 1 plan

Scale: 1" = 20'



removal key

REMOVE TREE

2 work unit 2 plan

Scale: 1" = 20'

tree removals

Tag ID	Species	Common Name	Condition	DBH (in)	Action
19	populus deltoides	Cottonwood	Live	21	REMOVE
21	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
22	fraxinus pennsylvani	Green Ash	Live	11	REMOVE
24	fraxinus pennsylvani	Green Ash	Live	11	REMOVE
25	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
39	fraxinus pennsylvani	Green Ash	Live	18	REMOVE
40	fraxinus pennsylvani	Green Ash	Live	10	REMOVE
41	fraxinus pennsylvani	Green Ash	Live	8	REMOVE
42	fraxinus pennsylvani	Green Ash	Live	10	REMOVE
43	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
46	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
48	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
49	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
51	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
65	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
66	fraxinus pennsylvani	Green Ash	Live	8	REMOVE
68	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
74	fraxinus pennsylvani	Green Ash	Live	8	REMOVE
79	celtis occidentalis	Hackberry	Live	9	REMOVE
81	tilia americana	Basswood	Live	10	REMOVE
88	tilia americana	Basswood	Live	11	REMOVE
95	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
96	fraxinus pennsylvani	Green Ash	Live	8	REMOVE
97	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
99	prunus serotina	Black Cherry	Live	9	REMOVE
1615	fraxinus pennsylvani	Green Ash	Live	10	REMOVE
1616	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
1617	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
1618	fraxinus pennsylvani	Green Ash	Live	9	REMOVE
1619	fraxinus pennsylvani	Green Ash	Live	8	REMOVE
1624	fraxinus pennsylvani	Green Ash	Live	13	REMOVE
1625	ulmus americana	American Elm	Live	12	REMOVE

aune fernandez landscape architects
755 prior avenue n suite 103,
st. paul, mn 55104
651.341.361 or 651.248.6155

Paulson & Clark Engineering
Structural | Mechanical | Electrical | Security

client

MINNEHAHA CREEK WATERSHED DISTRICT

project

WASSERMANN LAKE PARK - BOARDWALK
COUNTY ROAD 43
VICTORIA, MN 55318

PROJECT NUMBER: 190006

certification

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: Carlos Fernandez

TYPED OR PRINTED NAME: CARLOS FERNANDEZ

DATE: 11/13/2019 REG. NO.: 45414

issue / revision

NO	DATE	ISSUE / REVISION
1	11/13/2019	ISSUE FOR BID

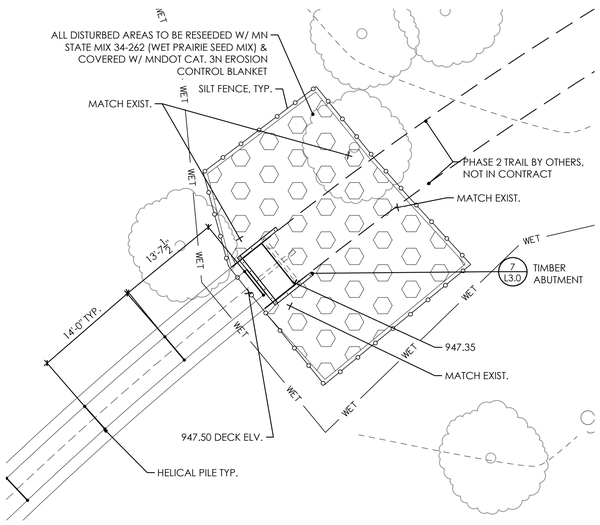
sheet title

BASE BID B -
TREE REMOVALS
REMOVALS PLAN

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

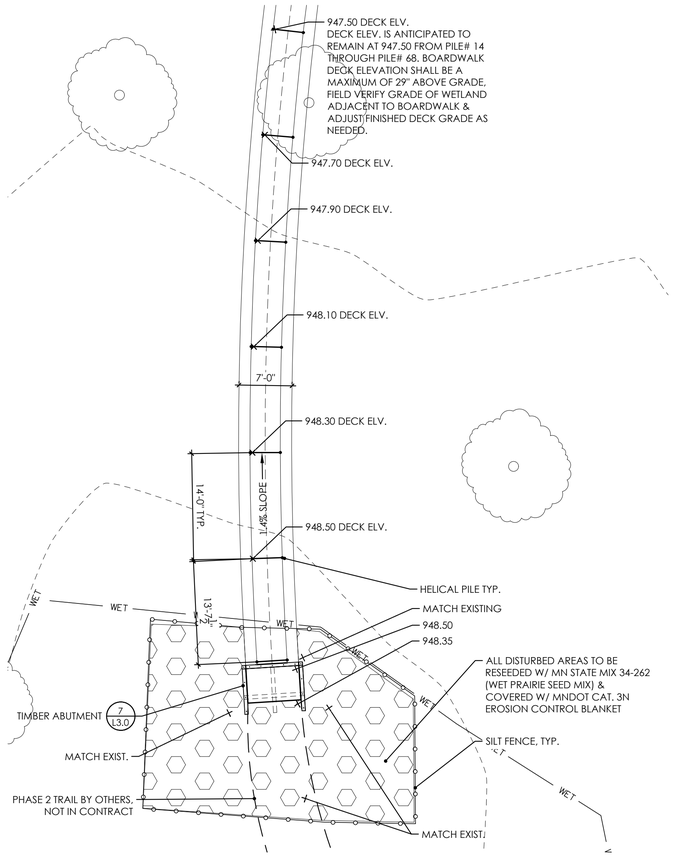
DRAWN BY:
CHECKED BY:

