

# OFFICIAL DISTRICT ENGR'S REPORT

BT

## RICE CREEK WATERSHED DISTRICT

### CONSENT AGENDA

September 12, 2001

It was moved by \_\_\_\_\_ ~~o~~ \_\_\_\_\_ and seconded by  
\_\_\_\_\_ ~~o~~ \_\_\_\_\_ to approve, table with authorization for administrative action,  
or table the Permit Applications noted in the following table of contents in accordance with the  
District Engineer's Findings and Recommendations, as contained in the Engineer's Report dated  
September 7, 2001. ~~o~~

TENTATIVE MINUTES  
SEPTEMBER 12, 2001

**RICE CREEK WATERSHED DISTRICT**

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**September 12, 2001**

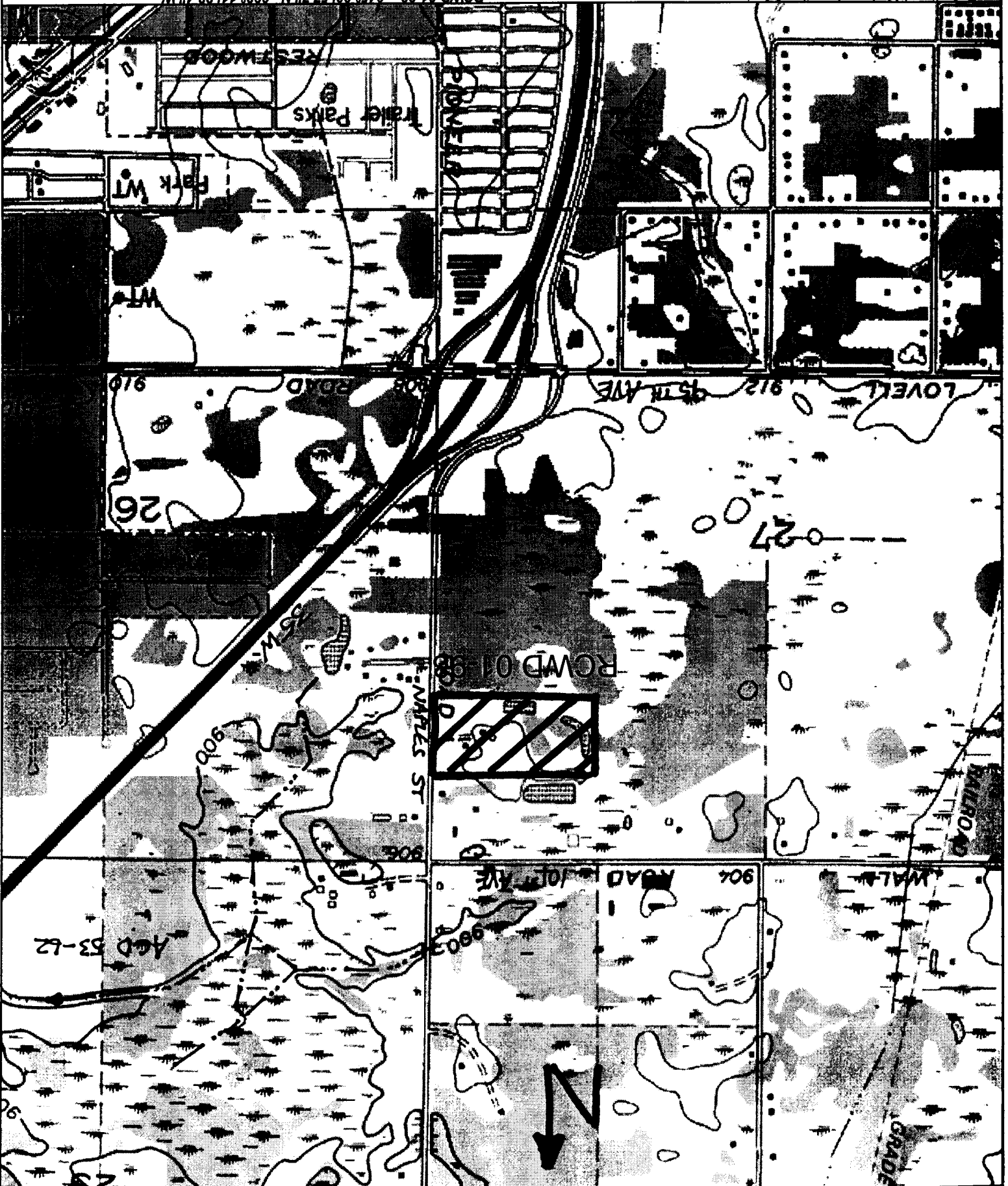
<b><u>Permit Application No.</u></b>	<b><u>Applicant</u></b>	<b><u>Recommendation</u></b>
01-93	Richard Gersdorf	TAB
01-99	Schwieters Properties	TWAFAA

