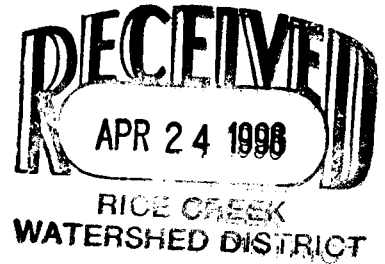


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RICE CREEK WATERSHED DISTRICT

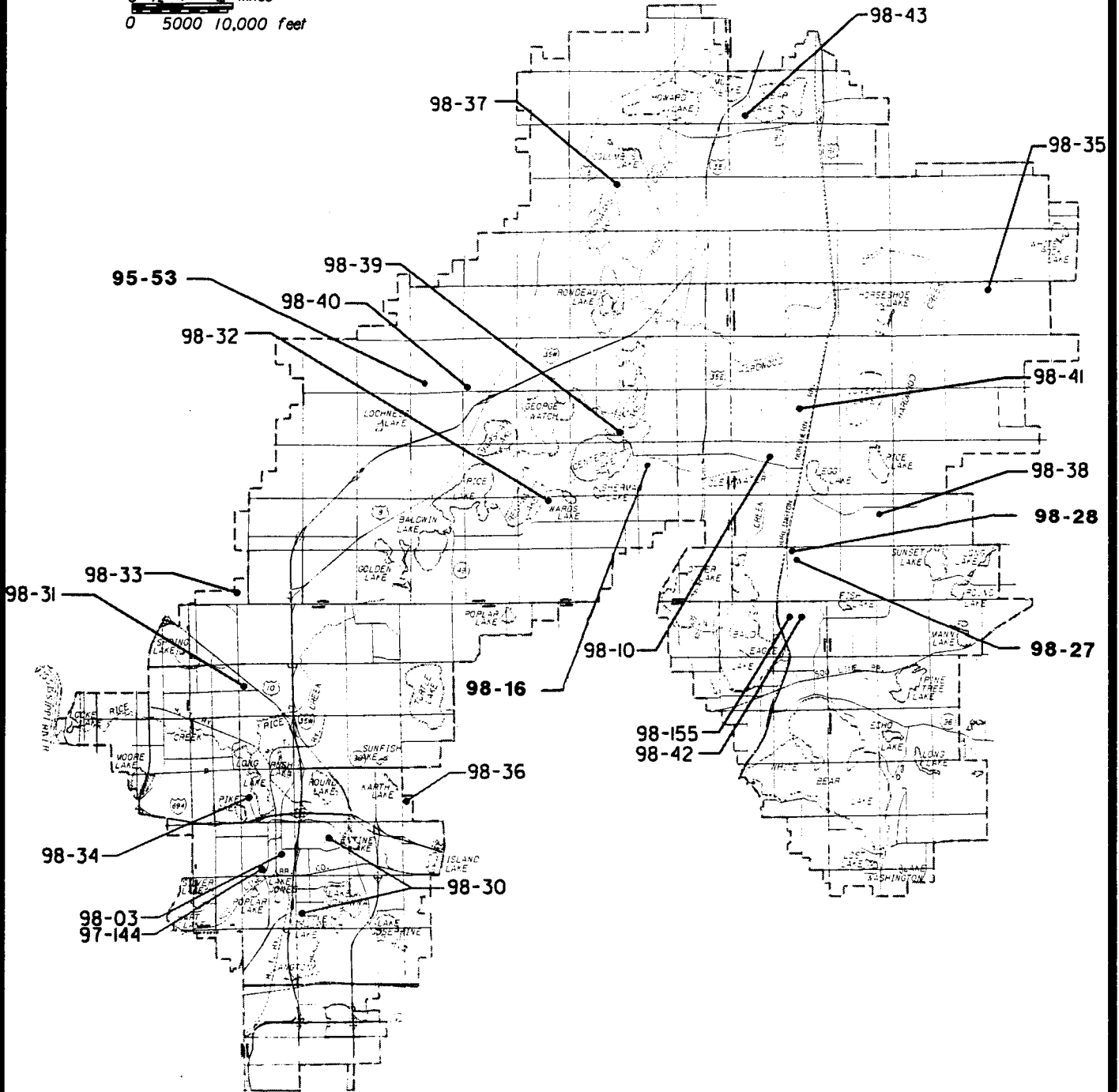
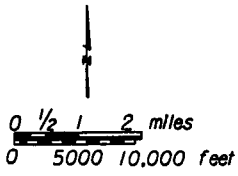
CONSENT AGENDA

APRIL 22, 1998



It was moved by _____ and seconded by _____ 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 April 17, 1998.

RICE CREEK WATERSHED DISTRICT



MONTGOMERY WATSON

Minneapolis, Minnesota

RICE CREEK WATERSHED DISTRICT

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* To be presented			
95-53X	Gary Uhde		TWAFAA

X presented at meeting.

Last Revised 4/22/98 4:00PM

Recommendation: Table with authorization for administrative action pending receipt of:

1. Additional cash surety in the amount of \$10,000.

Stipulations:

1. Final site grading and drainage plan will require further District review.

Location: Northeast quadrant of Laurie Avenue and Lilac Street, Lino Lakes.

T-R-S: 32-22-7 c and d

Purpose: Amendment of a Land Development Plan for a single family residential development known as Behm's Century Farm, 105± acres, 160 lots, to allow for rough grading and wetland alternation for the 4th Addition, 9.0± acres, 28 lots.

- Exhibits:
1. Permit Application dated April 13, 1995, received April 13, 1995.
 2. Preliminary Grading Plan prepared by J. C. Johnson Consultants, Inc., last revised June 19, 1995, received July 20, 1995.
 3. Grading and Drainage Plan for 4th Addition, prepared by J. C. Johnson Consultants, Inc., last revised March 4, 1998, received March 3, 1998.
 4. Concept sketch prepared by J. C. Johnson Consultants, Inc., dated April 13, 1995, received April 13, 1995.
 5. Preliminary plat prepared by J. C. Johnson Consultants, Inc., dated July 19, 1995, received July 20, 1995.
 6. Hydraulic/hydrologic calculations prepared by John C. Johnson, last revised July 12, 1995, received July 20, 1995.
 7. WCA Sequencing Narrative and Replacement Plan Application prepared by Peterson Environmental Consulting, Inc., dated August 11, 1995, received August 15, 1995.
 8. Cash surety in the amount of \$6,000, received June 8, 1995.
 9. Cash surety in the amount of \$2,000, received March 27, 1998 from Century Farm Development, Inc.

3/20/98
CEA

Permit Application No. 95-53: Gary Uhde

- Findings:
1. This permit is being amended to include grading in wetland areas.
 2. Project involves rough grading in wetland and upland areas for the 4th Addition to Behm's Century Farms. Approximately 9.0± acres will be graded for 28 future single family residential lots.
 3. NWI maps indicate a large Type III/VI (PSS6/EMCd) wetland and a Type III (PEMC) wetland on site. Approximately 0.44 acres of Type 6 wetland fill will result from this project. Anoka County's WCA diminimus exemption for Types 1, 2, 6, and 7 wetland fill is 5,000 square feet; therefore, only the remaining 0.33 acres of wetland fill requires mitigation. The Wetland Replacement Plan indicates that 1.01 acres of wetland will be created as part of the 4th Addition, satisfying WCA's 2:1 mitigation requirement. An additional 0.76 acres of wetland will be created as part of the 5th Addition.
 4. An Erosion Control Plan has been submitted specifying silt fence downslope of all graded areas and between wetlands and graded areas, an implementation schedule and revegetation specifications.
 5. This permit was issued on July 22, 1996 for Phase I, II, and II of Behm's Century Farm. This permit was tabled with administrative action pending receipt of the cash surety on March 25, 1998.

Board Action:

3/20/98
CEA

Recommendation: No permit required.

Location: Northwest quadrant of Old Highway 8 and County Road E, New Brighton.

T-R-S: 30-23-29 dddb

Purpose: Approval of a Final Site Drainage Plan for a church and impervious parking lot, 1.29± acres.

- Exhibits:
1. Permit Application dated October 16, 1997, received October 22, 1997.
 2. Certificate of Survey prepared by Demars-Gabriel Land Surveyors, Inc., dated January 7, 1987, received October 22, 1997.
 3. Site Plan prepared by Heartland Architects, Inc., dated January 29, 1998, received February 24, 1998.
 4. Letter regarding site use, prepared by City of New Brighton, dated March 19, 1998, received March 20, 1998.

- Findings:
1. Project involves construction of a church building and parking lot, creating approximately 0.33± acres of impervious area. This site is actually two separate lots and construction is only planned for the eastern 1.3± acre lot. An RCWD permit will not be required at this time as the total site is less than 2.5 acres and greater than 300 feet from Ramsey County Ditch 2. If the church desires to use this lot in the future, an RCWD permit will be required since it is located within 300 feet of Ramsey County Ditch 2. The City of New Brighton has also indicated that any church-related use will require a special use permit review by the Planning Commission and City Council.

Board Action:

4/17/98
CEA

Recommendation: Table with authorization for administrative action pending receipt of:

1. ~~Field verification by District staff of no proposed wetland impacts.~~
1. 2. Revised Grading Plan specifying size, type, and invert elevations of the culvert placed across wetland outlet channel for lot access.

Stipulation: All phases of construction as indicated on the submitted Grading Plan are covered under this permit. Any subsequent changes to the Grading Plan will require District review.

Location: 2350 Leibel Street, Lot 5, Block 2 of the Leibel Addition, White Bear Township.

T-R-S: 30-22-1 bac

Purpose: Approval of a Final Site Drainage Plan for an office building and warehouse, 2.3± acres.

- Exhibits:
1. Permit Application, dated November 13, 1997, received November 13, 1997.
 2. Proposed Site Plan prepared by NAI Architects, dated April 1, 1998, received April 9, 1998.
 3. RCWD CSMP 85C03 and Permit Files 96-129, 96-78, 96-53, 88-140, 88-55, and 88-54.
 4. Cash surety in the amount of \$2,000, received April 10, 1998 from Redlin Electric.

- Findings:
1. Project involves four-phased construction of an office building and warehouse including parking areas on a currently undeveloped site on Lot 5, Block 2 of the Leibel Addition (CSMP 85C03). Phase 1 includes construction of an office building and parking lot. Subsequent phases will entail additions to the office building and increases in parking lot size.

4/17/98
CEA

Permit Application No. 97-155: Craig Marshall

2. All site runoff is overland to a regional pond constructed under CSMP 85C03, which provides rate control and water quality treatment in accordance with District standards. A 150-foot long swale will be placed along the regional pond/wetland edge to provide some infiltration opportunities and additional water quality treatment.
3. An Erosion Control Plan has been submitted specifying silt fence downslope of all graded areas and between wetlands and graded areas. A revised Erosion Control Plan will be required specifying bale checks every 150 feet in swales.
4. NWI maps indicate the presence of Type II (PEMBd) and Type III (PEMCd) wetlands, which are part of the large wetland system within the Leibel Addition. It is unclear if any wetland impacts will result from the project.
5. CSMP 85C03 specified a minimum first floor elevation of 935.5 for developing parcels. The minimum proposed first floor elevation is 935.5.
6. RCWD Permits 96-129, 96-78, 96-53, 88-140, 88-55, and 88-54 were reviewed for various developments in the Leibel Addition (CSMP 85C03).
7. This permit was tabled for conformance with the comprehensive stormwater management plan on November 25, 1997.

Board Action:

4/17/98
CEA

Recommendation: Approval.

Stipulation: Applicant will notify the District if on-site paving is to be undertaken prior to the County Road E2 extension storm sewer construction.

Location: Southwest corner of 5th Avenue N.W. and County Road E2, New Brighton.

T-R-S: 30-23-29 dba

Purpose: Approval of a Final Site Drainage Plan for an industrial building and parking lot, 4.5± acres.

- Exhibits:
1. Permit Application, dated January 15, 1998, received January 15, 1998.
 2. Grading, Erosion Control, and Utility Plan prepared by Charles W. Plowe Consulting Engineer, last revised April 14, 1998, received April 15, 1998.
 3. Construction time frames narrative prepared by Norm Wells Architect PA, dated February 12, 1997, received February 13, 1998.
 4. RCWD Permit Files 97-161, 89-12, and 84-98.
 5. Cash surety in the amount of \$1,000, received April 15, 1998 from Donatelle Plastics, Inc.

Findings: 1. Project involves the construction of an industrial building and parking lot on a 4.5± acre property previously known as the MacGillis & Gibbs industrial site.

Runoff from all impervious surfaces will be conveyed via storm sewer to the Hypro pond (Permit Application 97-161) being constructed by the City of New Brighton. The Hypro pond will provide rate control and water quality treatment in accordance with District standards. The MacGillis and Gibbs property is currently a USEPA Superfund site and on-site ponding was deemed impractical due to the existence of contaminated groundwater.

2. A portion of the site's storm sewer system is part of the proposed County Road E2 extension which will be completed by the City of New Brighton. No plans for this extension have been received.

4/17/98
CEA

Permit Application No. 98-03: Donatelle Plastics

The City of New Brighton expects to complete construction of the County Road E2 extension in September 1998. Donatelle Plastics has indicated that paving at this site is not anticipated until after completion of the County Road E2 extension.

3. An Erosion Control Plan has been submitted specifying silt fence downslope of all graded areas including bale checks surrounding all storm sewer catchbasins.
4. NWI maps do not indicate the presence of wetlands on site.
5. The 100-year flood elevation is 899.8 for the Hypro pond. The proposed first floor elevation is 911.5, satisfying the District's 2-foot freeboard requirement.
6. RCWD Permits 89-12 and 84-98 were reviewed for the existing Donatelle site at the southeast corner of 5th Avenue N.W. and County Road E2.

Board Action:

4/17/98
CEA

Recommendation: Table with authorization for administrative action pending receipt of:

1. Revised Erosion Control Plan specifying silt fence surrounding ponding areas.
2. Narrative addressing incorporation of Best Management Practices for minimizing runoff volume.
3. Cash surety in the amount of \$5,000.

Location: Approximately 1,800 feet east of the northeast corner of Frenchman Road N. And Everton Avenue N., Hugo.

T-R-S: 32-21-19 a

Purpose: Approval of a Land Development Plan and Final Site Drainage Plan for a commercial greenhouse development, 63± acres.

- Exhibits:**
1. Permit Application, dated February 9, 1998, received February 11, 1998.
 2. Site Drainage Plan prepared by R. Nelson Engineering, last revised April 9, 1998, received April 9, 1998.
 3. Preliminary plat prepared by R. Nelson Engineering, last revised April 9, 1998, received April 9, 1998.
 4. Runoff calculations prepared by R. Nelson Engineering, dated February 10, 1998, received February 11, 1998.
 5. Wetland Delineation Report prepared by Chris A. Lord, dated December 31, 1997, received February 11, 1998.
 6. Amendment to Wetland Delineation Report prepared by Chris A. Lord, dated February 1, 1998, received February 11, 1998.
 7. RCWD Permit Files 94-167, 89-135, and 87-103.

4/17/98
CEA

- Findings:
1. Project involves the subdivision of a 63± acre property into 41± and 22± acre parcels identified as Parcels "D" and "E", respectively. Twenty-two metal-framed greenhouses and a cold storage building will be constructed on the eastern half of Parcel "E". No development is proposed on Parcel "D".

Branch 3 of Clearwater Creek (A/W JD 3) passes through both parcels and outlets south across Frenchman Road. No impacts to the ditch are proposed.

2. Runoff from impervious surfaces will be routed to two new on-site detention ponds which will outlet at the northeastern corner of the site to a private drainage ditch tributary to Judicial Ditch 3, Branch 3. The ponds provide rate control and water quality treatment in accordance with District standards. This site falls within the areas required by the District to demonstrate runoff volume practices.
3. NWI maps indicate the presence of a Type III wetland on the northeastern site corner. A Wetland Delineation Report has been submitted for part of Parcel E and an aerial photo delineation was completed for the remainder of the site.
4. The 100-year FIS flood elevation for Judicial Ditch 3, Branch 3, at Frenchman Road is 914.0. The proposed first floor elevation of the cold storage building is 916.0, satisfying the District's 2-foot freeboard requirement. The flood elevation for the on-site ponds is 917.2. Greenhouse first floor elevations have been specified as 919.4, satisfying the District's 2-foot freeboard requirement.
5. An Erosion Control Plan has been submitted specifying silt fence downslope of all graded areas as well as an implementation schedule and revegetation specifications. A revised Erosion Control Plan will be required specifying silt fence surrounding proposed ponding areas.
6. A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site floodplain (FIS elevation 914.0) wetlands, ponds, ditches, and other hydrologic features for Parcels "D" and "E" has been submitted.

4/17/98
CEA

Permit Application No. 98-10: Johnson Wholesale Florist, Inc.

7. RCWD Permit Files 94-167, 89-135, and 87-103 were reviewed for various related projects on Parcel "D".
8. This permit was tabled on February 25, 1998 for wetland, erosion control, and easement issues.

Board Action:

4/17/98
CEA

Recommendation: Table with authorization for administrative action pending receipt of:

1. Soil boring information showing established historical high groundwater levels across site.
2. Revised wetland outlet elevations which avoid wetland dewatering.
3. Calculations demonstrating rate control from the wetland for the 100-year storm event.
4. Further review of first floor elevations following receipt of resulting wetland high water level.
5. Specification of native seed mix for replacement wetland side slopes and buffer area.
6. Fulfillment of WCA 30-day public comment period.

- Stipulations:
1. The replacement wetland approved as part of this permit shall be constructed concurrent or prior to any wetland fill activity.
 2. The Notice of Use Restriction and Maintenance Responsibility for the replacement wetland shall be properly filed and recorded prior to any wetland fill activity.
 3. The permittee shall submit a monitoring report on the replacement wetland to RCWD which includes the information specified in Minnesota Rules 8420.0620 each year for five years following completion of the replacement wetland. The report shall be submitted no later than November 15 of each year.

Location: 200± feet north of the northeast corner of Centerville Road and Center Street, Centerville.

T-R-S: 31-22-23 ca

Permit Application No. 98-16: Richard S. Carlson and Associates, Inc.

Purpose: Approval of a Land Development Plan and Wetland Alteration Plan for a single family residential development to be known as Parkview, 42 lots, 18.7± acres.

- Exhibits:**
1. Permit Application, dated January 30, 1998, received February 22, 1998.
 2. Grading and Erosion Control Plan prepared by Mattke Engineering, Inc., last revised April 9, 1998, received April 9, 1998.
 3. Site Plan and Utility Plan prepared by Mattke Engineering, Inc., dated January 19, 1998, received February 26, 1998.
 4. Preliminary plat prepared by Mattke Engineering, Inc., dated January 19, 1998, received January 26, 1998.
 5. Project narrative prepared by Mattke Engineering, Inc., dated January 30, 1998, received February 26, 1998.
 6. Drainage calculations dated April 9, 1998, received April 9, 1998.
 7. Wetland Delineation Report prepared by Anoka Conservation District, dated August 6, 1997, received February 26, 1998.
 8. Wetland Replacement Plan Application, dated January 30, 1998, received February 26, 1998.
 9. RCWD Permit Files 97-128, 97-126, 96-104, 87-20, 79-01, and 78-60.
 10. Cash surety in the amount of \$8,000, received April 10, 1998 from Richard S. Carlson & Associates.

Findings:

1. Project involves construction of a single family residential development to be known as Parkview on a currently undeveloped site. Approximately 2,100± feet of Parkview Road, Park Circle, and Park Terrace will be constructed to serve the development.

2. Runoff from all new roadway and front yards will be routed through storm sewers to a new on-site detention pond at the northeast site corner which provides water quality treatment in accordance with District standards. A pond outlet control structure with a skimmer will be placed to provide rate control before discharging south to an existing wetland identified on NWI maps as Type II (PEMB) wetland. A 12-inch CMP outlet at the southeast corner of the site is proposed. Revised wetland outlet elevations which avoid wetland dewatering and provide for rate control from the site without raising high water levels on adjacent properties will be needed.

Rate control and water quality treatment for the remainder of the site will not be an issue as very little impervious area (homes) is being created and all runoff will be as overland flow to the existing wetland to the south and through swales that discharge into the Centerville Road right-of-way ditches.

3. The Wetland Delineation Report identified a Type II (PEMB) wetland on site. Approximately 0.25 acres (10,890 square feet) of Type II wetland impact will occur as a result of this project. Through Anoka County's WCA de minimus exemption, 5,000 square feet of wetland fill is exempt from mitigation. Mitigation efforts entail 0.28 acres of on-site wetland creation, satisfying WCA's 2:1 replacement ratio.
4. An Erosion Control Plan has been submitted specifying silt fence downslope of all graded areas, between proposed ponds and graded areas between wetlands and graded areas, riprap at all storm sewer outfalls, an implementation schedule, and revegetation specifications. A revised Erosion Control Plan has been received specifying location of rock construction entrance, bale check across rear lot lines of Block 2, and a readable silt fence detail.
5. The 100-year flood elevation for Clearwater Creek at Main Street is 899.6 (1998 Calibration Study) and the on-site detention pond will have a 100-year flood elevation of 906.5. The minimum proposed first floor elevation is 908.5. Further review of first floor elevations will be necessary following receipt of wetland calculations.
6. A preliminary plat with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features has been submitted.

Permit Application No. 98-16: Richard S. Carlson and Associates, Inc.

7. RCWD Permit File 97-128 was reviewed for the Chauncey Barrett Gardens Senior Housing located immediately north of this site and Permit File 97-126 was reviewed for LaMotte Park located immediately west of the site. Permit File 96-104 was reviewed for a single family development located immediately east of the site and known as Eagle Pass. Permit Files 87-20, 79-01, and 78-60 were reviewed for the Center Oaks single family development located immediately south of the site.
8. This permit was tabled on March 20, 1998 for wetland, erosion control, water quality, rate control, and first floor elevation issues.

Board Action:

Recommendation: Table with authorization for administrative action pending receipt of:

1. Narrative addressing impacts to wetlands, including functions and values assessment.
2. REVISED HYDROLOGIC CALCULATIONS USING POND STRUCTURE ELEVATION SET TO POND NWL
3. 2. Copy of COE permit applicaiton.

Stipulation: 1. Developing properties must provide on-site water quality treatment ponding to NPDES permit standards upon development.

2. The new wetland outlet structure will be constructed and easements obtained as part of Permit Application 98-28 (J & R Land Development, Inc.)

4. ROAD Attorney investigation into need for easements over downstream drainage ways to convey flow from regional pond

Location: Southeast corner of 130th Street N. and Highway 61, Hugo.

T-R-S: 31-21-32

Purpose: Approval of a Comprehensive Stormwater Management Plan for a site at the southeast corner of 130th Street N. and Highway 61, 230.4± acres.

- Exhibits:
1. Permit Application, unsigned, undated, received March 12, 1998.
 2. Project narrative prepared by WSB and Associates, dated March 12, 1998, received March 12, 1998.
 3. Runoff calculations prepared by WSB and Associates, last revised April 17, 1998, received April 17, 1998.
 4. Area of benefit subwatershed map, prepared by WSB and Assoc., undated, received April 20, 1998.

Findings: 1. Project involves construction of a stormwater ponding area within an existing wetland located at the southeast corner of 130th Street N. and Highway 61. Project goals are to provide live stormwater storage for development within a 230.4± acre tributary area.

Permit Application No. 98-27: City of Hugo

2. Rate control will be provided by installing a 10-foot broad-crested weir at elevation 929.0 with an 18-inch culvert at 928.0 at the northeast corner of the subwatershed. The current outlet is a 30-inch pipe (invert elevation of 925.8) which is approximately 75% plugged by sediment. This modification will limit the peak discharge rate from the watershed to 14.5 cfs for fully developed conditions which does not exceed discharge rates (assuming unobstructed flow).
3. Water quality ponding to NPDES permit standards prior to stormwater discharge to the wetland will be provided. Additional dead storage of 61.9 acre-feet will also be created through new raised outlet in the wetland.
4. The proposed outlet structure at the northeast corner of the subwatershed will be constructed under Permit 98-28 for the Beaver Ponds residential development. Ponding and flowage easements over the outlet structure, conveyance channels, and all on-site wetlands, ponds, floodplain (to elevation 931.7) and other hydrologic features for this subwatershed will be obtained as part of Permit Application 98-28.
5. Runoff calculations specify a high water elevation of 931.7 for the proposed regional stormwater pond wetland. Proposed first floor elevations for any development in this area will need to be at least 933.7 to satisfy the District's 2-foot freeboard requirement.

Board Action:

E

Recommendation: Table with authorization for administrative approval pending receipt of:

1. Preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over new wetland outlet structure, conveyance channels, and all wetlands, ponds, floodplain (to elevation 931.7), and other hydrologic features for the 230.4± acre subwatershed.
2. Revised Grading Plan specifying a minimum first floor flood elevation of at least 933.7 for lots 1-3, Block 3.
AT LEAST 2-FT ABOVE 100-YR FLOOD ELEVATIONS
3. Incorporation of volume controls (with supporting calculations).
4. Copy of signed MPCA NPDES permit application.
5. Copy of COE permit application.
6. Fulfillment of WCA 30-day public comment period.
7. Approval of RCWD Permit 98-27.

- Stipulations:
1. The replacement wetland approved as part of this permit shall be constructed concurrent or prior to any wetland fill activity.
 2. The Notice of Use Restriction and Maintenance Responsibility for the replacement wetland shall be properly filed and recorded prior to any wetland fill activity.
 3. The permittee shall submit a monitoring report on the replacement wetland to RCWD which includes the information specified in Minnesota Rules 8420.0620 each year for five years following completion of the replacement wetland. The report shall be submitted no later than November 15 of each year.

Location: Southeast corner of 130th Street N. and Highway 61, Hugo.

T-R-S: 31-21-32 b

4/17/98
CEA

Permit Application No. 98-28: J & R Land Development, Inc.

Purpose: Approval of a Land Development Plan and Wetland Alteration Plan for a single family residential development to be known as Beaver Ponds, 34 lots, 79.6± acres.

- Exhibits:**
1. Permit Application, dated March 12, 1998, received March 12, 1998.
 2. Grading and Wetland Replacement Plan prepared by Ulteig Engineers, Inc., last revised April 6, 1998, received April 3, 1998.
 3. Preliminary Plat prepared by Ulteig Engineers, Inc., dated April 9, 1998, received April 8, 1998.
 4. Storm Sewer and Utility Plan prepared by Ulteig Engineers, Inc., last revised April 6, 1998, received April 3, 1998.
 5. Wetland Delineation Report prepared by Dave Banta Consulting, dated July 5, 1996, received March 12, 1998.
 6. Drainage Area Map, prepared by Ulteig Engineers, last revised April 6, 1998, received April 8, 1998.
 7. Runoff calculations prepared by Ulteig Engineers, Inc., dated December 18, 1997, received March 12, 1998.
 8. Project narrative prepared by Ulteig Engineers, Inc., dated March 12, 1998, received March 12, 1998.
 9. Wetland Replacement Plan Application prepared by Ulteig Engineers, Inc., dated March 12, 1998, received March 12, 1998.
 10. Wetland sequencing narrative prepared by Ulteig Engineers, Inc., dated March 30, 1998, received April 3, 1998.
 11. Cash surety in the amount of \$7,500, received April 10, 1998 from J & R Land Development.

Findings:

1. Project involves construction of a single family residential development on a currently undeveloped site including approximately 1,700 feet of roadway (unnamed) to serve the development. All roadway runoff will be routed to two new on-site detention ponds which discharge to adjacent wetlands.

RCWD Permit Application 98-27 proposes a CSMP with the goal of utilizing existing wetlands for stormwater storage. Only rate control will be provided by the CSMP. Per the CSMP, pretreatment to NPDES permit standards is required prior to discharging to wetlands. The existing wetland/regional pond outlet at the northeast corner of the subwatershed is a plugged, 30-inch pipe at elevation 925.8. The proposed outlet structure is a 10-foot broad-crested weir at elevation 929.0 with an 18-inch culvert at 928.0, which will be constructed as part of this project.

2. NWI maps indicate the presence of Type II, V, and II/VI on site. Applicant proposes to place 19,500 square feet of Type II wetland fill. Washington County's WCA de minimus is 2,000 sq ft; therefore, only the remaining 17,500 sq ft of wetland fill requires mitigation. The current Wetland Replacement Plan includes 0.91 acres of created wetlands and 0.53 acres of created wetland buffer. Including pond credits, the Applicant is creating a total of 3.99 acres of wetland replacement area. Applicant is requesting wetland banking credits for the 3.59 acres of the replacement wetland area not used for mitigation.
3. An Erosion Control Plan has been received specifying silt fence downslope of all graded areas and surrounding proposed ponds. A revised Erosion Control Plan specifying riprap at all storm sewer outfalls, revegetation specifications, and an implementation schedule has been submitted.
4. The proposed CSMP indicates a wetland/regional pond high water level of 931.7. The highest proposed detention pond overflow elevation is 930.0. The minimum proposed first floor elevation is 933.0 and needs to be 933.7 to satisfy the District's 2-foot freeboard requirement.
5. A preliminary plat granting ponding and flowage easements over the Beaver Ponds site has been submitted. The applicant will obtain, as part of this permit, ponding and flowage easements over the new outlet structure and conveyance channel, as well as all wetlands, ponds, floodplain and other hydrologic features for the entire 230.4-acre subwatershed.

Board Action:

Recommendation: Table pending receipt of:

1. Narrative outlining water quality treatment measures.
2. Clarification regarding receiving waterbodies for Fairview Avenue, Sandeen Road, and Edgewater Avenue storm sewers.
3. Revised Erosion Control Plan specifying an implementation schedule and revegetation specifications.
4. Narrative addressing purpose of installation of larger culvert under Hamline Avenue.
5. Permit Application signed by Successful Bidder.
6. Cash surety in the amount of \$2,000.

Location: Arden Hills:

- Stowe Avenue from Cleveland Avenue to New Brighton Road
- Fairview Avenue from County Road F to Gramsie Road
- Edgewater Avenue from New Brighton Road to cul-de-sac
- Sandeen Road from Lake Johanna Boulevard to west end

T-R-S: 30-23-33, 30-23-28

Purpose: Approval of Roadway and Utilities Plan for approximately 8,300± feet of roadway improvements to Stowe Avenue, Fairview Avenue, Edgewater Avenue, and Sandeen Road, 6.7± acres.

- Exhibits:
1. Permit Application, unsigned, undated, received March 23, 1998.
 2. Construction Plans (34 sheets) prepared by BRW, Inc., dated February 9, 1998, received March 23, 1998.
 3. Project manual and proposal form prepared by BRW, Inc., dated February 9, 1998, received March 23, 1998.
 4. RCWD Permit File 95-76.

**Permit Application No. 98-30: Successful Bidder, City of Arden Hills
(To be Selected)**

- Findings: 1. Project involves reconstruction of 6,500± feet of roadway and placement of bituminous overlay for approximately 1,800± feet of roadway as summarized in the following table.

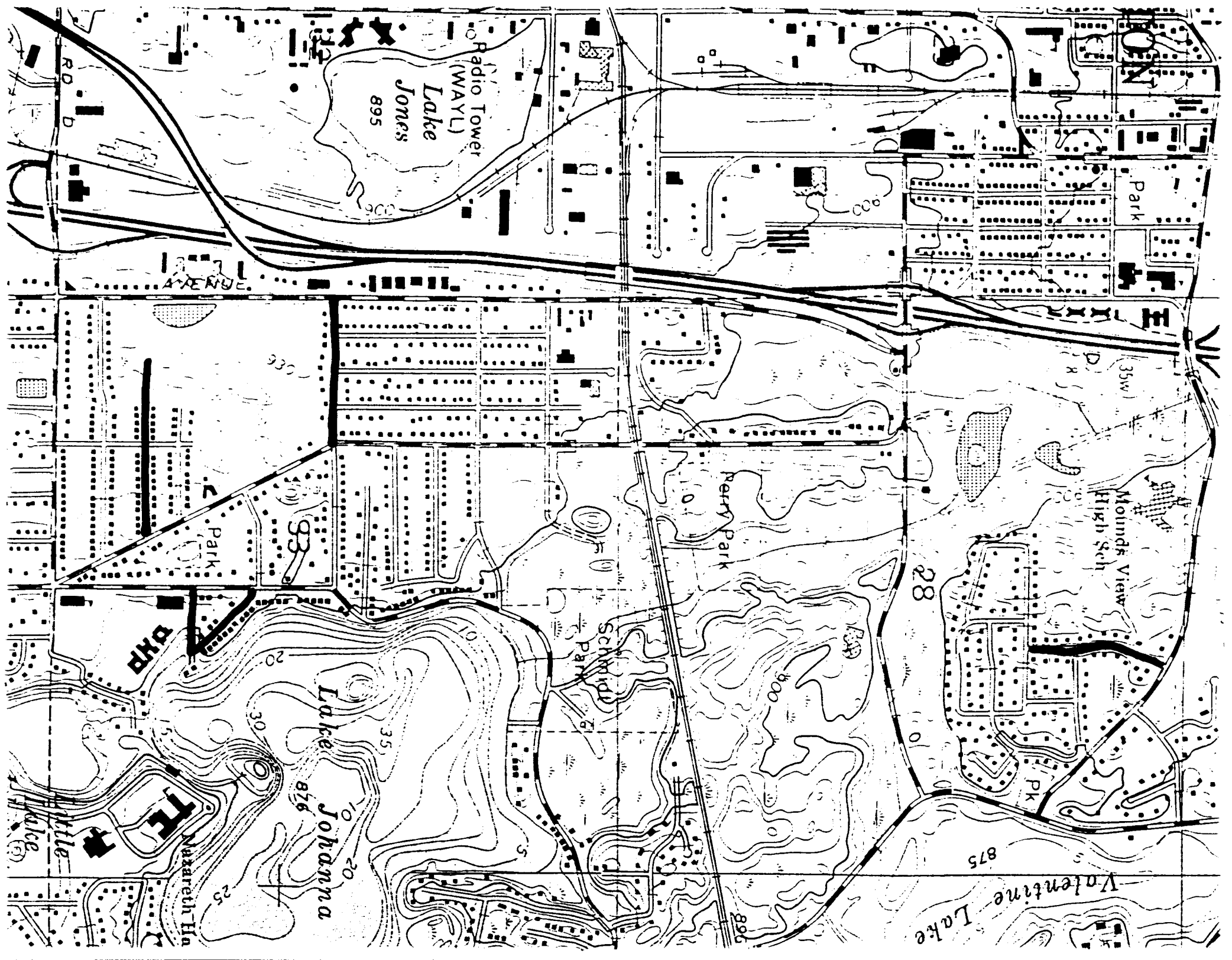
	Stowe Avenue	Fairview Avenue	Edgewater Avenue	Sandeen Road
Widths	32 ft	32 ft	32 ft	22 ft
Length of Roadway	1,300± ft	1,280± ft	4,500± ft	1,260± ft
New Impervious Surface	0	0	0	0
New Storm Sewer	Yes	Yes	Yes	No
Receiving Waterbody	Lake Johanna	Unknown	Unknown	Unknown
Water Quality Treatment	None	None	None	None

Also included in this project is the replacement of a culvert under Hamline Avenue at Ingerson Road and the construction of three trail accesses. The existing 24-inch CMP will be removed and replaced with a 22-inch by 36-inch (30-inch equivalent) RCP arch at the same upstream invert elevation. The downstream invert elevation will be lowered 0.43 inches to create positive drainage through the culvert. The purpose of the installation of the larger culvert is unclear.

2. Runoff from Fairview Avenue, Edgewater Avenue, and Sandeen Road discharges to unspecified waterbodies. The Stowe Avenue storm sewer will be connected to an existing storm sewer in Stowe Avenue constructed under RCWD Permit 95-76, which discharges to Lake Johanna. Under this permit, a grit chamber was installed prior to discharging to Lake Johanna. This grit chamber was not sized for the additional runoff.
3. An Erosion Control Plan has been submitted specifying silt fence along construction limits and downslope of graded areas and riprap at all storm sewer outfalls. An implementation schedule and revegetation specifications have not been identified.
4. No wetland impacts are proposed.

Board Action:

4/17/98
CEA



RD B

Park

AVENUE

E HIGHWAY

(35W)

Mounds View High Sch

28

Perry Park

Schmidt Park

Park

DHR

Lake Johannanna

Luxareh Ha

Valentine Lake

Radio Tower (WAYL)

Lake Jones

895

330

33

20

30

35

10

20

25

800

895

875

MILE PLACE

E

Recommendation: Table^{WAFAA} pending receipt of:

- ~~1. Submerged outlet skimmer details.~~
- ~~2. Specification of northwestern pond overflow elevation.~~
- ~~3. Coordination with City of Mounds View regarding 42-inch RCP Arch storm sewer.~~
1. ~~A.~~ Further review of XP-SWMM model.
- ~~5. A revised Erosion Control Plan specifying silt fence surrounding the north detention pond.~~
2. ~~B.~~ Field verification by District staff of wetland boundaries.
3. ~~7.~~ Preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features.
4. ~~8.~~ Copy of MPCA NPDES permit application.
5. ~~9.~~ Cash surety in the amount of \$3,700.

Location: Northeast corner of Long Lake Road and County Road H2, Mounds View.

T-R-S: 30-23-8 bcc

Purpose: Approval of a Final Site Drainage Plan for Carmike Theater, retail building, restaurant, three office buildings, and parking lots, 22.0± acres.

- Exhibits:
1. Permit Application, dated March 18, 1998, received March 27, 1998.
 2. Grading, Drainage, and Erosion Control Plan prepared by Sunde Engineering, Inc., last revised ~~March 14,~~ 1998, received ~~March 15,~~ 1998. 4/24 4/20
 3. Site Plan prepared by Sunde Engineering, dated March 6, 1998, received March 27, 1998.
 4. Utility Plan and details prepared by Sunde Engineering, dated March 6, 1998, received ~~March 27,~~ 1998. 4/20

4/17/98
CEA

5. Hydrologic and hydraulic calculations prepared by Sunde Engineering, Inc., dated ~~March 27~~, 1998, received ~~March 27~~, 1998.
last revised 4/19 4/20
6. Wetland Delineation Report, prepared by SEH, dated September 18, 1996, received April 15, 1998.
7. RCWD Permit Files 97-159, 97-113, 97-111, and 96-168.

Findings:

1. Project involves construction of a Carmike theater, retail building, restaurant, and three office buildings with parking areas. Runoff from the southeastern portion of the site is routed to a new detention pond located in the southwest corner of the site. Runoff from the northwestern corner of the site will be routed to a second new detention pond. Both of these ponds overflow into DNR Wetland 62-171W (OHW = 895.8), which has a 15-inch outlet at the southwestern site corner. Roof drainage from the Carmike Theater will also be directed into the south detention pond.

Calculations for the 100-year storm indicate an existing discharge rate of 14.70 cfs and a proposed discharge rate of ~~15.20~~ cfs from the wetland. Minimal live storage is provided in the new detention ponds. The majority of the required live storage is provided in the DNR wetland. The current 15-inch wetland outlet will also provide rate control for this site. Submitted calculations also indicate that the north and south detention ponds provide water quality treatment in accordance with District standards. 14.80

2. In an effort to incorporate some infiltration Best Management Practices and "green" parking lot concepts, curb and gutter around two center islands near the southeast corner of the theater were removed and runoff from the parking area will flow to the catch basins within these islands. ~~Similarly, two catch basins within the north parking area were relocated to parking islands and curb and gutter were also removed.~~
3. DNR Wetland 62-171W is located on this site, and a wetland delineation report has been submitted. No fill within this wetland is proposed. The 100-year flood elevations of the wetland under existing and proposed conditions are 895.98 and 896.79, respectively. 23

4/17/98
CEA

Permit Application No. 98-31: Anthony Properties

4. An Erosion Control Plan has been submitted specifying silt fence downslope of graded areas and between graded areas and the wetlands, riprap at all storm sewer outfalls, an implementation schedule and revegetation specifications. A revised Erosion Control Plan will be required specifying silt fence around the proposed detention ponds.
5. The Mounds View Local Water Management Plan specifies a 100-year flood elevation for DNR Wetland 62-171W of 897.15. The southwestern detention pond has a high water level of 899.15 and an overflow elevation of 899.40 and the overflow elevation of the northwestern detention pond has ~~not been specified~~ ^{is 900.05}. The minimum proposed first floor elevation for the southeastern portion of the site is 904.0, satisfying the District's 2-foot freeboard requirement. The building at the northwestern corner of the site has a proposed first floor elevation of 904.4, ~~This elevation will need to be reviewed following specification of the northwestern detention pond's overflow elevation.~~ ^{Satisfying the District's 2-foot freeboard requirement.}
6. A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features will be required.
7. RCWD Permit File 97-159 was for the Bel-Rae Ballroom located immediately northeast of the site. Permit Application 96-168 was for the Mounds View Saturn located southeast of the site. RCWD Permit Files 97-113 and 97-111 were for Silver View Estates and Silver Lake Commons, respectively, located northwest of the site.

Board Action:

4/17/98
CEA

Recommendation: Table ^{WAFAA} pending receipt of:

① Wetland forebay
sizing equal to
the runoff from
a 2.5" rainfall.

1. ~~Additional coordination with city engineers regarding utilization of existing stormwater basins and pretreatment of outfalls directly discharging from site to wetlands.~~
2. Field verification by District staff of no wetland impacts.
3. Revised Erosion Control Plan specifying silt fence downslope of all graded areas, an implementation schedule and revegetation specifications.
4. Permit Application signed by Successful Bidder.
5. Cash surety in the amount of \$3,000.

Location: Lino Lakes:

- East Shadow Lake Drive
- Black Duck Drive
- Lantern Circle
- Lantern Lane
- Partridge Place
- Black Duck Circle
- Mallard Lane
- Crystal Court

T-R-S: 31-22-21 dc, 31-22-28 ab

Purpose: Approval of a Roadway and Utilities Plan for approximately 2.2± miles of East Shadow Lake Drive, Black Duck Drive, Lantern Circle, Lantern Lane, Partridge Place, Black Duck Circle, Mallard Lane, and Crystal Court.

- Exhibits:
1. Permit Application, unsigned, undated, received April 1, 1998.
 2. Construction Plans, 22 sheets, prepared SEH, dated March 23, 1998, received April 1, 1998.
 3. RCWD Permit Files 95-07, 93-209, 92-141, 88-203, 87-143, 85-104, 84-79, 83-28, and 81-118.

4/17/98
CEA

Permit Application No. 98-32: Successful Bidder, City of Lino Lakes
(To be Selected)

Findings: 1. Project involves the reconstruction of 2.2± miles of roadways in Lino Lakes, including installation and replacement of utilities:

- 4,500± feet of Black Duck Drive
- 435± feet of Black Duck Circle
- 350± feet of Mallard Lane
- 200± feet of Crystal Court
- 2,800± feet of Shadow Lake Drive
- 1,100± feet of Lantern Lane
- 600± feet of Lantern Circle
- 1,500± feet of Partridge Place

2. Runoff from approximately 80% of the storm sewer system discharges through multiple outlets to Wards Lake. ~~Sediment traps~~ ^{Wetland forebays to trap sediment} are proposed to be installed at the outlets and the ditch will be excavated at the sediment trap outlet to the wetland to allow positive drainage. Runoff from the remaining 20% of the storm sewer system discharges to County Ditch 25 between Wards Lake and Reshanau Lake. Sediment traps are not proposed for this outlet as existing conditions will not allow, but existing sediment will be removed from the outlet. Catchbasins with a 1-foot sump will also be installed immediately upstream of ~~the~~ ^{all} storm sewer outlets.

Use of existing ponds within the Lakes Addition development for water quality treatment is not possible due to the current storm sewer and roadway alignment. Wetland forebays will be constructed on outlets discharging to Wards Lake. The proposed size of the forebays is unknown.

3. An Erosion Control Plan has been submitted specifying riprap at all storm sewer outfalls. A revised Erosion Control Plan will be required specifying silt fence downslope of all graded areas, an implementation schedule and revegetation specifications.

4. NWI maps indicate the presence of a Type III (PEMC) wetland near Partridge Place. No wetland impacts are proposed and will be verified by District Inspector.

5. The flood elevation for County Ditch 25 under Black Duck Drive (Wards Lake) is 887.6 (1998 Calibration Study). No floodplain fill will be placed.

6. RCWD Permit Files 95-07, 93-209, 92-141, 88-203, 87-143, 85-104, 84-79, 83-28, and 81-118 were for the Lakes Addition development. The roads to be reconstructed under this permit serve this development.

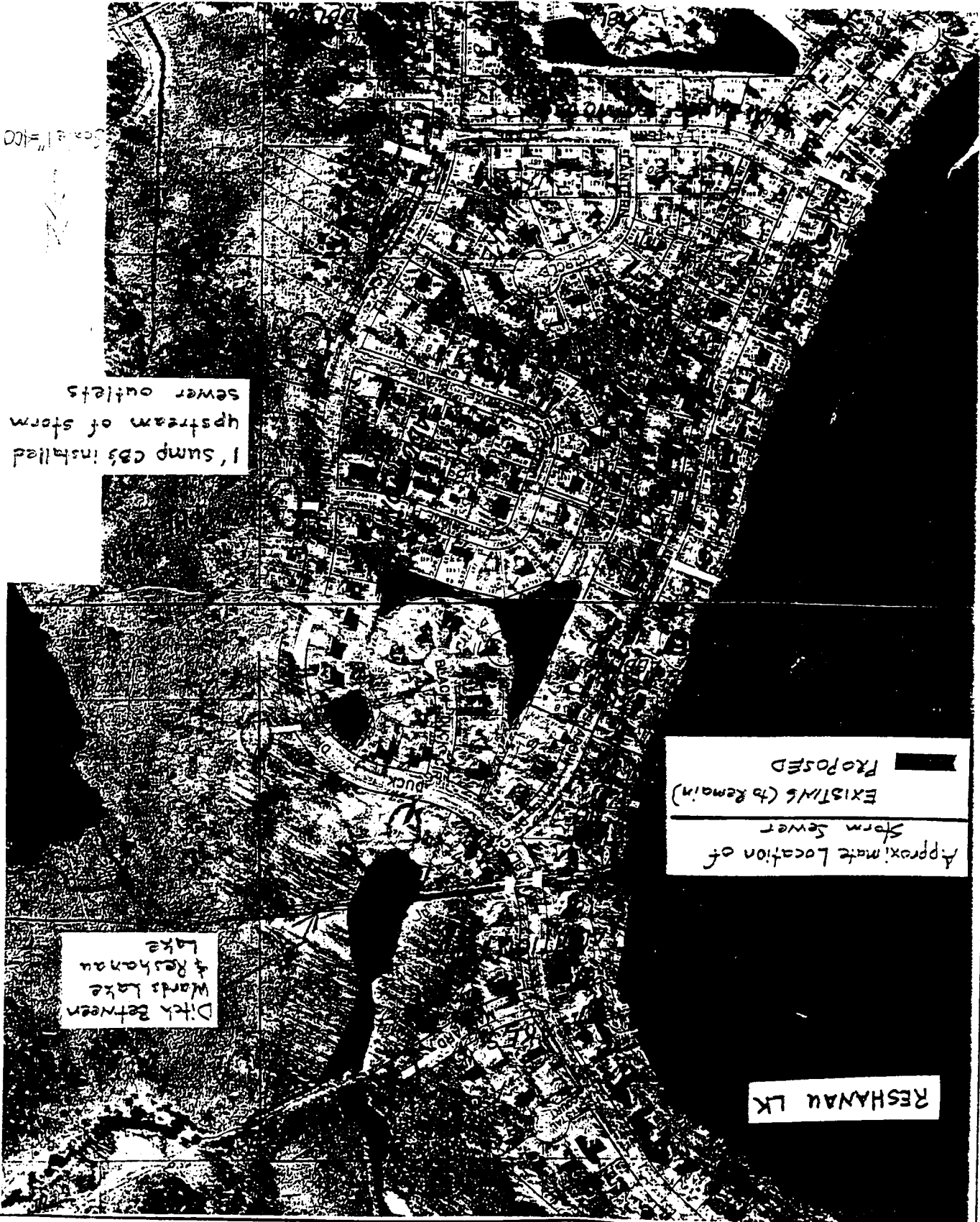
Board Action:

4/17/98
CEA

LAKE'S ADDITION
SHEET # 1
NOT TO SCALE

ON SITE
FILE NO.

APRIL 1997 Aerial Photo



Approximate Location of Storm Sewer
EXISTING (to remain)
PROPOSED

Ditch Between Wards Lake & Reshanau Lake

RESHANAU LK

1' sump cbs installed upstream of storm sewer outlets



Recommendation: Table with authorization for administrative action pending receipt of:

1. Clarification of stockpile materials, schedule for their removal, and Erosion Control Plan, if appropriate.
2. Permit Application signed by Successful Bidder.
3. Cash surety in the amount of \$1,000.

Location: Anoka County-Blaine Airport, Blaine.

T-R-S: 31-23-28 and 31-23-33

Purpose: Approval of a Final Site Drainage Plan for runway reconstruction at the Anoka County-Blaine Airport, 478.6± acres.

- Exhibits:
1. Permit Application, unsigned, undated, received April 1, 1998.
 2. Construction Plans (16 sheets) prepared by SEH Aviation Services Group, dated March 13, 1998, received April 1, 1998.
 3. Project Manual prepared by SEH, dated March 13, 1998, received April 1, 1998.

- Findings:
1. The majority of the proposed work is outside of the District. The only portion within the District is the location of a waste materials stockpile. Clarification of the waste stockpile materials, schedule for their removal, and an Erosion Control Plan, if applicable, is needed.

Board Action:

Recommendation: Table with authorization for administrative action pending receipt of:

- ~~1. Board discussion regarding water quality treatment requirements.~~
1. ~~2.~~ Erosion Control Plan specifying silt fence downslope of all graded areas, bale checks at all catchbasins, riprap at all storm sewer outfalls, an implementation schedule and revegetation specifications.
- ~~2. 3.~~ Permit Application signed by Successful Bidder.
- ~~3. 4.~~ Cash surety in the amount of \$3,000.

Location: Long Lake Road from Kari Lane to 13th Street N.W.

T-R-S: 30-23-20 cbb

Purpose: Approval of a Culvert Construction Plan for approximately 440± feet of relief storm sewer.

- Exhibits:
1. Permit Application, unsigned, undated, received April 3, 1998.
 2. Site Plan and utility locations prepared by Barr Engineering Company, undated, received April 3, 1998.
 3. Project narrative prepared by the City of New Brighton, dated April 1, 1998, received April 3, 1998.

Findings: 1. Project involves the installation of approximately 440± feet of storm sewer to relieve a flooding problem in the Kari Lane area. Currently, Long Lake Road floods and overflows into the backyards of homes on Kari Lane, where water enters the basements of many homes. The District has asked the City of New Brighton to provide some water quality treatment as part of this project.

Three alternatives to obtain water quality treatment prior to discharging the water to the Pike Lake outlet channel were investigated by the city's consultant. All three were considered unacceptable by the city.

4/17/98
CEA

Permit Application No. 98-34: Successful Bidder, City of New Brighton

The first alternative is the construction of a sedimentation basin in the backyard area of Kari Lane which was deemed not feasible because it would be very costly and would not achieve the flood relief desired by the city. The city's consultant indicates that more runoff will reach the problem area, which cannot handle additional water without flooding adjacent homes. Installation of a sediment pond would also require the purchase and removal of one home in addition to construction costs.

The second option, construction of a sedimentation basin adjacent to the Pike Lake outlet channel, in the backyards of homes along Rosewood Court, was also deemed not feasible due to possible legal constraints, costs, and inability to provide water quality treatment of "first flush" low flows. The pond would need to be constructed within an existing drainage easement. The city indicates that they might not have the legal right to construct a sedimentation basin within this easement. The pond would only receive flows in larger storm events and would not catch, for treatment, the "first flush" of runoff.

The final option proposed by the city involves the installation of a large "Stormceptor" unit on the mainline of the storm sewer system, near 16th Avenue N.W. and 14th Street N.W. The city believes that this is the only feasible option as it will treat the "first flush" of stormwater runoff and provide water quality treatment currently not provided. Land acquisition or easements would not be required and the city owns the necessary equipment to maintain the unit. However, the city feels that the District does not have clear authority to require water quality treatment for this project and will agree to install the "Stormceptor" only if the District is willing to pay for the purchase and installation of the unit.

2. An Erosion Control Plan specifying silt fence downslope of graded areas, bale checks at all catchbasins, an implementation schedule, revegetation specifications, and riprap at all storm sewer outfalls will be required.
3. No wetlands will be impacted as a result of this project.

4/17/98
CEA

Permit Application No. 98-34: Successful Bidder, City of New Brighton

4. RCWD Project Review Files 89R24 and 88R24 were for the Long Lake Road reconstruction. RCWD File 89-78 was for the Rosewood Court area located just north of Kari Lane. File 96-77 (Creekwood Estates) was for an improvement to the Pike Lake ditch located southeast of Kari Lane.

Board Action:

4/17/98
CEA

E

Recommendation: Table pending receipt of:

1. Field verification by District staff of wetland boundaries.
2. Preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features and/or documentation supporting "exempt" wetland status.
3. Clarification of low floor, 100-year flood, high groundwater elevations affecting proposed home site.
4. Specification of building pad and driveway location and low floor elevations.
5. Cash surety in the amount of \$1,000.

Location: 180th Street North, 1,300 feet east of Innwood Avenue N., Hugo.

T-R-S: 31-21-2 aa

Purpose: Approval of a Land Development Plan for the subdivision of a 29.9-acre parcel.

- Exhibits:
1. Permit Application, dated February 9, 1998, received April 6, 1998.
 2. Certificate of Survey prepared by Hult and Associates, Inc., dated January 29, 1998, received April 6, 1998.
 3. Wetland Delineation Report prepared by McCombs Frank Roos Associates, Inc., dated January 26, 1998, received April 6, 1998.
 4. RCWD Permits 95-178 and 91-42.

- Findings:
1. Project involves the subdivision of a 29.9-acre parcel into 13.4± acre (Parcel A) and a 16.±-acre (Parcel B) properties. Parcel B is currently developed with a single family residence.
 2. NWI maps indicate the presence of Type III, VI/VII, and V wetlands on site. A Wetland Delineation Report has been submitted. DNR Protected Wetland 221W is located in the northwest corner of Parcel A. No wetland impacts are proposed.

4/17/98
CEA

Permit Application No. 98-35: Gerald Preston

3. A preliminary plat granting ponding and flowage easements over some on-site wetlands has been received. Easements will be required over all on-site wetlands, ponds, floodplain, and other hydrologic features.
4. The RCWD has no information regarding water level fluctuations in any of the wetland basins on or adjacent to the site.
5. RCWD Permits 95-178 and 91-42 were reviewed for other projects on 180th Street N. in Hugo.

Board Action:

4/17/98
CEA

Recommendation: Table^{WAFAA} pending receipt of:

② Stage-storage curves for central pond and northwestern wetland.

- ~~1. Wetland Delineation Report.~~
- ① 2. Field verification by District staff of wetland boundaries.
- ~~3. Map showing existing topography and subwatersheds only.~~
- ~~4. Revised calculations demonstrating that post-development peak discharge rates are not increased over existing conditions for the 1- or 100-year storm events.~~
- ③ 5. ^{Revised grading plan} ~~Runoff calculations~~ demonstrating water quality provisions equal to the runoff from a 2.5-inch rainfall for all roadway runoff prior to discharging to wetlands. (including supporting calculations)
- ④ 6. Revised Erosion Control Plan specifying riprap at all storm sewer outfalls.
- ~~7. Specification of high water level for the northwestern and the southeastern wetlands.~~
- ~~8. Review of first floor elevations following receipt of revised runoff calculations and wetland high water levels.~~
- ~~9. Preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features.~~
- ~~10. Additional review by RCWD staff following receipt of above items.~~
- ⑤ 11. Copy of MPCA NPDES permit application.
- ⑥ 12. Cash surety in the amount of \$6,500.

Location: Southeast corner of Lexington Avenue and Victoria Street, Shoreview.

T-R-S: 30-23-23 cb

Purpose: Approval of a Land Development Plan for a multifamily residential development to be known as Weston Woods of Shoreview Hills, 104 lots, 28.2± acres.

4/17/98
CEA

- Exhibits:
1. Permit Application dated March 31, 1998, received April 6, 1998.
 2. Preliminary plat prepared by Hedlund Engineering, dated ~~March 31,~~ ^{L.R. 4/10} 1998, received ~~April 8,~~ ^{4/20} 1998.
 3. Preliminary Grading Plan prepared by Hedlund Engineering, dated April 6, 1998, received April 8, 1998.
 4. Preliminary Utility Plan prepared by Hedlund Engineering, dated April 6, 1998, received April 8, 1998.
 5. Runoff calculations prepared by Hedlund Engineering, dated April 1, 1998, received April 6, 1998.
 - ⑥ Wetland Delineation Report, prep'd by Sloboda Ecological Resources, dated 9/19/97, rec'd 4/20/98.
 7. RCWD Permit File 78-138.

- Findings:
1. Project involves the construction of a multifamily residential development on a currently undeveloped site to be known as Weston Woods of Shoreview Hills. Approximately 3,100± feet of roadway will be constructed to serve the development.
 2. NWI maps indicate the presence of Type III, III/IV, and V wetlands on site. The submitted Grading Plan indicates that ~~one of these~~ ^{The central} wetlands will be utilized for stormwater storage. ~~Wetland impacts are unclear and a~~ Wetland Delineation Report has not been submitted. ^{Type 1}
 3. Runoff from approximately 80% of the roadway will be routed through storm sewers to a detention pond located at the center of the site which provides water quality treatment in accordance with District standards. This detention pond will overflow to an existing wetland which discharges through storm sewer to a large wetland located at the northwest corner of the site.

Runoff from the remaining 20% of roadway is storm sewered to the large wetland at the northwestern corner of the site. Pretreatment prior to discharging to this wetland is not provided and will be required. It is unclear if rate control from this wetland is provided.
 4. An Erosion Control Plan has been submitted specifying silt fence downslope of all graded areas, between proposed ponds and graded areas, and between wetlands and graded areas, as well as an implementation schedule and revegetation specifications. A revised Erosion Control Plan will be required specifying riprap at all storm sewer outfalls.

4/17/98

CEA

Permit Application No. 98-36: Mark of Excellence Homes, Inc.

5. The 100-year flood elevation for Valentine Lake is 880.6 (1998 RCWD Calibration Study). Current plans indicate that the high water level of the center pond is 891.2. As it is unclear if rate control is provided, first floor elevations will need to be reviewed following receipt of revised calculations.
6. A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features ~~will be required.~~ has been submitted.
7. RCWD Permit File 78-138 was reviewed for the Rolling Hills townhome development located immediately north of the site. It appears that this site is out of the District.

Board Action:

4/17/98
CEA

E

Recommendation: Table ^{WAFPA} pending receipt of:

- ① 1. Wetland Delineation Report. OK, LEAVE IN
- ~~2. Field verification by District staff of no wetland impacts.~~
- ② ~~2.~~ Preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features.
- ③ ~~3.~~ Cash surety in an amount of ^{\$500.} ~~to be determined.~~

Location: Furman Street 1,000± feet south of Crossways Lake Boulevard, Columbus Township.

T-R-S: 32-22-27 aad

Purpose: Approval of a Final Site Drainage Plan for a single family residence riparian to Crossways Lake, 6.6± acres.

- Exhibits:
- 1. Permit Application, dated April 7, 1998, received April 7, 1998.
 - 2. Certificate of Survey prepared by E. G. Rud and Associates, Inc., dated March 30, 1998, received April 7, 1998.
 - 3. RCWD Permit File 86-34.

- Findings:
- 1. Project involves the construction of a single family residence on a currently undeveloped lot riparian to Crossways Lake.
 - 2. Rate control and water quality treatment will not be an issue as very little impervious area is being created and all runoff will be overland to Crossways Lake.
 - 3. An Erosion Control Plan has been submitted specifying silt fence downslope of all graded areas.
 - 4. NWI maps indicate the presence of a Type VI/VII (PFO/SS1B) wetland in the southwest corner of the site. ~~A wetland delineation report has not been submitted.~~ No wetland impacts will result from this project.

A wetland delineation has been performed, however, the delineation report has not been submitted.

4/17/98
CEA

Permit Application No. 98-37: Carpenter Homes

5. The flood elevation for Crossways Lake is 887.5. The proposed first floor elevation is 895.7, satisfying the District's 2-foot freeboard requirement.
6. FIS maps indicate the presence of Zone A floodplain in the southwestern corner of the site. No floodplain fill is proposed.
7. A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplains, and other hydrologic features will be required.
8. RCWD Permit Application 86-34 was for a single family residential development known as Wildwood Estates, located immediately east of the site.

Board Action:

4/17/98
CEA

E

Recommendation: Table with authorization for administrative action pending receipt of:

STIPULATION: At the time that future property division is proposed on

1. ~~Preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features~~ will be required.

document covering

- 1. ~~2.~~ Erosion Control Plan specifying silt fence between graded areas and wetlands, revegetation specifications and an implementation schedule.
- 2. ~~3.~~ Existing and proposed cross section for excavated pond.
- 3. ~~4.~~ Specification of proposed first floor elevation of at least 936.3.
- 4. ~~5.~~ Cash surety in the amount of \$1,000.

Location: 137th Street North (1.7 miles east of Highway 61), Hugo.

T-R-S: 31-21-8 ab

Purpose: Approval of a Final Site Drainage Plan and Wetland Alteration Plan for a single family residence and wildlife pond, 18.0± acres.

- Exhibits:
- 1. Permit Application, dated April 6, 1998, received April 7, 1998.
 - 2. Site Plan prepared by Applicant, undated, received April 7, 1998.
 - 3. Project narrative prepared by Applicant, dated April 6, 1998, received April 7, 1998.
 - 4. Wetland boundary narrative prepared by Washington County Soil and Water Conservation District, dated April 9, 1998, received April 13, 1998.

- Findings:
- 1. Project involves the construction of a single family residence on a currently undeveloped lot. The site was subdivided recently without RCWD review and ponding and flowage easements were not recorded.
 - 2. The applicant proposes to excavate approximately 1.1 acre-feet from an on-site wetland identified by NWI maps as a Type II (PEMBd) wetland. The material will be used as house construction fill.

4/17/98
CEA

Permit Application No. 98-38: Mark and Laura Hennes

3. Rate control and water quality treatment will not be an issue as very little impervious area is being created.
4. An Erosion Control Plan has not been submitted and will be required specifying silt fence between graded areas and wetlands, revegetation specifications, and an implementation schedule.
5. ~~A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features will be required.~~
6. RCWD records show a flood elevation for a private ditch under 137th Street N. (3,500 feet east of Goodview) at 934.3. The first floor elevation must be at least 936.3 to satisfy the District's freeboard requirement.

Board Action:

4/17/98
CEA

Recommendation: Table with authorization for administrative action pending receipt of:

STIP: All erosion control measures shall be coordinated with the District Inspector.

~~1. An Erosion Control Plan specifying silt fence downslope of all graded areas.~~

~~2. Specification of three season porch first floor elevation.~~

①. Cash surety in the amount of \$500.

Location: 1537 Peltier Lake Drive, Centerville.

T-R-S: 31-21-15 dbbd

Purpose: Approval of a Final Site Drainage Plan for an addition to a single family residence riparian to Peltier Lake, 0.3± acres.

- Exhibits:
1. Permit Application, dated April 8, 1998, received April 8, 1998.
 2. Site Plan prepared by Applicant, undated, received April 8, 1998.
 3. RCWD Permit Application 94-169.

- Findings:
1. Project involves the construction of a three-season porch and deck for an existing single family residence. Runoff from the site will be overland to the adjacent Peltier Lake, and rate control and water quality treatment are not an issue.
 2. An Erosion Control Plan specifying silt fence downslope of all graded areas will be required.
 3. No wetland impacts will result from this project.
 4. The flood elevation for Peltier Lake is 887.0 (1998 Calibration Study). The proposed first floor elevation of the three season porch ^{will be} ~~has not been specified and needs to be at least 889.0 to satisfy the~~ District's 2-foot freeboard requirement. ^{ing}
 5. Proposed porch will not extend closer to the lake than the existing home. Therefore, structure setback is not an issue for the project.
 6. RCWD Permit 94-169 was for an addition to a single family residence located at 1573 Peltier Lake Drive.

Board Action:

4/17/98
CEA

E

Recommendation: Table pending receipt of:

1. Stormwater Management Plan providing full on-site ponding measures for subwatershed "E" including existing and proposed subwatershed boundaries, existing and proposed conditions runoff calculations for the 1- and 100-year storm events, and calculations demonstrating pond dead storage equal to the runoff from a 2.5-inch rainfall.
2. Wetland sequencing narrative.
3. Revised Grading Plan for replacement wetland providing for irregular edge with points and bays, and undulating bottom contours.
4. Revised Erosion Control Plan specifying silt fence downslope of all graded areas, riprap at all storm sewer outfalls, an implementation schedule and revegetation specification.
5. Specification of building first floor elevations.
6. Legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features.
7. Fulfillment of WCA 30-day comment period.
8. Cash surety in the amount of \$8,300.

- Stipulations:
1. The replacement wetland approved as part of this permit shall be constructed concurrent or prior to any wetland fill activity.
 2. The Notice of Use Restriction and Maintenance Responsibility for the replacement wetland shall be properly filed and recorded prior to any wetland fill activity.
 3. The permittee shall submit a monitoring report on the replacement wetland to RCWD which includes the information specified in Minnesota Rules 8420.0620 each year for five years following completion of the replacement wetland. The report shall be submitted no later than November 15 of each year.

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Permit Application No. 98-40: Molin Concrete

Location: 415 Lilac Street, Lino Lakes.

T-R-S: 31-22-8 cc

Purpose: Approval of a Final Site Drainage Plan and Wetland Alteration Plan for building additions and parking lots, 55.0± acres.

- Exhibits:
1. Permit Application, dated April 7, 1998, received April 8, 1998.
 2. Wetland Replacement Plan prepared by Bolton & Menck, Inc., dated April 8, 1998, received April 8, 1998.
 3. Wetland Delineation Report prepared by Bolton & Menck, Inc., undated, received April 8, 1998.
 4. Wetland Replacement Plan application prepared by Bolton & Menck, Inc., dated April 8, 1998, received April 8, 1998.
 5. RCWD Permit Files 97-134, 96-123, 94-151, 83-71, 80-18, and CSMP File 84C12.

- Findings:
1. Project involves the construction of a building addition, future office building, and parking lot at the existing Molin Concrete site. Drainage for the site was planned under CSMP File 84C12; however, this file indicates that ponding for subwatershed "E" was to be constructed under Phase 2 of site development. Review of past permit files indicates that this pond has not been constructed. As a result, ponding provisions, including supporting hydrologic calculations, will be required.

All proposed site improvements are located within subwatershed "E". Runoff from the proposed building addition is to be rerouted to subwatershed "A". This subwatershed pond is located in the right-of-way ditch for 4th Avenue. It is unclear if this pond can handle an increase in runoff volume.

2. A Wetland Delineation Report has been submitted indicating the presence of a Type III wetland in the southeast corner of the site. Applicant proposes to fill 0.58 acres of this wetland and has submitted a Wetland Replacement Plan indicating that 4.13 acres of replacement wetland will be constructed.

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Permit Application No. 98-40: Molin Concrete

3. An Erosion Control Plan has been submitted specifying silt fence between graded areas and the wetland. A revised Erosion Control Plan will be required specifying silt fence downslope of all graded areas, riprap at all storm sewer outfalls, an implementation schedule and revegetation specifications.
4. The flood elevation for County Ditch 10-22-32 under Lilac Street is 899.8. This elevation may affect wetland outlets.
5. A legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, floodplain, ponds, and other hydrologic features will be required.
6. RCWD Permit Files 94-151, 83-71, and 80-18 were for other projects on the Molin Concrete site. Files 97-134 and 96-23 were for road reconstruction of Lilac Street and 4th Avenue.

Board Action:

4/17/98
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E

Recommendation: Table pending receipt of:

1. Wetland Delineation Report.
2. Revised Grading Plan showing areas of wetland fill and created wetlands.
3. Wetland sequencing narrative.
4. Coordination with the City of Hugo regarding proposed wetland storage areas along JD 3, Branch 3 and proposed flow rate restrictions at Frenchman Road, as indicated in the Clearwater Creek Watershed CSMP.
5. Existing and proposed runoff calculations for the 1- and 100-year storm events, including subwatershed boundaries.
6. ~~Runoff calculations demonstrating pond dead storage equal to the runoff from a 2.5 inch rainfall.~~
7. Flood elevation for JD 3, Branch 3 through site.
8. Erosion Control Plan specifying silt fence downslope of all graded areas between proposed pond and graded areas, between wetlands and graded areas, riprap at all storm sewer outfalls, and implementation schedule and revegetation specifications.
9. Preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features including 50 feet from the centerline of Judicial Ditch 3, Branch 3.
10. Copy of MPCA NPDES permit application.
11. Narrative addressing incorporation of BMPs for minimizing runoff (e.g., minimizing impervious surface and maximizing infiltration).
12. Completion of WCA 30-day comment period.
13. Cash surety in an amount to be determined.

⑥ Revised grading plan
Specifying skimmers
(with detail) prior to
discharging to wetlands.

Permit Application No. 98-41: Backes Companies

- Stipulations:
1. The replacement wetland approved as part of this permit shall be constructed concurrent or prior to any wetland fill activity.
 2. The Notice of Use Restriction and Maintenance Responsibility for the replacement wetland shall be properly filed and recorded prior to any wetland fill activity.
 3. The permittee shall submit a monitoring report on the replacement wetland to RCWD which includes the information specified in Minnesota Rules 8420.0620 each year for five years following completion of the replacement wetland. The report shall be submitted no later than November 15 of each year.

Location: Southwest corner of 160th Street N. and Highway 61, Hugo.

T-R-S: 31-21-17 b

Purpose: Approval of a Land Development Plan and Wetland Alteration Plan for a single family residential development to be known as Clearwater Creek Preserve, 223 lots, 165.1± acres.

- Exhibits:
1. Permit Application dated April 9, 1998, received April 9, 1998.
 2. Grading Plan prepared by Loucks and Associates, Inc., dated April 3, 1998, received April 9, 1998.
 3. Preliminary plat prepared by Loucks and Associates, Inc., dated April 3, 1998, received April 9, 1998.
 4. Existing conditions prepared by Loucks and Associates, Inc., dated April 3, 1998, received April 9, 1998.
 5. Utility Plan prepared by Loucks and Associates, Inc., dated April 3, 1998, received April 9, 1998.
 6. Wetland Replacement Plan Application, prepared by Kjolhaug Environmental Services Company, dated April 9, 1998, received April 9, 1998.
 7. RCWD Permit Files 97-150 and 95-74.

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Permit Application No. 98-41: Backes Companies

- Findings:
1. Project involves the construction of a single family residential development to be known as Clearwater Creek Preserve on a currently undeveloped site. Approximately 2.3± miles of 156th Street N., 156th Court, 157th Street N., 158th Street N., 159th Street N., Finley Avenue N., Fitzgerald Court, Fenway Court, Fenway Circle, Finley Court, Fitzgerald Avenue N., and Foxhill Avenue N. will be constructed to serve the development.
 2. The Cities of Lino Lakes and Hugo have completed a Comprehensive Stormwater Management Plan for the Clearwater Creek watershed. This plan identifies future wetland storage areas along JD 3, Branch 3 on this site and also the possibility of flow restriction at Frenchman Road. Coordination with the City of Hugo regarding these opportunities is necessary.
 3. Runoff from all roadways will be routed through storm sewers to several new on-site detention ponds. Existing and proposed runoff calculations for the 1- and 100-year storm events, including existing and proposed subwatershed boundaries, have not been submitted. Runoff calculations demonstrating pond dead storage equal to the runoff from a 2.5-inch rainfall will also be required. This site also falls within those areas required by the District to demonstrate runoff volume practices.
 4. NWI maps indicate the presence of several Type II, III, III/IV, and V wetlands on site. A Wetland Delineation Report and sequencing narrative have not been submitted and will be required. The Wetland Replacement Plan application indicates that 2.47 acres of Type VI/I wetland fill will result from this project. Washington County's WCA de minimus exemption is 2,000 square feet of Type I, II, VI, and VII wetlands. Approximately 4.94 acres of replacement wetland will be created, satisfying WCA's 2:1 replacement ratio. A revised Grading plan showing areas of wetland fill and created wetlands will be required.
 5. An Erosion Control Plan will be required specifying silt fence downslope of all graded areas between proposed ponds and graded areas, between wetlands and graded areas, riprap at all storm sewer outfalls, an implementation schedule and revegetation specifications.

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Permit Application No. 98-41: Backes Companies

6. The District has no information regarding water level fluctuations in any of the wetland basins or the ditch on this site. FIS maps indicate the presence of Zone B floodplain along the ditch and Zone C floodplain for the remainder of the site. Proposed first floor elevations will be reviewed following determination of on-site pond high water levels and the flood elevations for the ditch and adjacent wetlands.
7. A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features, including 50 feet from the centerline of Judicial Ditch 3, will be required.
8. RCWD Permit File 97-150 is currently being reviewed for an outlet to Oneka Lake, located east of the site. Permit File 95-74 was reviewed for the rebuilding and upgrading of the existing transmission lines along Highway 61.

Board Action:

4/17/98
CEA

Recommendation: Table with authorization for administrative action pending receipt of:

1. Detailed Grading Plan or letter stating original contours approved in Permit 86-19 will be established.
2. Revised Erosion Control Plan specifying an implementation schedule and revegetation specifications.
3. Field verification by District staff of no wetland impacts.
4. Clarification of proposed culvert placement for accessing lot across the wetland outlet channel.
5. Cash surety in the amount of \$1,000.

Location: 2360 Leibel Street, White Bear Township.

T-R-S: 30-22-1 bac

Purpose: Approval of a Rough Grading Plan for Lot 6, Block 2 of the Leibel Addition, 2.5± feet.

- Exhibits:
1. Permit Application, dated April 9, 1998, received April 9, 1998.
 2. Site Plan prepared by Applicant, dated April 9, 1998, received April 9, 1998.
 3. RCWD Permit Files 97-155, 87-141, 86-19, and CSMP File 85C03.

Findings:

1. Project involves the rough grading of Lot 6, Block 2 of the Leibel Addition. Permit 86-19 was previously issued for this project and Applicant is seeking a reinstatement of the permit.

Runoff from this site flows to a regional detention pond constructed under CSMP 85C03 and Permit 87-141, which provides rate control and water quality treatment in accordance with District standards. Drainage paths will be reviewed upon receipt of a Grading Plan.

2. An Erosion Control Plan has been received specifying silt fence along property lines. A revised Erosion Control Plan will be required specifying an implementation schedule and revegetation specifications.

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Permit Application No. 98-42: Curt Leibel

3. NWI maps indicate the presence of Type III (PEMCd) and Type II (PEMBd) wetlands on site. No wetland impacts are proposed and District Inspector will verify.
4. CSMP File 85C03 and Permit File 87-141 specify a regional pond high water level of 933.5. No floodplain fill is proposed at this time.
5. RCWD Permit File 97-155 is currently under review for construction of a building on the adjacent Lot 5, Block 2.

Board Action:

4/17/98
CEA

Recommendation: Table pending receipt of:

1. Detailed Grading Plan specifying existing topography and location of fill. Compensatory storage will be required for floodplain fill below 891.3.
2. Erosion Control Plan specifying silt fence downslope of graded areas, an implementation schedule and revegetation specifications.
3. Field verification by District staff of no wetland impacts.
4. Cash surety in the amount of \$500.

Location: 21199 Everton Avenue N., Forest Lake Township.

T-R-S: 32-21-18 cdbb

Purpose: Approval of a Shoreland ^{Alteration} Improvement Plan for a single family residence riparian to Clear Lake, 0.34± acres.

- Exhibits:
1. Permit Application, dated April 6, 1998, received April 7, 1998.
 2. Site Plan prepared by Applicant, undated, received April 7, 1998.
 3. RCWD Permit File 97-59.

- Findings:
1. Project involves the placement of approximately 7,500 square feet of fill riparian to Clear Lake. Applicant claims that the need for fill between the house and Clear Lake is a result of construction of a single family residence immediately west of this site (RCWD Permit File 97-59).
 2. The flood elevation for Clear Lake is 891.3 (1998 Calibration Study). A detailed Grading Plan has not been received and it is unclear if any floodplain fill will result from this project.
 3. An Erosion Control Plan will be required specifying silt fence downslope of graded areas, an implementation schedule and revegetation specifications.

Board Action:

4/17/98
CEA