L0.4



1 north abutment plan

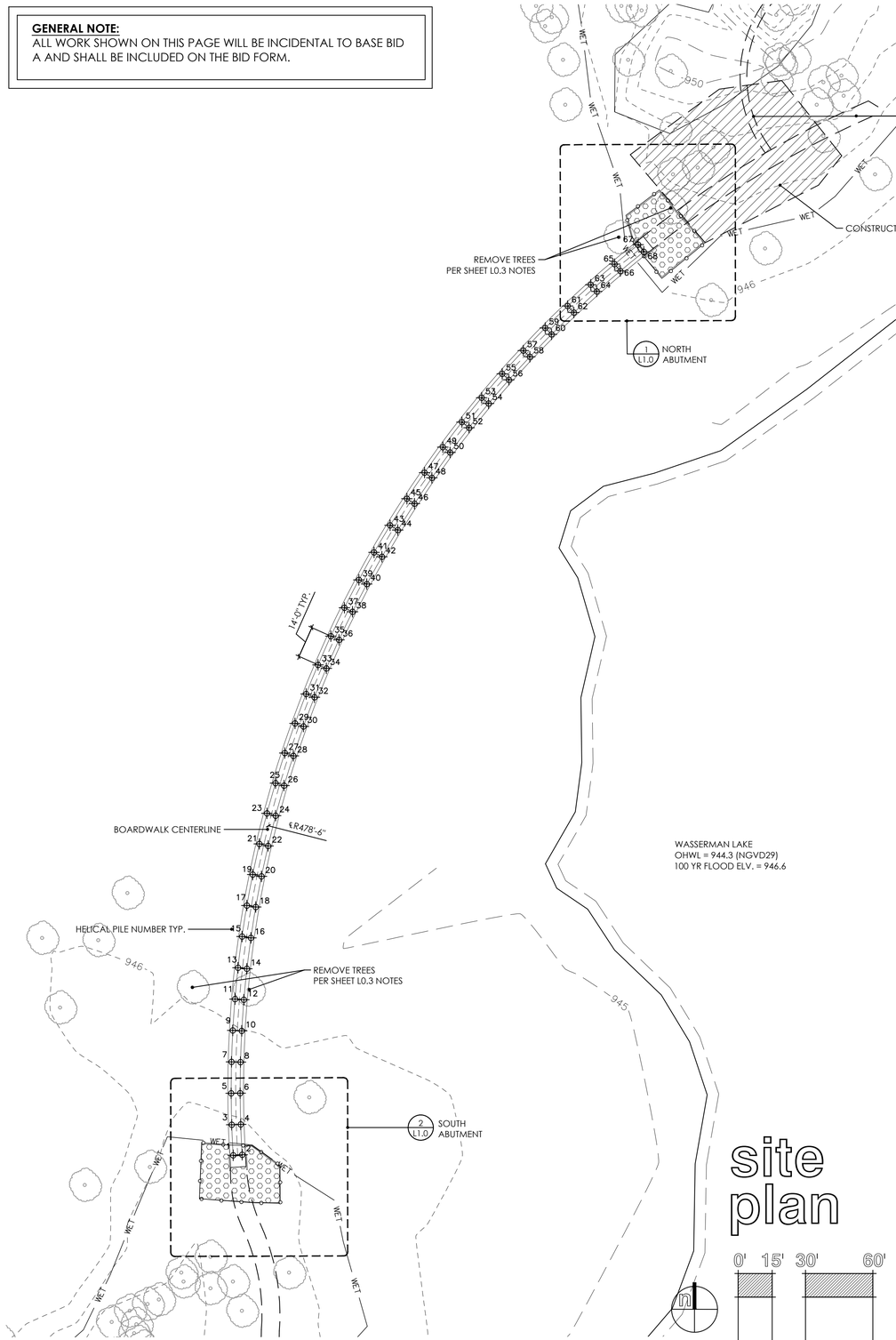
scale: 1" = 10'



2 south abutment plan

scale: 1" = 10'

GENERAL NOTE:
ALL WORK SHOWN ON THIS PAGE WILL BE INCIDENTAL TO BASE BID A AND SHALL BE INCLUDED ON THE BID FORM.



site plan

0' 15' 30' 60'

thirty

HELICAL_PILE_NORTHINGS/EASTINGS			
PILE NUMBER	DESCRIPTION	NORTHING	EASTING
1		N 172849.2065	E 522548.1308
2		N 172849.4556	E 522552.1230
3		N 172862.8163	E 522547.4887
4		N 172862.9480	E 522551.4866
5		N 172876.8134	E 522547.2315
6		N 172876.8286	E 522551.2315
7		N 172890.8121	E 522547.3821
8		N 172890.7108	E 522551.3808
9		N 172904.8005	E 522547.9405
10		N 172904.5827	E 522551.9345
11		N 172918.7666	E 522548.9061
12		N 172918.4326	E 522552.8921
13		N 172932.6987	E 522550.2782
14		N 172932.2488	E 522554.2528
15		N 172946.5850	E 522552.0556
16		N 172946.0194	E 522556.0154
17		N 172960.4135	E 522554.2368
18		N 172959.7329	E 522558.1784
19		N 172974.1726	E 522556.8199
20		N 172973.3775	E 522560.7400
21		N 172987.8507	E 522559.8027
22		N 172986.9416	E 522563.6980
23		N 173001.4360	E 522563.1827
24		N 173000.4138	E 522567.0499
25		N 173014.9171	E 522566.9571
26		N 173013.7827	E 522570.7929
27		N 173028.2825	E 522571.1226
28		N 173027.0369	E 522574.9237
29		N 173041.5210	E 522575.6757
30		N 173040.1651	E 522579.4389
31		N 173054.6211	E 522580.6126
32		N 173053.1561	E 522584.3347
33		N 173067.5719	E 522585.9289
34		N 173065.9991	E 522589.6068
35		N 173080.3622	E 522591.6204
36		N 173078.6830	E 522595.2508
37		N 173092.9814	E 522597.6820
38		N 173091.1971	E 522601.2619
39		N 173105.4186	E 522604.1086
40		N 173103.5308	E 522607.6351
41		N 173117.6633	E 522610.8949
42		N 173115.6736	E 522614.3648
43		N 173129.7051	E 522618.0349
44		N 173127.6151	E 522621.4455
45		N 173141.5338	E 522625.5228
46		N 173139.3454	E 522628.8710
47		N 173153.1394	E 522633.3521
48		N 173150.8543	E 522636.6351
49		N 173164.5119	E 522641.5161
50		N 173162.1322	E 522644.7312
51		N 173175.6418	E 522650.0080
52		N 173173.1694	E 522653.1524
53		N 173186.5195	E 522658.8205
54		N 173183.9566	E 522661.8916
55		N 173197.1360	E 522667.9462
56		N 173194.4846	E 522670.9413
57		N 173207.4820	E 522677.3773
58		N 173204.7445	E 522680.2938
59		N 173217.5490	E 522687.1058
60		N 173214.7277	E 522689.9413
61		N 173227.3281	E 522697.1235
62		N 173224.4255	E 522699.8756
63		N 173236.8114	E 522707.4216
64		N 173233.8298	E 522710.0881
65		N 173245.9906	E 522717.9918
66		N 173242.9326	E 522720.5703
67		N 173254.6230	E 522728.5288
68		N 173251.4929	E 522731.0194

aune fernandez landscape architects
755 prior avenue n suite 103, st. paul, mn 55104
651.341.361 or 651.248.6155

Paulson & Clark Engineering
Structural | Mechanical | Electrical | Security

client

MINNEHAHA CREEK WATERSHED DISTRICT

project

WASSERMANN LAKE PARK - BOARDWALK
COUNTY ROAD 43
VICTORIA, MN 55318

PROJECT NUMBER: 190006

certification

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: Carlos Fernandez

TYPED OR PRINTED NAME: CARLOS FERNANDEZ

DATE: 11/13/2019 REG. NO.: 45414

issue / revision

NO	DATE	ISSUE / REVISION
1	11/13/2019	ISSUE FOR BID

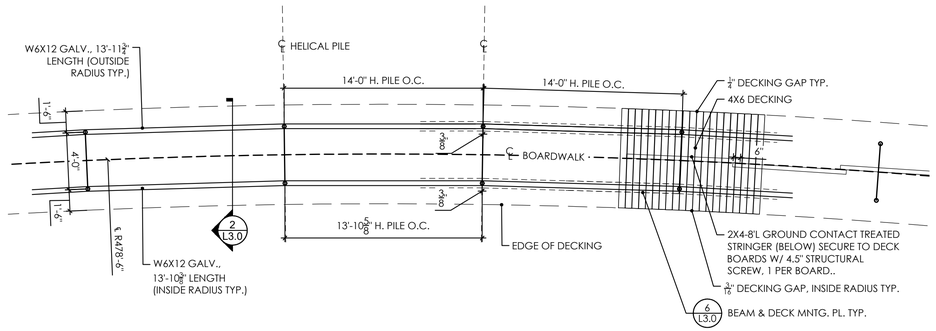
sheet title

BASE BID A -
BOARDWALK
SITE PLAN

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

DRAWN BY:
CHECKED BY:

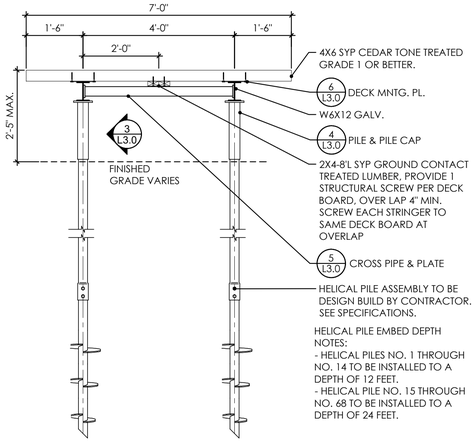
L1.0



WIDE FLANGE SIZES	
W6X12 OUTSIDE RADIUS	LENGTH: 13'-11 3/4"
W6X12 INSIDE RADIUS	LENGTH: 13'-10 5/8"

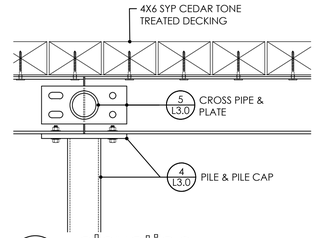
*PROVIDE SHOP DRILLED MOUNTING HOLES THROUGH BOTTOM FLANGE FOR MOUNTING TO PILE CAP DETAIL. END W SECTIONS TO ACCOUNT FOR DIMENSION CHANGE FOR FULL CAP PLATE OVERLAP. ALL WIDE FLANGES TO BE GALV.

1 boardwalk - detail plan
Scale: 3/16" = 1'-0"



2 boardwalk - section
Scale: 1/2" = 1'-0"

GENERAL NOTES:
-ALL WORK SHOWN ON THIS PAGE WILL BE INCIDENTAL TO BASE BID A AND SHALL BE INCLUDED ON THE BID FORM.
-ALL BOLTS TO BE 3/4" GALV. BOLT & NUT ASSEMBLY
-ALL STEEL COMPONENTS TO BE GALVANIZED



3 elevation
Scale: 1-1/2" = 1'-0"

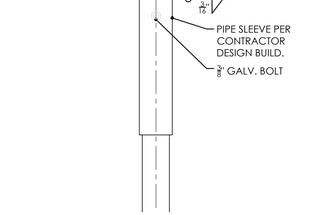
aune fernandez landscape architects
755 prior avenue n suite 103, st. paul, mn 55104
651.341.361 or 651.248.6155

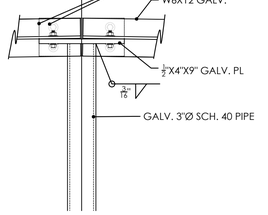
Paulson & Clark Engineering
Structural | Mechanical | Electrical | Security

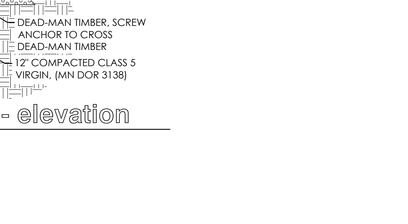
client
MINNEHAHA CREEK WATERSHED DISTRICT

project
WASSERMANN LAKE PARK - BOARDWALK
COUNTY ROAD 43
VICTORIA, MN 55318

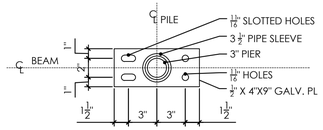
PROJECT NUMBER: 190006



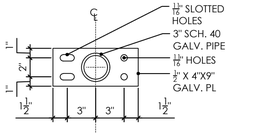




7 timber abutment & terminal boardwalk segment - plan
Scale: 3/8" = 1'-0"

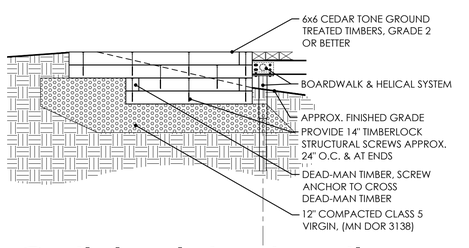


4 pile & pile cap
Scale: 1-1/2" = 1'-0"

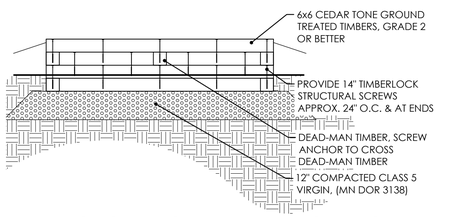


5 cross pipe & plate
Scale: 1-1/2" = 1'-0"

6 deck mntg. plate
Scale: 1-1/2" = 1'-0"



8 timber abutment - section
Scale: 3/8" = 1'-0"



9 timber abutment - elevation
Scale: 3/8" = 1'-0"

certification

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: Carlos Fernandez
TYPED OR PRINTED NAME: CARLOS FERNANDEZ
DATE: 11/13/2019 REG. NO.: 45414

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: James A. Krzoska
TYPED OR PRINTED NAME: James A. Krzoska, P.E.
DATE: 11/13/19 REG. NO.: 42425

issue / revision

NO	DATE	ISSUE / REVISION
1	11/13/2019	ISSUE FOR BID

sheet title
BASE BID A - BOARDWALK DETAILS

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

DRAWN BY:
CHECKED BY:

L3.0

WASSERMANN LAKE PARK SUPPLEMENTAL PERMIT INFORMATION

Waterbody Crossings and Structure

CRITERIA

A. This project meets a demonstrated public benefit by providing public access to the unique features of the Wassermann Lake Park site, including a 22 acre wetland, a unique upland "island" created by remnant glacial till in the wetland that is otherwise inaccessible, and, in a future construction phase, and fishing pier providing public enjoyment of Wassermann Lake. The boardwalk project component is part of a larger restoration project that improves water quality to Wassermann Lake through stream channel restoration and alum treatment, enhances habitat through wetland, woodland, and prairie restoration, and creates a unique nature park for public enjoyment. The boardwalk component is a critical piece of this overall site enhancement.
B. The project results in no change to hydrologic capacity. The fill associated with the helical piers amounts to 2.272 cubic feet and results in no flood stage bounce, with calculations showing the result is .00000031 ft bounce in 100 year conditions.
C. This area is not used for navigation and, therefore, this provision is not required.
D. The boardwalk deck elevation will remain 29" above wetland grade throughout the project, providing ample spacing for wildlife passage
E. The sites erosion control plan will ensure no negative impact to water quality during installation of the boardwalk.
F. <u>Alternative 1: No Build</u>
   The alternative is not feasible because it would not meet the goals of the project: proving public access at Wassermann Lake Park.
   <u>Alternative 2: Bituminous Trail</u>
   A bituminous trail connecting the main park area to the upland "island" through the wetland is infeasible because it would result in larger natural resource impact, including requiring wetland fill in order to meet subgrade requirements for bituminous trail.

Erosion Control

CONSTRUCTION METHODS

The boardwalk construction has three parts. Below is an explanation of erosion control needs and measures for each project component

Winter Tree Removal

Six inch front depth is required for winter tree removal, ensuring that the ground conditions are not disturbed during the course of work. Furthermore, the trees are being cut within two inches of the ground and left, so no subsurface disturbance is proposed.

Boardwalk Construction

The boardwalk will be built in winter frozen conditions. The only ground disturbance will occur during the installation of the helical piers, which are drilled into the ground. Because this is done in frozen conditions, it will not result in mobilization of ground materials above the surface.

Abutment Construction

The abutment construction will occur either in frozen conditions by heating and thawing the ground surface or in the spring. The installation is designed to be done by hand, by digging down 24-36" to install a wood timber frame which is then backfilled. Any area of disturbance will be reseeded. If the contractors do elect to use equipment for the digging, they will have to open the silt fence to enter the area and will be requirement to fully enclose the work area.

Floodplain Rule

The net fill associated with the helical piers for the boardwalk project 2.272 cubic feet or 0.0841 cubic yards. Because there is a net fill associated with the project, the project team has applied criteria 3(c) which demonstrates that the total bounce in 100 year flood elevation if that amount of fill is added to every property around the lake is 9.22 millionths of a foot. See the Wassermann Lake Fill Calculation Sheet for more information.

Wasserman Lake Information

OHWL	944.3	ft
100-YR HWL	946.6	ft
Lake Area	169.68	ac

Helical Peirs

Helical Diameter	2.875	in
Helical Radius	1.4375	
Helical Thickness	0.254	in
Helical Pier X-section Area	0.0145	s.f.
Number of Proposed Piers in Project	76	
Total Net fill of Entire Project	2.539	Cu. Ft.
No. of Properties on Wasserman Lake	30	
Net Fill multiplied by No. of Properties	76.164	Cu. Ft.

Increase in Lake Elevation	**0.00001030**	**ft**	(10.30 millionths of a foot)
Allowable Increase in Lake Elevation	**0.00440000**	**ft**	

Minnesota Wetland Conservation Act
Notice of Decision

Local Government Unit (LGU)	Address
Minnehaha Creek Watershed District	**15320 Minnetonka Blvd Minnetonka, MN 55345**

1. PROJECT INFORMATION

Applicant Name	Project Name	Date of Application	Application Number
Minnehaha Creek Watershed District-Anna Brown	**Wassermann West**	**10/17/2017 Complete**	**W17-47**

☒ Attach site locator map ☒ Attach approved boundaries

Type of Decision:

☒ Wetland Boundary or Type ☐ No-Loss ☐ Exemption ☐ Sequencing
☐ Replacement Plan ☐ Banking Plan

Technical Evaluation Panel Findings and Recommendation (if any):

☐ Approve ☐ Approve with conditions ☐ Deny

Summary (or attach):

2. LOCAL GOVERNMENT UNIT DECISION

Date of Decision: **12/11/2017**

☒ Approved ☐ Approved with conditions (include below) ☐ Denied

LGU Findings and Conclusions (attach additional sheets as necessary):

The Minnehaha Creek Watershed District has applied for a wetland boundary & type confirmation for the wetlands located on the subject property PIDs 650230600 and 650230700 in the City of Victoria, Carver County, Minnesota. Legal description: Section 23, Township 116, Range 24. The boundary & type approval was requested October 17, 2017.

A wetland delineation was conducted by Wenck Associates on October 9, 2017. A complete delineation report and WCA application were submitted to MCWD on October 17, 2017. Four wetlands and one waterbody were delineated within the project area. Wetland 1 was identified as a Type 1/2/3/4, fresh (wet) meadow/shallow marsh/deep marsh complex (Public Water Basin 10004800), Wetland 2 was identified as a Type 2 wet meadow wetland, and Wetlands 3 and 4 were identified as a Type 1/2 forested/wet meadow riparian wetlands.

MCWD reviewed the boundary and types in the field on October 31st, 2017. MCWD was in agreement with the boundary and types identified on site.

MCWD approves the wetland boundary and types as documented in the delineation report submitted on October 17, 2017 and delineated in the field on October 9th, 2017. This decision is valid for five years. A future project located on this property may require a permit from the MCWD.

For Replacement Plans using credits from the State Wetland Bank:

Bank Account #	Bank Service Area	County	Credits Approved for Withdrawal (sq. ft. or nearest .01 acre)

Replacement Plan Approval Conditions. In addition to any conditions specified by the LGU, the approval of a Wetland Replacement Plan is conditional upon the following:

☐ **Financial Assurance:** For project-specific replacement that is not in-advance, a financial assurance specified by the LGU must be submitted to the LGU in accordance with MN Rule 8420.0522, Subp. 9 (List amount and type in LGU Findings).

☐ **Deed Recording:** For project-specific replacement, evidence must be provided to the LGU that the BWSR "Declaration of Restrictions and Covenants" and "Consent to Replacement Wetland" forms have been filed with the county recorder's office in which the replacement wetland is located.

☐ **Credit Withdrawal:** For replacement consisting of wetland bank credits, confirmation that BWSR has withdrawn the credits from the state wetland bank as specified in the approved replacement plan.

Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above. If additional details on the decision exist, they have been provided to the landowner and are available from the LGU upon request.		
Name **Elizabeth Showalter**	Title **Permitting Technician**	
Signature 	Date **12/11/2017**	Phone Number and E-mail **(952) 641-4518** **eshowalter@minnehahacreek.org**

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT. Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

3. APPEAL OF THIS DECISION

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, including applicable fee, within thirty (30) calendar days of the date of the mailing of this Notice to the following as indicated:

Check one:

☒ Appeal of an LGU staff decision. Send petition and $0 fee (if applicable) to: **Minnehaha Creek Watershed District** **15320 Minnetonka Blvd** **Minnetonka, MN 55345**	☐ Appeal of LGU governing body decision. Send petition and $500 filing fee to: Executive Director Minnesota Board of Water and Soil Resources 520 Lafayette Road North St. Paul, MN 55155

4. LIST OF ADDRESSEES

☒ SWCD TEP member: **Aaron Finke – afinke@co.carver.us**
☒ BWSR TEP member: **Ben Carlson – ben.carlson@state.mn.us**
☐ LGU TEP member (if different than LGU Contact):
☒ DNR TEP **Becky Horton- becky.horton@state.mn.us**
☒ DNR Regional Office (if different than DNR TEP member): **jennie.skancke@state.mn.us**
☐ WD or WMO (if applicable):
☒ Applicant (notice only) and Landowner (if different): **Anna Brown-abrown@minnehahacreek.org**
☒ Members of the public who requested notice (notice only): **blandhauser@ci.victoria.mn.us**
☒ Corps of Engineers Project Manager (notice only): **Ryan Malterud-Ryan.M.Malterud@usace.army.mil**
☐ BWSR Wetland Bank Coordinator (wetland bank plan applications only)

5. MAILING INFORMATION

➢For a list of BWSR TEP representatives: www.bwsr.state.mn.us/aboutbwsr/workareas/WCA_areas.pdf

➢For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR_TEP_contacts.pdf

➢Department of Natural Resources Regional Offices:

NW Region:	NE Region:	Central Region:	Southern Region:
Reg. Env. Assess. Ecol. Div. Ecol. Resources 2115 Birchmont Beach Rd. NE Bemidji, MN 56601	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1201 E. Hwy. 2 Grand Rapids, MN 55744	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1200 Warner Road St. Paul, MN 55106	Reg. Env. Assess. Ecol. Div. Ecol. Resources 261 Hwy. 15 South New Ulm, MN 56073

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

➢For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687 or send to:

US Army Corps of Engineers
St. Paul District, ATTN: OP-R
180 Fifth St. East, Suite 700
St. Paul, MN 55101-1678

➢For Wetland Bank Plan applications, also send a copy of the application to:

Minnesota Board of Water and Soil Resources
Wetland Bank Coordinator
520 Lafayette Road North
St. Paul, MN 55155

6. ATTACHMENTS

In addition to the site locator map, list any other attachments:
☐
☐
☐

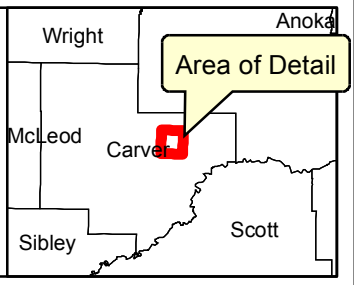
World Topo Map (Source: ESRI)

2,000 1,000 0 2,000 Feet

N

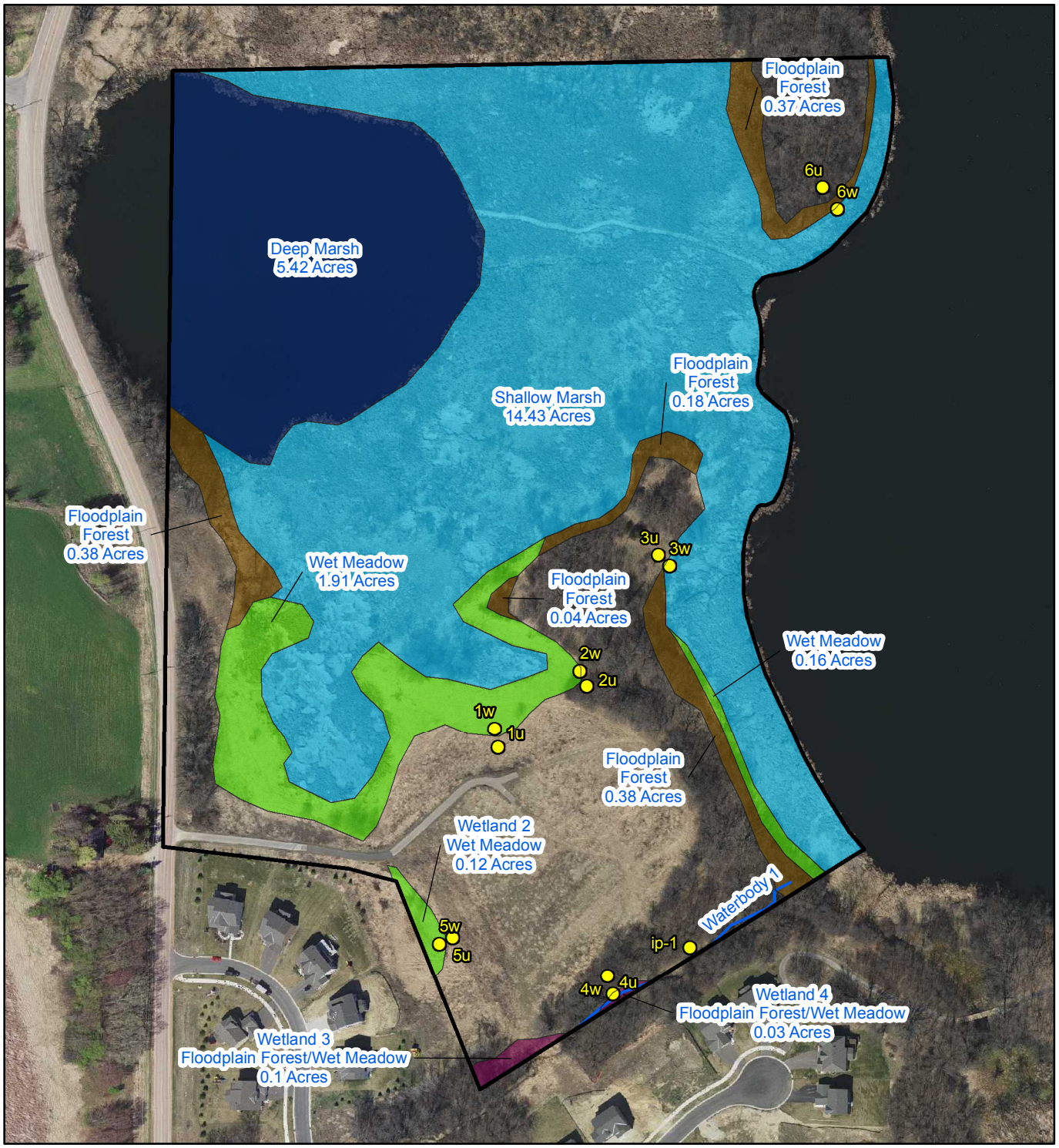
Property Boundary

Section Boundary



Path: L:\0185\0062\mxd\Delineation Figures\Site Location.mxd
Date: 10/10/2017Time: 1:19:25 PM User: WatME0697

MCWD	WENCK ASSOCIATES Responsive partner. Exceptional outcomes.	OCT 2017
Site Location		Figure 1



MCWD

Delineated Features (Revised November 2017)

WENCK ASSOCIATES
Responsive partner. Exceptional outcomes.

NOV 2017

Figure 5

Minnesota Wetland Conservation Act
Notice of Decision

Local Government Unit (LGU)	Address
Minnehaha Creek Watershed District	**15320 Minnetonka Blvd** **Minnetonka, MN 55345**

1. PROJECT INFORMATION

Applicant Name	Project Name	Date of Application	Application Number
MCWD	**Wasserman West**	**10/12/18**	**W18-39**

☒ Attach site locator map

Type of Decision:

☒ Wetland Boundary or Type ☐ No-Loss ☐ Exemption ☐ Sequencing
☐ Replacement Plan ☐ Banking Plan

Technical Evaluation Panel Findings and Recommendation (if any):

☒ Approve ☐ Approve with conditions ☐ Deny

Summary (or attach):

Ben Carlson (BWSR) and Aaron Finke (Carver SWCD) attended the field verification and were in agreement with the boundaries.

2. LOCAL GOVERNMENT UNIT DECISION

Date of Decision: 11/7/18

☒ Approved ☐ Approved with conditions (include below) ☐ Denied

LGU Findings and Conclusions (attach additional sheets as necessary):

Minnehaha Creek Watershed District has applied for wetland boundary & type confirmation for the wetlands located at PIDs 653210410, 653210370, and 653210420 in the City of Victoria, Carver County, Minnesota. Legal description: Section 23, Township 116, Range 24. The boundary/type approval was requested on October 12, 2018. following wetlands were delineated by Wenck Associates, Inc, on October 5, 2018:

Wetland ID	Circle 39	Cowardin	Eggers and Reed
1	Type 1/3	PFO1A/PEM1C	Floodplain forest/shallow marsh,
2	Type 2	PEMB	Wet meadow
3	Type 3	PEM1C	Shallow marsh
4	Type 1/2	PFOA/PEMB	Forested/wet meadow
5	Type 2	PEM1B	Wet meadow

The boundaries were reviewed in the field on October 25, 2018, and all parties were in agreement with the proposed boundaries MCWD approves the wetland boundaries and types as delineated in the field and documented in the delineation report. This decision is valid for five years. A future project may require a permit from MCWD.

For Replacement Plans using credits from the State Wetland Bank:

Bank Account #	Bank Service Area	County	Credits Approved for Withdrawal (sq. ft. or nearest .01 acre)

Replacement Plan Approval Conditions. In addition to any conditions specified by the LGU, the approval of a Wetland Replacement Plan is conditional upon the following:

☐ **Financial Assurance:** For project-specific replacement that is not in-advance, a financial assurance specified by the LGU must be submitted to the LGU in accordance with MN Rule 8420.0522, Subp. 9 (List amount and type in LGU Findings).

☐ **Deed Recording:** For project-specific replacement, evidence must be provided to the LGU that the BWSR "Declaration of Restrictions and Covenants" and "Consent to Replacement Wetland" forms have been filed with the county recorder's office in which the replacement wetland is located.

☐ **Credit Withdrawal:** For replacement consisting of wetland bank credits, confirmation that BWSR has withdrawn the credits from the state wetland bank as specified in the approved replacement plan.

Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above. If additional details on the decision exist, they have been provided to the landowner and are available from the LGU upon request.		
Name **Elizabeth Showalter**	Title **Permitting Technician**	
Signature 	Date **11/7/18**	Phone Number and E-mail **(952) 641-4518** **eshowalter@minnehahacreek.org**

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT. Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

3. APPEAL OF THIS DECISION

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, including applicable fee, within thirty (30) calendar days of the date of the mailing of this Notice to the following as indicated:

Check one:

☒ Appeal of an LGU staff decision. Send petition and $100 fee to: **Minnehaha Creek Watershed District** **15320 Minnetonka Blvd** **Minnetonka, MN 55345**	☐ Appeal of LGU governing body decision. Send petition and $500 filing fee to: Executive Director Minnesota Board of Water and Soil Resources 520 Lafayette Road North St. Paul, MN 55155

4. LIST OF ADDRESSEES

☒ SWCD TEP member: **Aaron Finke (Carver)-afinke@co.carver.mn.us**
☒ BWSR TEP member: **Ben Carlson-ben.carlson@state.mn.us**
☐ LGU TEP member (if different than LGU Contact):
☒ DNR TEP **Becky Horton**-becky.horton@state.mn.us
☒ DNR Regional Office (if different than DNR TEP member): **Jennie Skancke- (Carver)-jennie.skancke@state.mn.us**
☐ WD or WMO (if applicable):
☒ Applicant (notice only) and Landowner (if different): **Anna Brown-**
☒ Members of the public who requested notice (notice only): **Pat Smith- psmith@ci.victoria.mn.us, Meaghan Watson-mwatson@wenck.com, Cara Geheren-cara.geheren**
☒ Corps of Engineers Project Manager (notice only): **Justin Berndt-Justin.T.Berndt@usace.army.mil**
☐ BWSR Wetland Bank Coordinator (wetland bank plan applications only)

5. MAILING INFORMATION

- For a list of BWSR TEP representatives: www.bwsr.state.mn.us/aboutbwsr/workareas/WCA_areas.pdf
- For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR_TEP_contacts.pdf
- Department of Natural Resources Regional Offices:

NW Region:	NE Region:	Central Region:	Southern Region:
Reg. Env. Assess. Ecol. Div. Ecol. Resources 2115 Birchmont Beach Rd. NE Bemidji, MN 56601	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1201 E. Hwy. 2 Grand Rapids, MN 55744	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1200 Warner Road St. Paul, MN 55106	Reg. Env. Assess. Ecol. Div. Ecol. Resources 261 Hwy. 15 South New Ulm, MN 56073

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

- For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687 or send to:

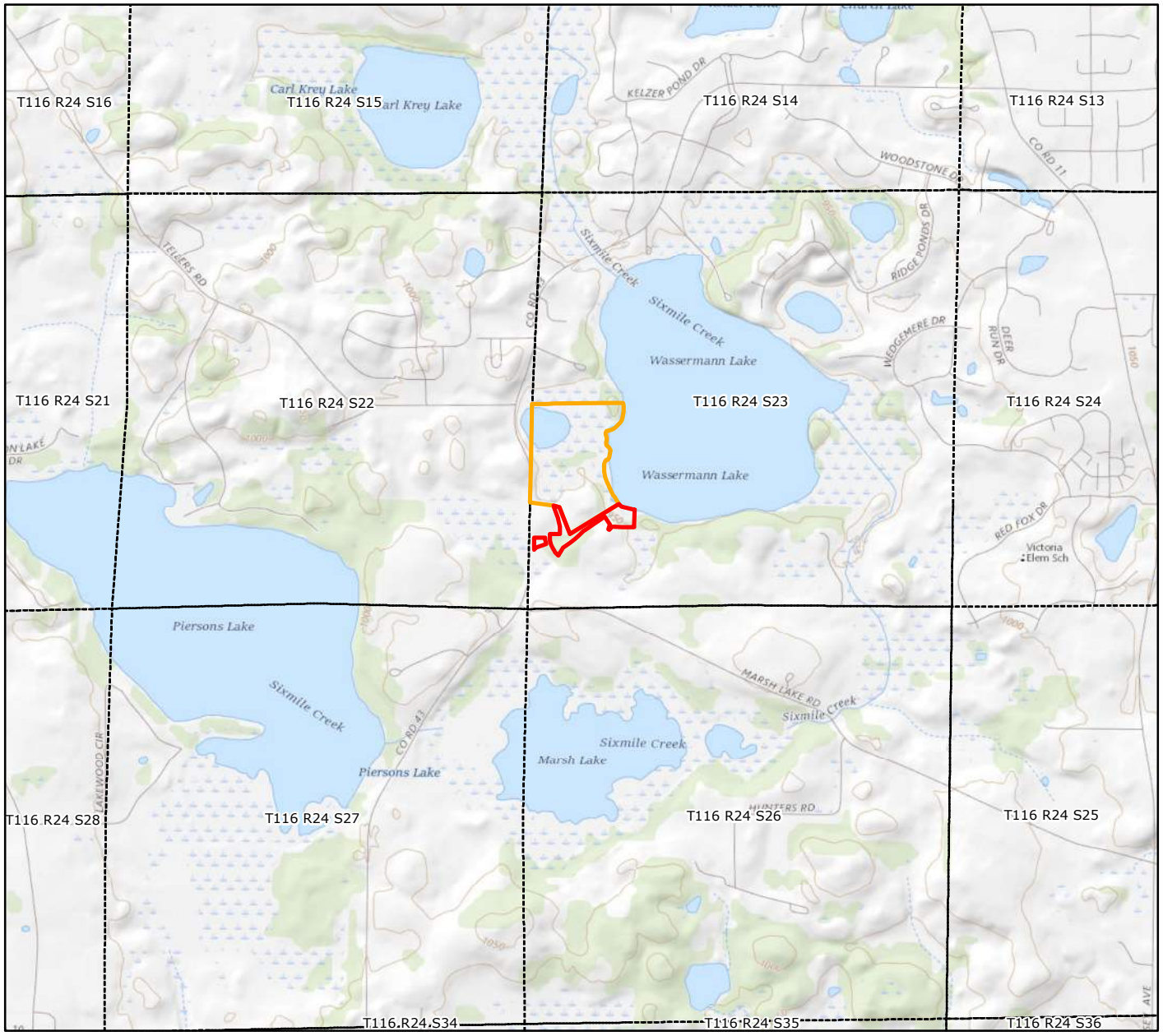
US Army Corps of Engineers
St. Paul District, ATTN: OP-R
180 Fifth St. East, Suite 700
St. Paul, MN 55101-1678

- For Wetland Bank Plan applications, also send a copy of the application to:

Minnesota Board of Water and Soil Resources
Wetland Bank Coordinator
520 Lafayette Road North
St. Paul, MN 55155

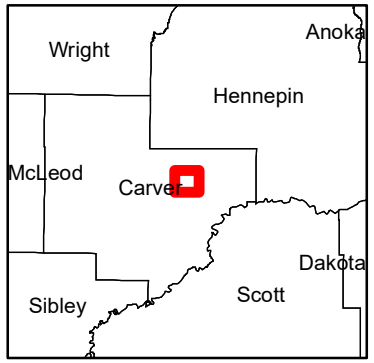
6. ATTACHMENTS

In addition to the site locator map, list any other attachments:
☒ **Approved wetland boundaries**



Legend

- 2018 Investigated Area
- 2017 Investigated Areas
- Section Boundary



N

2,000 1,000 0 2,000

Feet

Path: L:\0185\0082\mxd\Site Location.mxd
Date: 10/11/2018Time: 8:53:14 AM User: WatME0697

MINNEHAHA CREEK WATERSHED DISTRICT

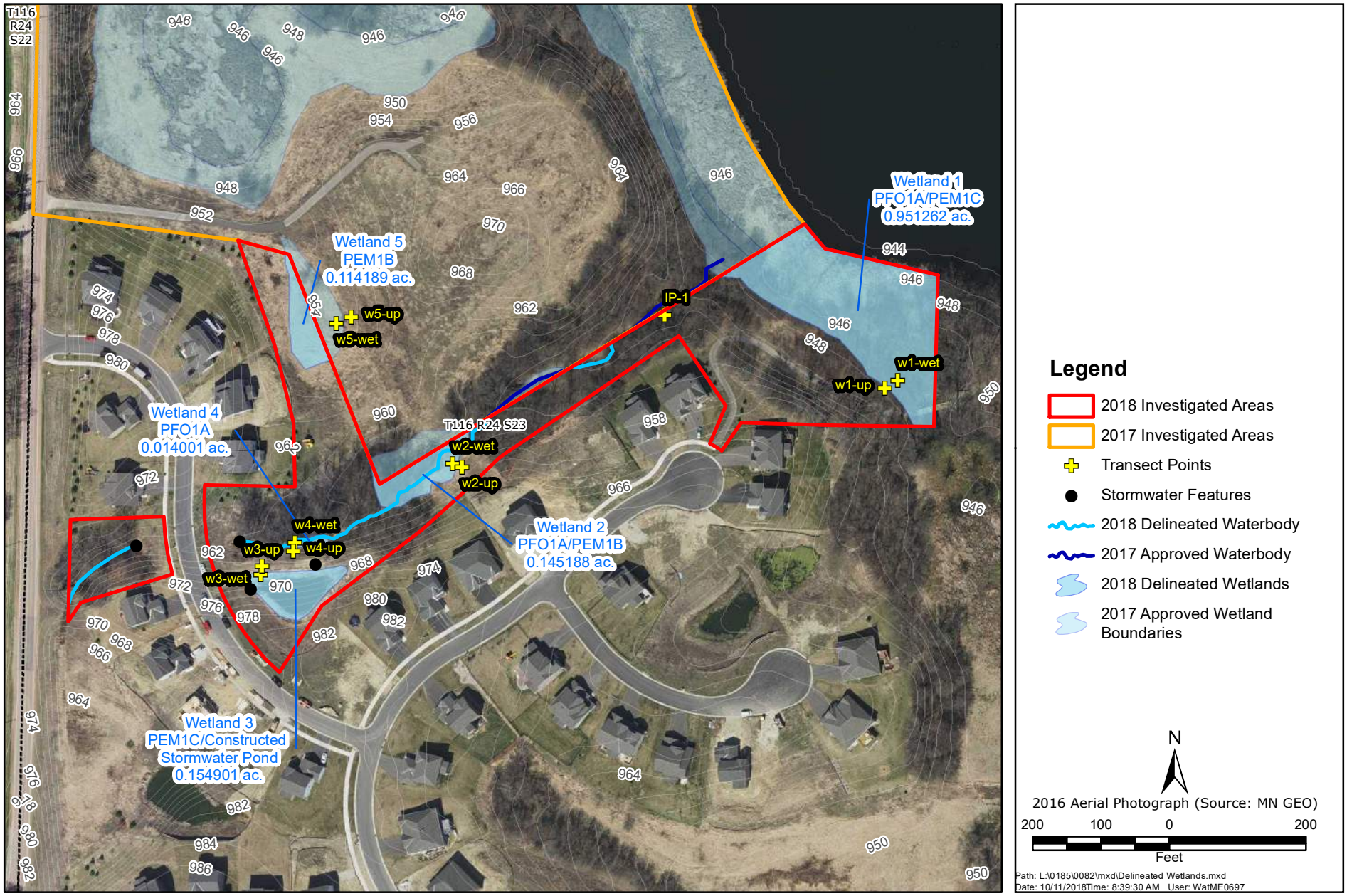
Site Location Map

WENCK

Responsive partner. Exceptional outcomes.

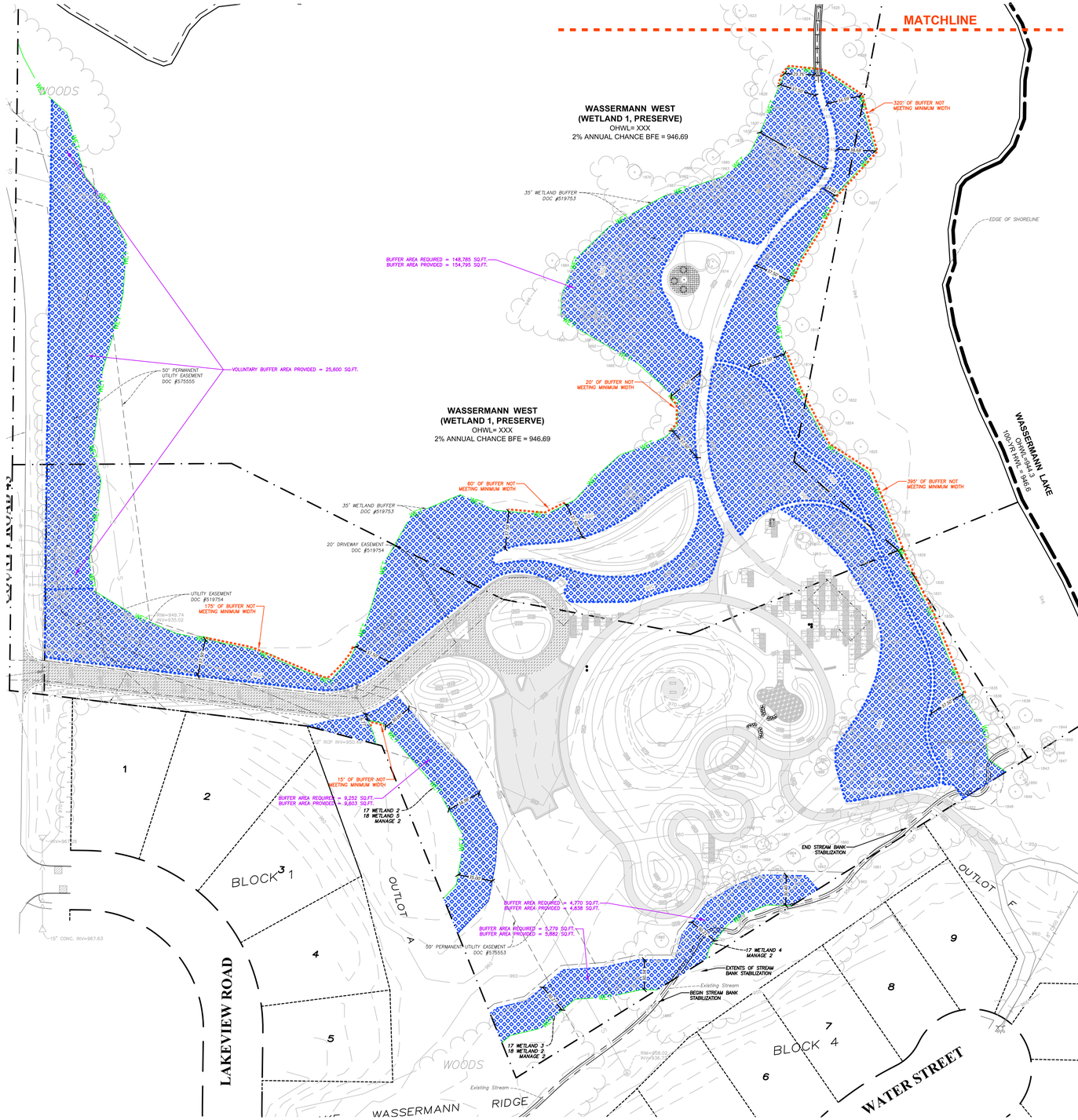
OCT 2018

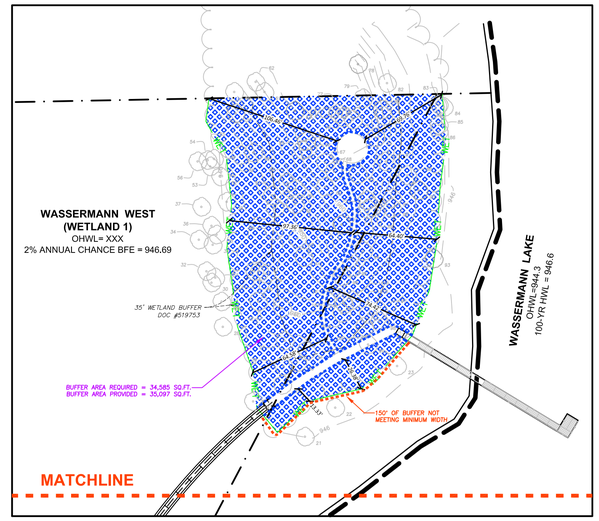
Figure 1



MINNEHAHA CREEK WATERSHED DISTRICT	WENCK Responsive partner. Exceptional outcomes.	OCT 2018
Delineated Features		Figure 5

Attachment 8





PROGRESS PRINT
12-11-19

LEGEND

PROPOSED WETLAND BUFFER AREA

N

0 30 60 120 180
Scale in Feet

aune fernandez landscape architects
755 prior avenue : suite 103
st. paul : MN : 55104
651.248.6155 or 651.341.3611

Rehder & Associates, Inc.
Civil Engineers, Planners & Land Surveyors

LANDBRIDGE ECOLOGICAL

Paulson & Clark Engineering
Structural | Mechanical | Electrical | Security

client

MINNEHAHA CREEK WATERSHED DISTRICT & CITY OF VICTORIA

project

WASSERMANN LAKE PARK

COUNTY RD 43
VICTORIA, MN 55318

AFLA NO: 190006

certification

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 [illegible] under the laws of the State of Minnesota.

PRELIMINARY NOT FOR CONSTRUCTION

SIGNATURE: _____

TYPED OR PRINTED NAME: _____

DATE: _____ REG. NO.: _____

issue / revision

NO	DATE	ISSUE / REVISION
1	10/30/2019	60% COST SUBMITTAL

sheet title

WETLAND BUFFER EXHIBIT

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

FILE:
DRAWN BY:NPA
CHECKED BY: BGF
PROJ. NO: 190006
DRAWING NO:

C6