Name: CIRCLE PINES  
Date: 8/13/01  
Scale: 1 inch equals 1000 feet

Location: 045° 08' 50.8" N 093° 11' 08.9" W  
Caption: RCWD Permit Application 01-93

RCWD 01-93 - 045° 08' 57.7" N, 093° 11' 22.4" W

<Default> - 1 Markers, Length = 0 feet



Applicant:	Richard Gersdorf 16007 Guadalcanal St. NE Ham Lake MN, 55304 Ph: 763-780-0404 Fx: 763-783-0505	Agent:	Craig Schlichting Plowe Engineering, Inc. 9180 Lexington Avenue NE Circle Pines, MN 55014 Ph: 763-785-1043 Fx: 763-786-6007
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Purpose: Final Site Drainage Plan and Wetland Alteration Plan for the Shamrock Industrial Park, 4 lots, 19.4± acres.

Location: 1/8 mile south of 101<sup>st</sup> Avenue NE and west of Naples Street NE, Blaine.

T-R-S: 31-23-27 aac and aad

Recommendation: <sup>WAFAN</sup> Table pending receipt of:

*Wafan pro 9  
JAL/AB 5-0*

1. Revised hydrologic model routing per grading plan and eliminating volume losses in proposed ponds while still demonstrating compliance with District rate control requirements.
2. ~~CONSIDERATION OF ALTERNATIVE METHOD TO ELIMINATE~~  
~~Revised Stormwater Management Plan~~ eliminating short-circuiting potential of Pond 2.
3. Quantification of infiltration area depressed storage.
4. Field verification by District staff of wetland boundaries.
5. Revised plan eliminating Wetland Basin 2 dewatering potential as a result of Pond 2 grading / outlet invert elevation and adjacent stormsewer to Pond 2.
6. Identification of all basin emergency overflow elevations, routes, and stabilization measures
7. Revised first floor elevations (if necessary) complying with District first floor freeboard requirements (per Pending Item 6).
- ~~X~~ ~~Revised Erosion Control Plan specifying removal of sediment from all ponds after site stabilization and final grading of infiltration areas after stabilization of upstream areas.~~

*PER PENDING ITEMS (2,5,6).*

- ~~X~~ Addition of silt or construction fence (on grading plan) around proposed infiltration areas after rough grading to prevent compaction of soils.
- ~~X~~ Addition of skimming outlet to proposed Pond 4.
8.  Preliminary Plat with satisfactory form and description granting ponding and flowage easements over all onsite hydrologic features.
9.  Cash surety in the amount of \$6,000.

## Exhibits:

1. Permit Application dated August 8, 2001, received August 9, 2001.
2. Preliminary Grading and Drainage Plan prepared by Plowe Engineering, Inc., last revised August 30, 2001, received August 30, 2001. 9/10 9/10
3. Infiltration checklist and worksheet, prepared by Plowe Engineering, Inc., last revised August 31, 2001, received August 30, 2001.
4. Existing and proposed 100-year hydrologic calculations prepared by Plowe Engineering, Inc., dated August 30, 2001, received August 30, 2001. 9/10 9/10
5. Existing and proposed Subwatershed Boundary Maps prepared by Plowe Engineering, Inc., undated, received August 30, 2001.
6. Wetland Delineation Report prepared by Aquatic EcoSolutions, Inc., dated September 6, 2000, received August 9, 2001.
7. Geotechnical Exploration and Review prepared by American Engineering Testing, Inc., dated November 9, 2000, received August 30, 2001.

## Findings:

1. Proposed project entails a stormwater management plan for a 4-lot industrial park on a site containing wetlands tributary to Anoka County Ditch 53-62. Proposed plan also includes development of Lot 3 of the industrial park and stormwater infrastructure for the entire industrial park.
2. The proposed stormwater management plan includes three ponding areas and three infiltration areas upstream of the ponds. The proposed plan satisfies District water quality treatment requirements.

A revised hydrologic model with routing per grading plan and eliminating volume losses in proposed ponds is required before District rate control requirements can be verified.

The three proposed infiltration areas are grassed swales upstream of ponding areas. Quantification of depressional storage is required to verify compliance with District standards.

3. The Wetland Delineation Report identifies three on-site wetland basins of Type 1, 2 or 3.

According to the Grading and Drainage Plan, proposed wetland impact totals 1,410 sq. ft of Type I fill. This qualifies for the WCA de minimis exemption.

As currently proposed, Pond 2 in the southeast corner of the site and stormsewer leading to this pond may dewater Wetland Basin 2. A revised plan is required eliminating this dewatering potential.

4. The regulatory 100-year flood elevation of the site is 898.1 (1998 calibration study, ACD 53-62 at Lexington Avenue). There is no onsite floodplain.

District first floor freeboard requirements will be verified after approval of the stormwater management plan and identification of all basin emergency overflow elevations.

5. An Erosion and Sediment Control Plan has been submitted specifying silt fence downstream of graded areas, a rock construction entrance, riprap at stormsewer outfalls, and an implementation schedule, ~~AND SPECIFICATION OF SEDIMENT~~

~~A revised Erosion and Sediment Control Plan will be required per an approved stormwater management plan and should specify removal of sediment from all ponds after site stabilization.~~

6. A Preliminary plat with satisfactory form and description granting ponding and flowage easements over all onsite hydrologic features is required.

7. This permit was tabled on August 22, 2001 for 26 issues.

Board Action:

AUG 24 2001

Protective Coatings

Camp Lube

For Lanes

01-99

City of Hugo  
14.00 Acres

Schwimer's Properties

Fire Station

Rick's Liquor  
North Country  
Auto Body

Country  
HWY. 61

FERRYWAY

BALDWIN

N.

INDUSTRIAL PARK 3RD ADDITION

INDUSTRIAL PARK 2ND ADDITION

INDUSTRIAL PARK 3RD ADDITION

BALDWIN INDUSTRIAL PARK 3RD ADD

U.S. HIGHWAY

U.S. HIGHWAY

FERRYWAY

BALDWIN

N.

140TH ST. NORTH





7. RCWD Permit Files 00-107, 00-94, 00-28, 00-08, 99-136, 99-134, 99-121, 98-161, 98-117, 98-77, 98-05, and 97-115.

Findings:

1. Proposed project entails an industrial development resulting in approximately 3 acres of new impervious area. The proposed development is on Outlot A of the Bald Eagle Industrial Park 3<sup>rd</sup> Addition.
2. Stormwater runoff from the site will be routed through retention basins constructed under RCWD Permit 98-77 (Fenway Avenue construction) prior to discharging to the adjacent Clearwater Creek Wetland Enhancement Project (RCWD Permit 97-115).

These ponds are designed in accordance with District rate control and water quality treatment requirements for the entire Bald Eagle Industrial Park (RCWD Permit 98-05).

3. The project proposes to fill an estimated 0.40 acres of Type II wetland on site. WCA wetland replacement requirements are administered under RCWD Permit 98-05.

Proposed grading plan is consistent with the wetland replacement plan approved under RCWD Permit 98-05. Proposed mitigation includes 9.31 acres of on-site restoration and 4 acres of off-site creation (RCWD Permit 00-28), thereby complying with WCA regulations for replacement.

4. Proposed plan includes excavation of an infiltration (depressed storage) area designed in accordance with District infiltration volume requirements.
5. The lowest proposed first floor elevation is 933.0, 2.2 feet and 2.6 feet above the infiltration area 100-year elevation (930.8) and emergency overflow elevation (930.4), respectively, thereby satisfying District freeboard requirements.
6. An Erosion and Sediment Control Plan has been submitted specifying silt fence downstream of all graded areas, riprap at all curbcuts and infiltration overflows, revegetation specifications, a rock construction entrance, and an implementation schedule.
7. A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site hydrologic features (including infiltration areas) is required.

8. RCWD Permits 00-107, 00-94, 00-08, 99-136, 99-134, 99-121, 98-161, and 98-117 have been reviewed for various individual developments within the Bald Eagle Industrial Park.

Board Action: