

RCWD OFFICIAL COPY

RICE CREEK WATERSHED DISTRICT

CONSENT AGENDA

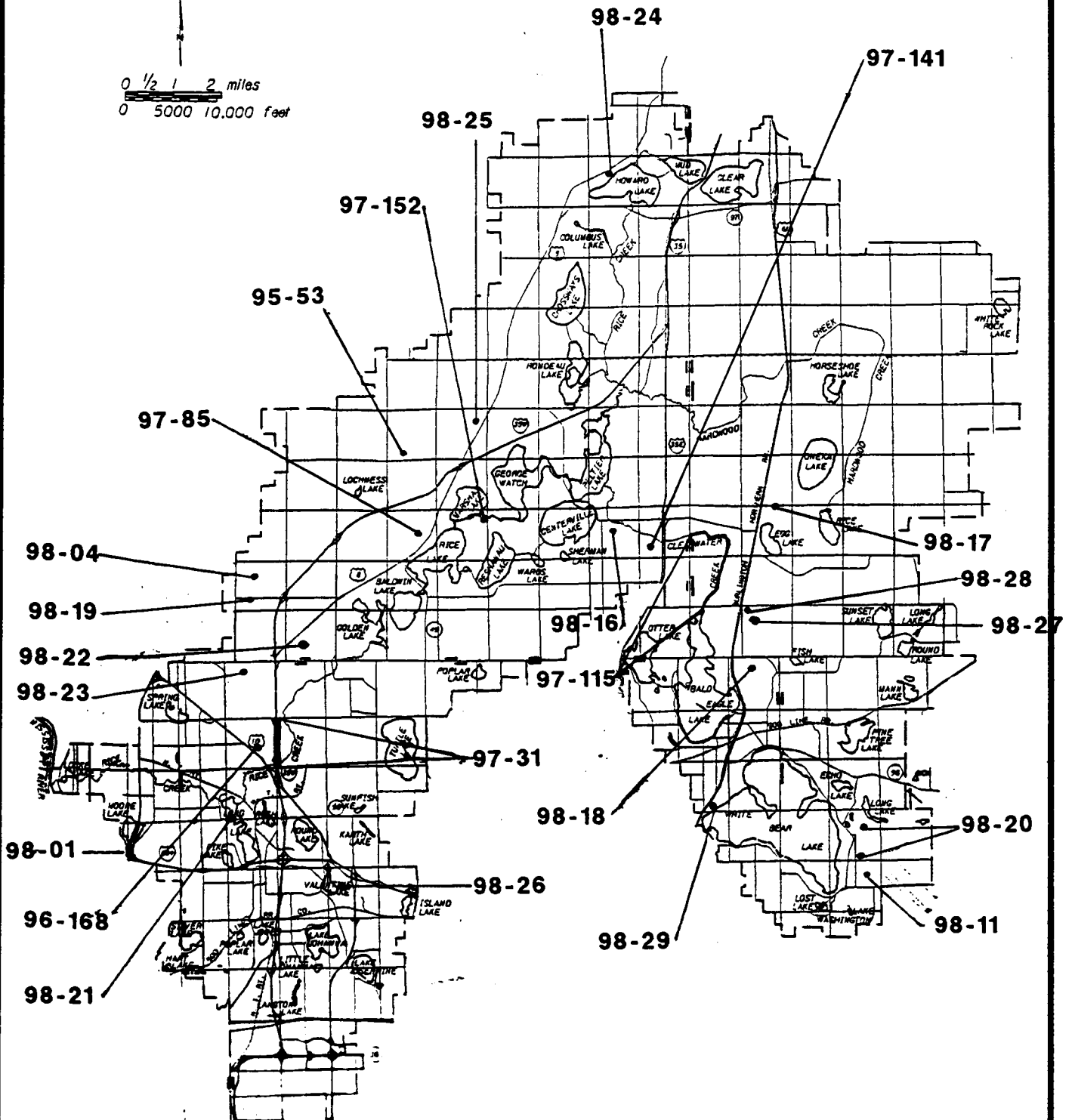
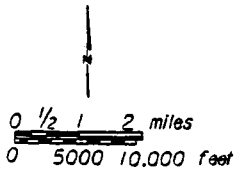
MARCH 25, 1998

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MAR 27 1998

RICE CREEK
WATERSHED DISTRICT

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 March 20, 1998

RICE CREEK
WATERSHED DISTRICT
1998 PERMIT



MONTGOMERY WATSON

Minneapolis, Minnesota

RICE CREEK WATERSHED DISTRICT

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MARCH 25, 1998

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* To be presented

Last Revised 2:00PM 3/25/98

+ presented

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

1. Cash surety in the amount of \$2,000.

Stipulations:

1. This permit applies to rough grading in upland (non-wetland) areas of the 4th Addition only.

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

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

Purpose: Approval of a Rough Grading Plan for the 4th Addition of a single family residential development to be known as Behm's Century Farm, 105± acres, 160 lots (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.

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Permit Application No. 95-53: Gary Uhde

- Findings:
1. Project involves rough grading in 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.
 2. NWI maps indicate a large Type III/VI (PSS6/EMCd) wetland and a Type III (PEMC) wetland on site. No wetland impacts are proposed at this time.
 3. 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.
 4. This permit was issued on July 22, 1996 for Phase I, II, and II of Behm's Century Farm,

Board Action:

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

- ~~1. Board discussion of variance request.~~
- ~~2. On site ponding provisions (with supporting hydrologic calculations) for water quality treatment (runoff from 2.5-inch rainfall) for redeveloping portion of site.~~
3. Cash surety in the amount of \$2,000.

Location: Southeast quadrant of County Road H2 and Highway 10, Mounds View.

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

Purpose: Approval of a Final Site Drainage Plan for the expansion of an existing car dealership, 3.25± acres.

- Exhibits:
1. Permit Application, dated November 14, 1996, received November 14, 1996.
 2. Proposed Site Plan prepared by Darwin Lindahl, Architects, dated October 30, 1996, received November 14, 1996.
 3. Preliminary Grading, Drainage, and Erosion Control Plan prepared by Rehder and Associates, Inc., last revised March 19, 1998, received March 20, 1998.
 4. Variance request letter prepared by Rehder & Associates, Inc., dated March 4, 1998, received March 5, 1998.
 5. Project narrative prepared by Rehder & Associates, Inc., dated March 19, 1998, received March 19, 1998.

Findings: 1. On March 11, 1998, the Board denied the Applicant's request for a variance.

On March 25, 1998, the Board granted the Applicant's request for a variance

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2. Subsequently, District staff met with Applicant and discussed possible opportunities for water quality on site. As a result of discussions, plan modifications include a 350± foot grassed swale along the southerly property line, with check dams. Some runoff will also flow through curb cuts to a small depressed green area located in the parking lot. Applicant has also eliminated a proposed 2,500-foot driveway to the site to further decrease the impervious area. ^{Square}

To meet District requirements, 0.30 acre-feet of dead storage for water quality treatment would be required. The current plan would provide 0.04± feet of storage. Sandy soils are present on site, maximizing infiltration opportunities. This does not meet the District's requirements; however, we feel that the engineer for the developer has incorporated Best Management Practices to the extent which the proposed site layout can accommodate.

All surficial opportunities for meeting the District's water quality criteria have been explored. Based on the developer's intended use of the site and not incorporating subsurface infiltration/storage structures, the water quality measures have been maximized.

3. Project involves construction of a building and parking lot addition/redevelopment to an existing car dealership totaling 1.6± acres of new and redeveloped impervious surface. Site runoff will be routed southwest to an on-site grassed swale which discharges into the Highway 10 right-of-way drainage ditch. An on-site detention pond is not proposed.

~~A revised Stormwater Management Plan will be required identifying an on-site detention pond with supporting hydrologic calculations demonstrating water quality treatment for the redeveloping portion of the site.~~

4. The Applicant is requesting a variance from the District's requirement of water quality treatment for developing sites. Total amount of existing impervious surface is 108,046 sq ft (2.48 acres). After development, impervious surface will total 106,858 sq ft (2.45 acres). The decrease in impervious surface as a result of development is 1,188 sq ft. An additional decrease in impervious surface of 1,264 sq ft will occur from the removal of entrances in the Highway 10 right-of-way.

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5. The RCWD variance policy requires the following in order for the Board of Managers to grant a variance:
 - Special conditions apply to the structure or land under consideration that do not apply generally to other land or structures in the District.
 - Because of the unique conditions of the property involved, undue hardship to the applicant would result, as distinguished from more inconvenience, if the strict letter of the rules was carried out. Economic considerations alone shall not constitute undue hardship if any reasonable use of the property exists under the terms of the District's rules.
 - The proposed activity for which the variance is sought will not adversely affect the public health, safety, welfare, will not create extraordinary public expense, will not adversely affect water quality, water control, or drainage in the District.
 - The intent of the District's rules is met.
6. The flood elevation for this site is 902.0 (FIS) at a wetland located approximately 500 feet northwest of the site, identified on NWI maps as a Type III (PEMC) basin. The proposed first floor elevation of the building addition is 910.69. The first floor elevation will be reviewed following determination of on-site pond high water level.
7. NWI maps do not indicate the presence of wetlands in the parking lot expansion area.
8. An Erosion Control Plan has been submitted specifying silt fence downslope of graded areas on the western portion of the property and check dams within the swale. Additional silt fence will be placed downslope of graded areas along east property boundary.
9. This permit was tabled on November 27, 1996 for stormwater management and erosion control issues. It was TWAFAA'd on February 25, 1998 and March 11, 1998 for water quality issues.

Board Action:

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March 19, 1998

**NARRATIVE
for
MOUNDS VIEW SATURN**

Saturn has requested a variance (dated March 4, 1998 - Revised March 6, 1998) from the Watershed District's rules requiring treatment for a 2-1/2 inch rainfall event from all disturbed areas. This treatment is usually accomplished in a NURP pond. Currently, all of the stormwater running off of the site is conveyed by overland flow through a ditch along U.S. Highway 10 or in the gutter along County Road H2. Further, no existing storm sewer lines are available adjacent to the site. Therefore, a NURP pond is not feasible on this site because piping or outletting the site runoff to a pond would require a pond bottom elevation approximately seven feet below the ditch elevation along U.S. Highway 10, which is the lowest outlet elevation from the site (see attached sketch plan). Given these limitations and after consulting with the Watershed's engineers, we are proposing a grassed swale along the entire southerly property line adjacent to disturbed areas. Railroad ties will be placed perpendicular to the flow every 100 feet in the swale to slow down the runoff and encourage treatment. It should be noted that the runoff will travel an additional 1050 feet to the northwest in the ditch along U.S. Highway 10 after it leaves the site, which will provide additional treatment. The runoff ultimately ponds in a low area west of St. Stephens Street.

To further address your concerns, we have taken two additional steps on-site to reduce the impervious area and increase infiltration. We are proposing a 18" depression in one of the on-site parking curb islands that will serve as a sedimentation basin, improving infiltration and reducing runoff. Finally, we changed the original plan that had proposed a thirty foot wide access to U.S. Highway 10. This access has now been eliminated, reducing the impervious area by approximately 2500 square feet.

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WATERSHED DISTRICT #1
1000 - 1013

Rehder
& Associates, Inc.

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

1. Copy of COE permit application.
2. Narrative addressing impacts to wetland from construction of Pond A.
3. ~~Permit Application signed by Successful Bidder.~~
4. ~~Cash surety in the amount of \$5,000.~~

Location: I-35W between Highways 10 and 118, Mounds View.

T-R-S: 30-23-4,5,8,9

Purpose: Approval of a Roadway Construction Plan for improvements to 7,350± feet of I-35W.

- Exhibits:
1. Permit Application, unsigned, undated, received March 13, 1997.
 2. Project narrative prepared by MnDOT, dated March 12, 1997, received March 13, 1997.
 3. Preliminary site plans prepared by MnDOT, undated, received March 13, 1997.
 4. Erosion Control Plan prepared by MnDOT, undated, received February 20, 1998.
 5. Dead storage calculations prepared by MnDOT, undated, received February 20, 1998.
 6. Project narrative prepared by MnDOT, dated February 19, 1998, received February 20, 1998.

Findings: 1. Project involves construction of two inside lanes along 7,350± feet of I-35W between Highways 10 and 118. Four ponding systems will be constructed within the interchanges of Highway 10, County Road I, and Highway 118 to collect all runoff from existing and proposed interstate roadway. Each pond discharges to Rice Creek.

Permit Application No. 97-31: Successful Bidder, MnDOT
(To be Selected)

Ponds B and D provide water quality treatment in accordance with District standards. Ponds A and C are unable to provide dead storage for the 2.5-inch rainfall due to pond placement limitations imposed by interchange roadways. The maximum possible dead storage is provided.

2. NWI maps indicate the presence of a Type III (PEMC) wetland within the proposed Pond A. NWI maps do not indicate the presence of wetlands at any other potential ponding sites. Other alternatives to constructing Pond A within the wetland, such as a two-celled ponding system, should be addressed.
3. During negotiations with Ramsey County regarding the reconstruction of Old Highway 8, MnDOT expressed interest in collecting Trunk Highway 10's runoff and the pond adjacent to Rice Creek. Approximately 29 acres drainage from the Highway 10 right-of-way will be routed to Pond A. The total tributary area for this pond is 90.5 acres.
4. An Erosion Control Plan has ~~not~~ been submitted ~~and will be required~~ specifying riprap at all storm sewer outlets, and silt fence located downslope of all graded areas and in between graded areas and ponds. Skimmers will be placed at all pond outlets.
5. No floodplain fill will result from this project.
6. Rice Creek lies directly adjacent to Pond A and is within 500± feet of Pond C. Anoka-Ramsey Judicial Ditch 1 passes under I-35W via storm sewer near the Highway 118 interchange. There will be no impacts to the ditch system.
7. This permit was tabled on February 26, 1997 for water quality and erosion control issues.

Board Action:

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Recommendation: Approval.

Location: Approximately 1,500 feet north of Lake Drive and east of Second Avenue, Lino Lakes.

T-R-S: 31-22-19 dbbb

Purpose: Approval of a Land Development Plan for a single family residential development to be known as Pine Valley Estates, 4 lots, 10.2± acres.

- Exhibits:
1. Permit Application, dated June 12, 1997, received June 12, 1997.
 2. Wetland consultation letter prepared by Anoka Conservation District, dated June 2, 1997, received June 12, 1997.
 3. Preliminary plat prepared by Hy-Land Surveying, dated July 16, 1997, received March 10, 1998.
 4. Grading Plan prepared by Hy-Land Surveying, dated June 12, 1997, received June 19, 1997.
 5. RCWD CSMP File 89C01 and Permit File 86-24.
 6. Cash surety in the amount of \$1,000, received February 24, 1998 from Lang Builders, Inc.

- Findings:
1. Project involves the subdivision of a 10.2± acre parcel into three 1.2-acre lots and a single 6.6-acre lot. All lots are currently undeveloped with the exception of Lot 2 which contains a single family residence. The site is located within CSMP 89C01 which does not provide ponding credit for developing sites. However, rate control and water quality treatment will not be an issue as very little impervious area is being created and all site runoff is overland to the wetland.
 2. Approximately 70% of the current site is covered by a Type VI (PSSB) wetland. Applicant is proposing to place approximately 750 square feet of fill within the fringe of this wetland. The fill falls under WCA's de minimus exemption for Anoka County and no wetland mitigation will be required.
 3. CSMP 89C01 identifies the flood elevation for the on-site wetland to be 890.1. House pad locations and first floor elevations have been specified and will be at least 892.1, satisfying the District's 2-foot freeboard requirement. No floodplain will be filled.

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Permit Application No. 97-85: Lang Builders, Inc.

4. An Erosion Control Plan has been submitted specifying silt fence located upslope of the proposed wetland fill area.
5. The Ulmer Homes development located immediately to the north was approved under Permit 86-24.
6. This permit was TWAFAA'd on June 25, 1997 for easement and erosion control issues.

Board Action:

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Permit Application No. 97-115: Successful Bidder, City of Hugo
(To be Selected)

TWAFAA

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

1. Permit Application signed by Successful Bidder.
2. Grading Plan for ponds within creek corridor correlating with submitted storage calculations.
3. Erosion Control Plan at excavation areas, diversion structures, equalizer pipes, and all other disturbed areas.
4. Construction time lines.
5. Cash surety or Performance Bond in the amount of \$50,000.
6. Permit fee in the amount of \$500.

Stipulations: 1. This phase of the permit covers only activities within subwatershed 5 from Clearwater Creek CSMP.

2. Further hydraulic analysis will be required upon further site development in subwatershed 5.

Location: Clearwater Creek from 129th Street N. (Bald Eagle Lake outlet) to Elmcrest Avenue N., Hugo.

T-R-S: 31-21-19,30,31

Purpose: Approval of a Comprehensive Stormwater Management Plan and Wetland Alteration Plan for enhancements to 2.5 miles of Clearwater Creek.

- Exhibits:**
1. Permit Application, unsigned, undated August 14, 1997.
 2. Construction plans (2 sheets) prepared by WSB and Associates, undated, received September 26, 1997.
 3. Project narrative prepared by WSB and Associates, dated August 14, 1997, received August 14, 1997.
 4. Typical section prepared by WSB and Associates, dated July 3, 1996, received September 26, 1997.

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CEA

Permit Application No. 97-115: Successful Bidder, City of Hugo
(To be Selected)

5. Photographic log, undated, received August 14, 1997.
6. Function and values assessment for existing and proposed wetland systems prepared by WSB and Associates, undated, received September 20, 1997.
7. Ditch flow diversion structure detail prepared by WSB and Associates, undated, received September 26, 1997.
8. Hydrologic benefits calculations prepared by WSB and Associates, Inc., dated March 16, 1998, received March 17, 1998.

Findings:

1. Total project involves the construction of 12 off-line stormwater ponding areas riparian to 2.5 miles of Clearwater Creek through the expansion of existing wetland areas. Project goals are to improve stormwater storage capacity, reduce peak flowrates, expand and enhance function and values of existing wetlands, and improve wildlife habitat.

This phase of the permit is for storage enhancements within subwatershed 5 only. All development other than the Bald Eagle Industrial Park may require on-site ponding.

2. The ponds will be constructed as off-line storage (similar to A/R JD 1 Meadows of Rice Creek Pond). Twelve separate excavation areas have been identified with 11 of the 12 proposed as expansions within existing wetland areas. Preliminary calculations identify approximately 36.8 acre-feet of affected wetlands and 200 acre-feet of storage enhancements. Ditch channel alterations are not proposed other than implementation of flow diversion structures.
3. Supporting hydrologic calculations quantifying stormwater management enhancements and identifying areas of benefit for subwatershed 5 have been submitted. Bald Eagle Industrial Park (RCWD Permit Application 98-05) will not require rate control due to storage enhancements.
4. No wetlands will be drained or filled by this project.

Board Action:

3/20/98
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Recommendation: Table with authorization for administrative action pending receipt of:

1. Revised Grading Plan identifying limits of grading and delineated wetland boundaries following field staking.
2. Field verification by District staff of wetland limits staking.
3. Revised Erosion Control Plan specifying silt fence surrounding grading limits, an implementation schedule, and revegetation specifications.
4. Cash surety in the amount of \$2,000.

- Stipulations:**
1. The aerial photo wetland delineations shall be staked in the field by the Applicant and verified by District staff.
 2. Further site development shall require a Final Site Drainage Plan permit. The buildings and parking lot are not covered under this phase of the permit.

Location: North of Cedar Street and west of Highway 35E, Lino Lakes and Centerville.

T-R-S: 32-22-7

Purpose: Approval of a partial "after-the-fact" Rough Grading Plan for future buildings and a parking lot, 150± acres.

- Exhibits:**
1. Permit Application dated October 15, 1997, received October 15, 1997.
 2. Preliminary Grading Plan prepared by Metro Land Surveying, dated March 12, 1998, received March 12, 1998.
 3. Site Plan prepared by Applicant, undated, received October 15, 1997.
 4. Existing Conditions Plan prepared by Metro Land Surveying, dated March 12, 1998, received March 12, 1998.
 5. Inspection report regarding previous site activities from the Anoka Conservation District, dated October 30, 1997, received November 6, 1997.

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Permit Application No. 97-141: Gerald Rehbein

6. Wetland Fill Permit Application prepared by Kjolhaug Environmental Services Company, Inc., dated March 17, 1998, received March 18, 1998.
7. RCWD Permit Files 97-125, 85-51, and 74-10.

Findings:

1. This project phase involves partial "after-the-fact" rough grading at the northeast corner of Cedar Street and County Road 54 for future building and parking lot construction. The 6.8± acre portion of the site undergoing grading is part of a 150± acre property which underwent unpermitted wetland and drainage system alterations.

Due to the disturbed nature of the wetlands, aerial photos were used to delineate historical limits. NWI maps indicate the presence of many Type II/III wetlands on site. These boundaries have not been included on the Grading Plan.

2. An Erosion Control Plan specifying silt fence downslope of all graded areas, implementation schedule, and revegetation specifications will be required.
3. RCWD Permit Application 97-125 was reviewed for grading northeast of the site for the future Clearwater Creek Industrial Park. Permit Application 87-51 was for Roam Industrial Park west of site and Permit Application 74-10 was for the realignment of Anoka County Ditch 47 (on Carpenter property) to the west of the site.
4. This Permit Application was tabled on November 26, 1997 for issues related to wetlands, erosion control, and drainage system alterations.

Board Action:

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Recommendation: Approval.

Location: Rice Creek approximately 500 feet east of Marshan Lake, Lino Lakes.

T-R-S: 31-22-20 ab

Purpose: Approval of an "after-the-fact" Bridge Construction Plan for repairs to an existing trail bridge on Rice Creek.

- Exhibits:
1. Permit Application, dated November 5, 1997, received November 6, 1997.
 2. Photos of old and new bridges, undated, received November 24, 1997.
 3. New bridge specification drawings, undated, received November 24, 1997.
 4. Copy of written information to the DNR, dated December 10, 1997, received December 15, 1997.

- Findings:
1. Project involves the "after-the-fact" modifications to an existing trail bridge over Rice Creek between George Watch and Marshan Lakes. Modifications included replacing bridge decking and railing and reinforcements to bridge timber piers. The bridge was also widened 3.5 feet and raised approximately 1 foot to accommodate Rice Creek canoeists and snowmobilers. Existing decking supports were reinforced with six 24-inch high steel trusses which were placed on existing piers.
 2. A site visit revealed that low chord of bridge was not lowered as reinforcing steel trusses were placed on top of existing piers. Low chord is 4.4± feet above ice level at estimated elevation 881.4. Bridge modifications will not result in reduced conveyance capacity or floodway/floodplain encroachment.
 3. The flood elevation for Marshan Lake is 886.1 (1992 RCWD Flood Study). No floodplain fill resulted from this project.
 4. A surety will not be required as bridge project is complete.
 5. This permit was tabled on November 25, 1997 for floodplain and erosion control issues.

Board Action:

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Permit Application No. 98-01: Successful Bidder, City of Fridley
(To be Selected)

TWAFAA

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

1. Permit Application signed by Successful Bidder.
2. Cash surety in the amount of \$3,000.

Location: Trunk Highway 65 from I-694 to Lake Pointe Drive, Fridley.

T-R-S: 30-24-23 b and 30-24-24 c

Purpose: Approval of a Final Site Drainage Plan and Wetland Alteration Plan for roadway improvements to 3,500± feet of Trunk Highway 65.

- Exhibits:**
1. Permit Application, unsigned, undated, received January 5, 1997.
 2. Construction Plans prepared by SEH, dated October 13, 1997, received December 22, 1997.
 3. Wetland Permit Application prepared by SEH, dated December 19, 1997, received December 22, 1997.
 4. Erosion Control Plan (6 sheets), prepared by SEH, dated March 3, 1998, received March 4, 1998.
 5. Project narrative prepared by SEH, dated March 4, 1998, received March 5, 1998.
 6. RCWD Permit File 87-08.

- Findings:**
1. Project involves reconstruction and improvements to Trunk Highway 65 from I-694 to Lake Pointe Drive, portions of which are adjacent to and impacting floodplain on Moore Lake. The traffic loops in the northeast and southwest quadrants of the I-694/Highway 65 interchange will be eliminated and Highway 65 will be resurfaced. All runoff is tributary to Moore Lake.
 2. RCWD Permit 87-08 was issued on March 4, 1987 for this project. Under this permit, a stormwater detention pond was constructed at Rice Creek Drive, northeast of Moore Lake in Fridley to mitigate 0.15 ac-ft of floodplain fill, although Trunk Highway 65 reconstruction was not realized. According to submittals from SHE,

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Permit Application No. 98-01: Successful Bidder, City of Fridley
(To be Selected)

the total volume excavated was 2.6 ac-ft. District records of the floodplain fill are incomplete; no information regarding the mitigation is available.

As a result of the 1992 RCWD Flood Study, the regulatory flood elevation of Moore Lake was changed to 879.7, increasing the amount of floodplain fill to 0.25 ac-ft.

3. The total increase in impervious surface is 2.2± acres. Rate control is not an issue as the ultimate destination of all roadway runoff is Moore Lake. Several discussions between District staff, the City of Fridley, and MnDOT's consultants have occurred. Opportunities for water quality ponding within MnDOT right-of-way, a park adjacent to Moore Lake, and other locations were described at length and found to not be feasible.

MnDOT's consultants divided the project area into subwatersheds and summarized their discharge points. Documentation indicates that runoff from 33.0± acres receives some water quality treatment before discharging to Moore Lake. Only 5.5± acres discharges directly to Moore Lake without any pretreatment. At this point, the Applicant has made a reasonable effort to provide treatment.

There is a vacant parcel west of T.H. 65 that is currently under the City of Fridley's control. When development does occur, opportunities for water quality ponding on this site should be explored and attempt to incorporate portions of the highway right of way flow.

3. Wetland delineation data forms have been submitted, although a full wetland delineation report has not been received. The supporting documents identify 0.24 acres (10,454 sq ft) of Type III (PEMC) wetland fill resulting from the project. No mitigation is proposed for the wetland fill because WCA Exemption 8, "Approved Developments," applies since a permit was issued in 1987 for this project.

Board Action:

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

1. Revised Grading Plan specifying Lot 3, Block 2 minimum first floor elevation of 910.5.
4

Location: Northeast corner of 91st Avenue N.E. and Bataan Street N.E., Blaine.

T-R-S: 31-23-34 bcd

Purpose: Approval of a Land Development Plan and Wetland Alteration Plan for a single family residential development to be known as Rice Creek Woods, 12 lots, 3.6± acres.

- Exhibits:
1. Permit Application, dated January 15, 1998, received January 15, 1998.
 2. Grading Plan prepared by Passe Engineering, Inc., dated January 15, 1998, received January 15, 1998.
 3. Preliminary plat prepared by E. G. Rud and Sons, dated March 3, 1998, received March 10, 1998.
 4. Wetland delineation report prepared by Arlig Environmental, Inc., dated January 10, 1998, received January 15, 1998.
 5. Runoff calculations prepared by Passe Engineering, dated March 12, 1998, received March 12, 1998.
 6. RCWD Permit Files 97-64, 97-28, 96-162, and 95-67 and CSMP File 95C01.
 7. Cash surety in the amount of \$1,000, received March 12, 1998 from Oakwood Land Development.

Findings: 1. Project involves the subdivision of a 3.6± acre property into 12 single family residential lots to be known as Rice Creek Woods, and construction of 250 feet of Alamo Street N.E. to serve the development.

3/20/98
CEA

2. Runoff from the roadway and several homes will flow to existing 91st Avenue and Bataan Street storm sewer (constructed under Permit 97-28), while the northeast corner of the site will drain to a small partially on-site wetland. The entire site is tributary to the A/R JD 1 regional pond (CSMP 95C01, Permit 96-162) located immediately south of the site which provides rate control and water quality treatment.
3. Wetlands near the center of the site and at the west property boundary have been delineated as Types I and II. Approximately 748 sq ft of Type II and 1,835 sq ft of Type I wetland fill will result from Alamo Street and lot grading. The impacts fall under Anoka County's WCA De minimus exemption allowing 5,000 sq ft of Type I/II/VI wetland fill without mitigation.
4. An Erosion Control Plan has been submitted specifying silt fence between graded areas and the wetland, as well as an implementation schedule and revegetation specifications.
5. The 100-year flood elevation for the A/R JD1 regional pond is 904.6. The first floor elevations east of the proposed Alamo Street are regulated by this elevation. The lowest proposed first floor elevation is 909.0, satisfying the District's 2-foot freeboard requirement.

The first floor elevations west of Alamo Street are regulated by the adjacent wetland flood level. This wetland is considered landlocked and back-to-back 100-year calculations indicate a flood elevation of 910.5⁴. The proposed first floor elevations of these homes will need to be 910.5⁴ to satisfy the District's nonregulatory floodplain freeboard requirement.
6. A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands and other hydrologic features has been submitted.
7. The Meadows of Rice Creek developments (Permits 97-64 and 96-162) are located immediately south of the site.
8. This permit was TWAFAA'd on January 28, 1998 for easement and wetland issues.

Board Action:

3/20/98
CEA

E

Recommendation: Table pending receipt of:

1. Wetland Delineation Report for entire site undergoing development.
2. Coordination with City of Mahtomedi regarding need for on-site ponds due to limited downstream conveyance capacity.
3. Revised Stormwater Management Plan specifying existing and proposed peak discharge rates for the 100-year rainfall event at East Avenue less than 6.45 cfs (per CSMP).
4. ~~Specification of receiving waterbody for 15-inch outlet pipe under East Avenue.~~
5. Pond "A1A" subwatershed ~~and stage-storage curve.~~
6. Review of sanctuary first floor elevation following on-site pond high water level determination.
7. Pond "A1A" outlet skimmer detail.
8. 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.
9. Cash surety in the amount of \$3,000.

Stipulation: Baffled weir for northern pond shall be repaired or replaced. (Pond "A1A")

Location: Northeast corner of Stillwater Road and East Road, Mahtomedi.

T-R-S: 30-21-29 aa

Purpose: Approval of a Final Site Grading Plan for a future church building and parking lot addition to St. Andrew's Church, 8.5± acres.

Exhibits: 1. Permit Application, dated February 10, 1998, received February 11, 1998.

3/20/98
CEA

Permit Application No. 98-11: St. Andrew's Lutheran Church

2. Grading Site Plan prepared by Architectural Alliance, last revised February 6, 1998, received February 11, 1998.
3. Utility Site Plan prepared by Architectural Alliance, dated September 25, 1997, received February 10, 1998.
4. Runoff calculations prepared by Wille and Associates, dated March 12, 1998, received March 12, 1998.
5. Wetland Delineation Report prepared by Chris A. Lord, dated August 21, 1997, received February 19, 1998.
6. RCWD CSMP File 84C13, Permit Files 90-144, 89-86, 89-06, and Project Review File 89R32.

Findings:

1. Project involves the construction of a church building and parking lot on the existing partially developed St. Andrew's Church property. Total increase in impervious area is 3.9± acres.
2. Runoff from the site is via storm sewer to two on-site wetlands which discharge under East Avenue into a series of ponds located southeast of the site. These ponds were constructed as part of the CSMP for the City of Mahtomedi (CSMP 84C13).

In a letter dated September 17, 1990, the City of Mahtomedi indicated that the current conveyance system downstream of the St. Andrew's site is at capacity. Coordination with the city regarding the need for on-site ponds will be necessary.

A revised Stormwater Management Plan will be required specifying the existing and proposed peak discharges for the 100-year rainfall event at East Avenue. The CSMP indicates that the rate off the site must be less than 6.45 cfs.

The on-site pond ('A1A') provides water quality treatment in accordance with District standards.

3. NWI maps indicate the presence of several wetlands on-site including Type V (PUBG/PUBF) and II/VII (PF01B). The Wetland Delineation Report identifies several wetlands including Type III (PEM1C), Type II (PEM1B), Type VII (PF01B), Type IV (PEM1Fh), and Type VI (PSS1B). It is unclear if there will be any wetland impacts as a result of this project.

3/20/98
CEA

Permit Application No. 98-11: St. Andrew's Lutheran Church

District Inspector noted on site visit that the existing skimmer outlet structure from the northern pond needs to be repaired. He also recommended that a wetland delineation report be completed for the entire site as current report did not delineate all on-site wetlands.

4. An Erosion Control Plan has been submitted specifying silt fence downslope of graded areas, between graded areas and the wetland edges, and riprap at all storm sewer outfalls, as well as an implementation schedule and revegetation specifications.
5. The proposed first floor of the church building has not been specified and will need to be reviewed following the determination of the pond high water levels.
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 Applications 90-144 (Phase III), 89-06 (Phase II), and 85-96 (Phase I) were for other phased projects at this site. Permit 89-86 was for a single family residential development, known as Briarcliff located southwest of the site. Project Review File 89R32 was for improvements to East Avenue.

Board Action:

3/20/98
CEA

Recommendation: Table pending receipt of:

1. Revised Erosion Control Plan specifying riprap at all storm sewer outfalls.
2. Revised Grading Plan specifying an outlet control structure (with skimmer) for proposed pond prior to discharge to wetland to provide rate control.
3. Determination of on-site wetland flood elevation.
4. Specification of proposed first floor elevations of at least 908.18.
5. Current status of 12-inch CMP at southeast corner of wetland.
6. Specification of native seed mix for replacement wetland side slopes and buffer area.
7. Field verification by District staff of wetland boundaries.
8. Copy of MPCA NPDES permit application.
9. Fulfillment of WCA 30-day public comment period.
10. Cash surety in the amount of \$8,000.

- 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.

3/20/98
CEA

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

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

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

Purpose: Approval of a Final Site Drainage 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., dated January 19, 1998, received February 22, 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 January 27, 1998, received February 26, 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.

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.

3/20/98
CEA

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 needs to be placed to provide rate control before discharging south to an existing wetland identified on NWI maps as Type II (PEMB) wetland.

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. Plans indicate a 12-inch CMP at the southeast corner of the wetland. The status of this culvert is unknown.
4. 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.
5. 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, an implementation schedule, and revegetation specifications. A revised Erosion Control Plan will be required specifying riprap at all storm sewer outfalls.
6. The 100-year flood elevation for Clearwater Creek at Main Street is 899.6 (1998 Calibration Study) and the on-site detention pond and wetland will have a 100-year flood elevation of 906.18. Proposed first floor elevations have not been specified and will need to be at least 908.18 to satisfy the District's 2-foot freeboard requirement.
7. 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.

3/20/98
CEA

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

8. 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.

Board Action:

3/20/98
CEA

Recommendation: Table pending receipt of:

1. Wetland Delineation Report.
2. Field verification by District staff of wetland boundaries.
3. Existing and proposed runoff calculations for the 1- and 100-year storm events (for all on-site ponds), including hydrologic routing of all on-site ponds.
4. Runoff calculations demonstrating pond dead storage equal to the runoff from a 2.5-inch rainfall over tributary area (for all on-site ponds).
5. A Revised Erosion Control Plan specifying silt fence around all proposed ponds and riprap at all storm sewer outfalls.
6. Outlet control structure detail (with skimmer) for final downstream pond.
7. Specification of wetland fill by basin and type (if necessary).
8. Wetland Replacement Plan and sequencing narrative (if necessary).
9. Specification of compensatory floodplain storage provided in each on-site pond in addition to volume required for rate control.
10. Copy of MPCA NPDES permit application.
11. Review of first floor elevation following on-site pond HWL determination.
12. 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.
13. Cash surety in an amount to be determined.
14. Incorporation of volume controls (with supporting calculations).

3/20/98
CEA

Permit Application No. 98-17: Marvin and Yvonne Christianson

Location: Oneka Lake Boulevard 2,500 feet east of Highway 61, Hugo.

T-R-S: 31-21-17 ddc and 31-21-20 aab

Purpose: Approval of a Final Site Drainage Plan for a multifamily residential development to be known as Oneka Lake View, 19.7± acres.

- Exhibits:
1. Permit Application, dated March 2, 1998, received March 3, 1998.
 2. Grading, Drainage, and Erosion Control Plan prepared by North Suburban Development, Inc., dated February 25, 1998, received March 3, 1998.
 3. Preliminary plat prepared by North Suburban Development, Inc., dated February 23, 1998, received March 3, 1998.
 4. Utility Plan prepared by North Suburban Development, Inc., dated February 25, 1998, received March 3, 1998.
 5. Drainage analysis and calculations prepared by Ken Guse Enterprises, dated February 26, 1998, received March 3, 1998.
 6. Alternatives analysis prepared by Ken Guse Enterprises, dated February 25, 1998, received March 3, 1998.
 7. Pre-permit investigation letter prepared by the RCWD, dated January 5, 1989, received March 3, 1998.
 8. RCWD Permit Files 97-04, 90-149, 89-85, 89-37, and 81-109.

- Findings:
1. Project involves construction of townhome development to be known as Oneka Lake View on a currently undeveloped site creating approximately 5.0± acres of impervious surface. Runoff from the site will be routed to three new on-site detention ponds. It is unclear if these ponds provide rate control and water quality in accordance with District standards.
 2. NWI maps indicate the presence of Type II and VI/VII wetlands on site. A Wetland Delineation Report has not been received. It is unclear if there will be any wetland impacts as a result of this project.

3/20/98
CEA

3. An Erosion Control Plan has been submitted specifying silt fence downslope of all graded areas. A revised Erosion Control Plan will be required specifying additional silt fence surrounding proposed ponds and riprap at all storm sewer outfalls.
4. The 100-year flood elevation for Clearwater Creek at Highway 61 is 930.0 and for Hardwood Creek at 157th Street N. is 927.1 (Applicant submittal). Flood Insurance Studies show a 100-year floodplain elevation of 932.0 for the area north of Oneka Lake Boulevard. The minimum proposed first floor elevation is 933.5 north of Oneka Lake Boulevard and 929.0 south of Oneka Lake Boulevard. First floor elevations will be reviewed following on-site pond high water level determinations which appear to control.
5. Approximately 0.86 acre-feet of floodplain fill will result from this project. The current proposal is to excavate compensatory storage in new detention ponds; however, the floodplain storage provided in each pond above the volume required for rate control has not been specified.
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 has not been submitted and will be required.
7. RCWD Permit Files 97-04, 90-149, 89-85, 89-37, and 81-109 were for projects within the Peloquin Industrial Park located approximately 1,000 feet west of the site.

Board Action:

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

1. Field verification by District staff of no wetland impacts.
2. An Erosion Control Plan specifying silt fence downslope of all graded areas, bale checks in swales, implementation schedule, and revegetation specifications.
3. Cash surety in the amount of \$1,000.

Location: Southeast corner of Leibel Street and County Road J, White Bear Township.

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

Purpose: Approval of a Final Site Drainage Plan for a storage building and parking lot on Lot 3, Block 2 of Leibel-Dupre Addition, 1.2± acres.

- Exhibits:**
1. Permit Application, dated March 5, 1998, received March 5, 1998.
 2. Site Plan prepared by Applicant, dated February 23, 1998, received March 5, 1998.
 3. RCWD Permit Files 96-53, 92-101, and 87-141, and CSMP File C02.

- Findings:**
1. Project involves the construction of an equipment storage building and parking lot on a currently undeveloped lot creating approximately 0.5± acres of impervious surface. Runoff from the site is directed to a ditch along the northeast property boundary. This ditch flows into the regional pond approved under CSMP 85C03 and Permit 87-141 for the Leibel-Dupre Addition which was constructed to provide rate control and water quality treatment in accordance with District standards. On-site ponding will not be required.
 2. An Erosion Control Plan has not been received and will be required specifying silt fence downslope of all graded areas, bale checks and swales, implementation schedule, and revegetation specifications.

3/20/98
CEA

Permit Application No. 98-18:

J. J. Charles and Sons

3. NWI maps indicate the presence of a Type III (PEMCD) wetland on site. It is unclear if there will be any impacts to this wetland and District staff will verify no wetland impacts.
4. The 100-year elevation of the regional pond located south of the site is 933.5 (CSMP 85C03). The proposed first floor elevation of the equipment storage building is 936.0, satisfying the District's 2-foot freeboard requirement.
5. RCWD Permits 96-53 and 92-101 were for Lot 4, Block 2 and Lot 2, Block 2 of the Leibel-Dupre Addition.

Board Action:

3/20/98
CEA

E

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

1. Specification of wetland fill (if any) by basin and type.
2. Inclusion of wetland boundaries on Grading Plan.
3. Determination of on-site wetland high water elevation.
4. Review of first floor elevations for Lots 1-3, Block 2, following wetland high water level determination.
5. Preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, and other hydrologic features.
6. Cash surety in an amount to be determined.

Location: Southeast corner of 95th Avenue N.E. and Bataan Street N.E., and the southwest corner of 95th Avenue N.E. and Flanders Street N.E., Blaine.

T-R-S: 31-23-27 cd

Purpose: Approval of a Land Development Plan for a single family residential development to be known as St. Clair Park, 13 lots, 10.8± acres.

- Exhibits:**
1. Permit Application, dated March 9, 1998, received March 9, 1998.
 2. Preliminary plat and Grading Plan prepared by E. G. Rud and Sons, Inc., dated February 11, 1998, received March 9, 1998.
 3. Wetland Delineation Report prepared by Anoka Conservation District, dated December 23, 1997, received March 9, 1998.
 4. RCWD Permit Files 97-63 and 95-31, and CSMP File 95C01.

Findings:

1. Project involves the subdivision of a 1.8-acre parcel and a 9.0-acre parcel into 11 single family lots and 2 outlots. Rate control and water quality treatment will not be an issue as little new impervious area is being created. No roadways are proposed.

3/20/98
CEA

Permit Application No. 98-19:

Park Development Corporation

2. NWI maps indicate the presence of a Type III wetland on site. A Wetland Delineation Report has been received and indicates the presence of Type II and III wetlands. It is unclear if any wetland impacts will result from the project.
3. The 100-year flood elevation for the A/R JD 1 regional pond constructed under CSMP 95C01 is 904.6. Proposed first floor elevations will be reviewed upon determination of the flood level for the on-site wetland.
4. A preliminary plat or legal document in satisfactory form and description granting ponding and flowage easements over all wetlands, ponds, and other hydrologic features has not been submitted and will be required.
5. RCWD Permit 97-63 was for a site located approximately 100 feet west and Permit 95-31 was for roadway improvements to Bataan Street.

Board Action:

3/20/98
CEA

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

1. Quantification of wetland impacts, if any.
2. Field verification by District staff of wetland boundaries.
3. Specification of apartment building first floor elevation at south end of Griffin Court.
4. Narrative addressing loss of water quality treatment in roadside ditches due to construction of bike trail along South Warner Avenue.
5. Receiving waterbody for storm sewer at southeast quadrant of 72nd Street and Warner Road.
6. Permit Application signed by Successful Bidder.
7. ~~6.~~ Cash surety in the amount of \$1,000.

Location: Mahtomedi:

- Hickory Street from Warner Avenue to Deer Oak Run
- Griffin Court from Hickory Street to end
- Maple Street from Griffin Court to East Avenue
- East Avenue from Maple Street to Locus Street
- South Warner Avenue south of 72nd Street
- 72nd Court

T-R-S: 31-21-20, 31-21-29

Purpose: Approval of a Roadway Reconstruction Plan for approximately 7,000± feet of roadway improvements to Hickory Street, Griffin Court, East Avenue, South Warner Avenue, and 72nd Court.

- Exhibits:
1. Permit Application, unsigned, undated, received March 11, 1998.
 2. Construction Plans, 39 sheets, prepared by Howard R. Green Company, dated February 26, 1998, received March 11, 1998.
 3. Stormwater information, 1998 Street Improvements, prepared by Howard R. Green Company, undated, received March 11, 1998.

3/20/98
CEA

Permit Application No. 98-20: Successful Bidder, City of Mahtomedi
(To be Selected)

4. RCWD Permit File 97-34.

Findings: 1. Project involves reconstruction of 7,000± feet of roadways in Mahtomedi:

- 2,600± feet of Hickory Street from Warner Avenue to Deer Oak Run
- 500± feet of Griffin Court from Hickory Street to end
- 1,700± feet of Maple Street from Griffin Court to East Avenue
- 650± feet of East Avenue from Maple Street to Locus Street
- 650± feet of South Warner Avenue south of 72nd Street

2. Runoff from Hickory Street and Griffin Court will be storm sewered to an existing low area south of Griffin Court, indicated as a Type V (PUBG) wetland by NWI. The existing low area currently provides no water quality treatment. A weir will be added at the Griffin Court low area to utilize the existing swale and provide 0.13 acre-feet of dead storage. The proposed high water level is 997.7. No other ponding options are available.

Runoff from Maple Street and East Avenue will be storm sewered to two new ponds located at the southeast corner of Maple Street and Hallan Avenue which provide water quality and rate control in accordance with District standards.

The new ponds discharge into an existing pond located at the northeast corner of Maple Street and Hallan Avenue. This pond also appears to be landlocked and the high water level resulting from two back-to-back 100-year storm events is 963.6.

The reconstruction of South Warner Avenue will result in approximately 200 feet of roadside ditch being replaced with storm sewer pipe. This is to accommodate construction of a bike trail adjacent to the roadway. Water quality treatment from lost flows through existing grassed roadside ditches have not been addressed.

Pavement will be removed from the current 72nd Court cul-de-sac to create a center island. Ponding will not be an issue as the total impervious area is decreasing.

3. An Erosion Control Plan has been submitted specifying silt fence along all construction limits and riprap at all storm sewer outfalls.

3/20/98
CEA

Permit Application No. 98-20: Successful Bidder, City of Mahtomedi
(To be Selected)

4. RCWD Permit File 97-34 was for street improvements to Warner Avenue from Greenwood Street to Maple Street.

Board Action:

3/20/98
CEA

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

1. Site Plan specifying location of proposed addition (at least 50 feet from Long Lake OHW of 866.0) and first floor elevation of at least ~~873.8~~ ^{870.8}
2. Erosion Control Plan specifying silt fence downslope of all graded areas.
3. Cash surety in the amount of \$500.

Location: 1929-15th Avenue N.E., New Brighton.

T-R-S: 30-23-17 cccb

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

- Exhibits:
1. Permit Application, dated March 12, 1998, received March 12, 1998.
 2. Certificate of Survey prepared by Carley Torgerson, Inc., dated August 29, 1996, received March 12, 1998.
 3. RCWD Permit File 96-165.

- Findings:
1. Project involves construction of an addition to a single family residence riparian to Long Lake. RCWD Permit 96-165 was for a similar project while the house was under different ownership. Rate control and water quality will not be an issue as very little impervious surface is being created.
 2. The 100-year flood elevation for Long Lake is ~~871.8~~ ^{868.8} (199~~8~~ ² RCWD Calibration Study). The proposed first floor elevation of the addition has not been specified and will need to be ~~873.8~~ ^{870.8} to satisfy the District's 2-foot freeboard requirement.
 3. Long Lake's OHW is 866.0 and the addition will need to be set back at least 50 feet to satisfy the DNR's General Development setback requirements.

Permit Application No. 98-21: James Lampi

4. An Erosion Control Plan has not been submitted and will be required specifying silt fence downslope of all graded areas.
5. No wetlands will be impacted as a result of this project.

Board Action:

3/20/98
CEA

Permit Application No. 98-22: Robert Carlson

TWAFAA
TAB

Recommendation: Table ^{WAFAA} pending receipt of:

- ~~1. Wetland Delineation Report.~~
1. 2. Field verification by District staff of wetland boundaries.
- ~~3. Revised Erosion Control Plan specifying silt fence around proposed pond and bale checks in swale.~~
- ~~4. Existing and proposed subwatershed boundaries.~~
- ~~5. Existing discharge rate eastward across Rendova Street.~~
2. 6. Preliminary plat or legal document granting ponding and flowage easements over all on-site and off-site ponds, wetlands, floodplain, and other hydrologic features.
- ~~7. Receiving water body for storm sewer discharge east of Rendova.~~
3. 8. Cash surety in the amount of \$2,000.

Stipulation: Further ponding will be required when Lot 5 develops. This permit covers 1.43 acres of Lot 5 under developed conditions, ^{only} as specified by the submitted subwatershed delineations.

Location: Southwest corner of 88th Avenue N.E. and Rendova Street, Blaine.

T-R-S: 31-23-35 cda

Purpose: Approval of a Final Site Drainage Plan for an industrial building and parking lot, 1.8± acres.

- Exhibits:
1. Permit Application, dated March 12, 1998, received March 12, 1998.
 2. Grading Plan prepared by Charles W. Plowe, Consulting Engineer, dated March ~~12~~_{L.R.}, 1998, received March ~~12~~₂₃, 1998.
 3. Runoff calculations, proposed conditions, prepared by Charles W. Plowe, Consulting Engineer, dated March 12, 1998, received March 12, 1998.
 4. Wetland Delineation Report, prep'd by RLK Assoc., Ltd., dated 11/14/96, rec'd 3/23/98.

3/20/98

SEA

Permit Application No. 98-22:

Robert Carlson

- 6.4. Runoff calculations, existing conditions, prepared by Charles W. Plowe, Consulting Engineer, dated March 6, 1998, received March 16, 1998.
- 6. Subwatershed map, prepared by Charles W. Plowe, Consulting Engineer, undated, received 3/23/98.
- 7.5. RCWD Permit File 93-129 and CSMP file 84606.

Findings:

1. Project involves construction of an industrial building and parking lot on a currently undeveloped site creating 1.4± acres of impervious area. The site is also known as Lots 3 and 4 of the Roberts Addition.
2. Runoff from impervious surfaces will be routed to a new detention pond located at the southwest corner of the site. The pond is designed to include runoff from 1.43 acres of Lot 5 (southwest of the site) under developed conditions. It is unclear if this pond provides rate control and water quality treatment in accordance with District standards.
3. NWI maps do not indicate the presence of wetlands on site. ^{Type 1 (PEM1A) wetland} The Grading Plan indicates 4,154 cubic feet of fill ^{fill} in a wetland (unknown type) to be placed as a result of this project. Anoka County's de minimus exemption is 5,000 square feet for Type I, II, VI, and VII wetland fill, and no mitigation is required.
4. The 100-year flood elevation for A/R JD 1, Branch 2, under the northbound access road from I-35W is 905.7 (1998 RCWD Calibration Study). The on-site pond's high water level is 906.15. The proposed first floor elevation is 912.2, satisfying the District's 2-foot freeboard requirement.
5. A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site and off-site wetlands, ponds, and other hydrologic features will be required.
6. Permit 93-129 was for a project to the south of this site.

A wetland delineation report has been submitted. Approximately

Board Action:

3/20/98
CEA

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

1. Preliminary plat or legal document granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features.
2. *Repair of existing baffled weir (with detail).*
3. ~~2.~~ Cash surety in the amount of \$1,000.

Location: 8400 Coral Sea Street, Mounds View.

T-R-S: 30-23-5 baad

Purpose: Approval of a Final Site Drainage Plan for an office warehouse building addition, 2.7± acres.

- Exhibits:**
1. Permit Application, dated March 12, 1998, received March 12, 1998.
 2. Grading and Erosion Control Plan prepared by Roger A. Anderson and Associates, Inc., last revised March 4, 1998, received March 12, 1998.
 3. Utility and Paving Plan prepared by Roger A. Anderson and Associates, Inc., dated March 4, 1998, received March 12, 1998.
 4. RCWD Permit Files 97-19, 95-89, and CSMP 87C02.

- Findings:**
1. Project involves construction of an office warehouse building addition on a currently undeveloped lot. This site is located within Lot 2 of the North Star Industrial Park 2nd Addition, which was planned for under RCWD-approved CSMP 87C02. Phase I of this building was constructed on Lot 3 under RCWD Permit 95-89. Runoff from approximately 75% of the site will be routed through storm sewer to an existing stormwater detention pond created under Permit 95-89. This pond provides rate control and water quality treatment in accordance with District standards. Ponding system outlets to Anoka-Ramsey Judicial Ditch 1. Runoff from the remainder of the site discharges to the Coral Sea Street storm sewer.
 2. An Erosion Control Plan has been submitted specifying silt fence downstream of all graded areas, riprap at storm sewer outfalls, an implementation schedule, and revegetation specifications.

3/20/98

CEA

Permit Application No. 98-23:

Bridges Leasing Company, LLC

3. NWI maps indicate the presence of a Type III/VI (PEM/SS1Cd) wetland on site. This wetland was delineated under Permit 95-89 and will not be impacted as a result of this project.
4. Permit 95-89 specifies a flood elevation of 902.0 for the on-site detention pond and floodplain. The proposed first floor elevation of the building addition is 908.5, satisfying the District's 2-foot freeboard requirements.
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. Permit 97-19 was for construction of an office and warehouse facility on Lot 1 of the North Star Industrial Park 2nd Addition.

Board Action:

3/20/98
CEA

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

1. Revised Grading Plan specifying a benched swale with detail downslope of new impervious surfaces.
2. Revised Erosion Control Plan specifying bale checks every 150 feet within swale.
3. Cash surety in the amount of \$2,000.

Location: 16319 Kettle River Boulevard, Columbus Township.

T-R-S: 32-22-14 acb

Purpose: Approval of a Final Site Drainage Plan for a fire station and gravel driveway riparian to Howard Lake, 9.0± acres.

- Exhibits:**
1. Permit Application, dated March 12, 1998, received March 12, 1998.
 2. Grading and Sediment Erosion Control Plan prepared by McCombs Frank Roos Associates, Inc., dated March 12, 1998, received March 12, 1998.
 3. RCWD Project Review File 93R09 and RCWD Permit File 93-94.

- Findings:**
1. Project involves construction of a fire hall and gravel driveway on a partially developed site. Approximately 0.22 acres of impervious area and 0.49 acres of gravel surface will be created.
 2. Runoff from this site is overland 650± feet to Anoka County Ditch 31 which flows into Howard Lake, more than 200 feet south of the site. Due to the small development scope and absence of point discharges, infiltration opportunities will be provided through placement of a benched swale (with detail) downslope of all new impervious and graveled surfaces. The swale would catch the first flush of runoff prior to discharging directly to Howard Lake and Anoka CD 31.
 3. An Erosion Control Plan has been submitted specifying silt fence downslope of all graded areas, an implementation schedule, and revegetation specifications.

3/20/98

CEA

Permit Application No. 98-24:

Greystone Construction Company

4. No wetland impacts will result from this project.
5. The 100-year flood elevation for Howard Lake is 889.6 (1998 RCWD Calibration Study). The proposed first floor elevation of the fire hall is 909.0, satisfying the District's 2-foot freeboard requirement.
6. RCWD Project Review File 93R09 and RCWD Permit File 93-94 were reviewed for a building constructed south of the site.

Board Action:

3/20/98
CEA

E

Recommendation: Table pending receipt of:

1. Existing and proposed subwatershed boundaries.
2. Routing calculations for proposed ponds and pond stage-storage curves.
3. Revised Erosion Control Plan specifying silt fence around proposed ponds and downslope of all wetlands, riprap at storm sewer outfalls, and bale checks in the ditch at the southeast corner of the site.
4. Specification of wetland fill by basin and type.
5. Field verification by District staff of wetland boundaries.
6. Wetland Replacement Plan application and further justification as to why wetland fill cannot be avoided or minimized.
7. Detailed Grading Plan for proposed wetland replacement site showing plan and profile views and specification of native seed mix for revegetation.
8. Determination of on-site pond high water levels.
9. Review of first floor elevations following pond high water level determinations.
10. Outlet control structure detail (with skimmer).
11. Copy of MPCA NPDES permit application.
12. 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.
13. Cash surety in an amount to be determined.

Stipulations: 1. The replacement wetland approved as part of this permit shall be constructed concurrent or prior to any wetland fill activity.

3/20/98
CEA

Permit Application No. 98-25: North Suburban Development, Inc.

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 Lake Drive and Main Street (CSAH 14), Lino Lakes.

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

Purpose: Approval of a Land Development Plan for a single and multi-family residential development to be known as Highland Meadows, 158 lots, 55± acres.

- Exhibits:
1. Permit Application, dated March 11, 1998, received March 12, 1998.
 2. Grading and Erosion Control Plan prepared by Ken Gust, P.E., dated December 18, 1997, received March 12, 1997.
 3. Preliminary plat prepared by Caine and Associates Land Surveyors, Inc., dated December 18, 1997, received March 12, 1998.
 4. Runoff calculations prepared by Ken Gust Enterprises, dated March 10, 1998, received March 12, 1998.
 5. Wetland Delineation Report prepared by Earth Science Associates, Inc., dated February 1998, received March 12, 1998.
 6. Alternatives analysis narrative prepared by Ken Gust Enterprises, dated March 10, 1998, received March 12, 1998.
 7. RCWD Permits 87-44, 81-67, 80-98, and 79-18.

3/20/98
CEA

Permit Application No. 98-25: North Suburban Development, Inc.

- Findings:
1. Project involves construction of a single family residential development on a currently undeveloped site to be known as Highland Meadows. The development will consist of 106 single family residential and 52 multi-family units. Approximately 6,000 feet of roadway (unnamed) will be constructed to serve the development.
 2. All roadway runoff will be routed to three new on-site detention ponds. It is unclear if these ponds provide rate control and water quality treatment in accordance with District standards.
 3. NWI maps indicate the presence of Type II and V wetlands on site. The Wetland Delineation Report indicates the presence of Type II and VII wetlands on site. However, this report was completed during the winter and further review may be necessary. Wetland fill is proposed but has not been specified by basin and type. A sequencing narrative has been received but further justification as to why wetland fill cannot be avoided or minimized should be provided. A Wetland Replacement Plan application will also be required.
 4. An Erosion Control Plan has been submitted specifying silt fence downslope of graded areas. A revised Erosion Control Plan will be required specifying silt fence around proposed ponds and wetlands, riprap at all storm sewer outfalls, and bale checks in the ditch at the southeast corner of the site.
 5. The 100-year flood elevation at a culvert under I-35W is 886.9 (1998 Calibration Study). Proposed first floor elevations will be reviewed after determination of pond high water levels.
 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 has not been submitted and will be required.
 7. RCWD Permit 87-44 was reviewed for Twilight Acres located immediately east of the site. Permit Files 81-67, 80-98, and 79-18 were for Carroll's Estates located immediately south of the site.

Board Action:

3/20/98
CEA

Recommendation: Table pending receipt of:

1. Wetland Delineation Report.
2. Field verification by District staff of wetland boundaries.
3. Revised Erosion Control Plan specifying silt fence downslope of all graded areas and riprap at all storm sewer outfalls and bale checks at storm sewer inlets.
4. Storm sewer on Grading Plan.
5. Pretreatment for parking lot runoff prior to discharging to wetland.
6. Specification of dead storage volume provided in swales adjacent to new dormitory.
7. Rate control provisions for proposed dormitory and adjacent parking.
8. Incorporation of swales near the Fine Arts Building additions for conveyance of increased runoff.
9. Specification on Grading Plan of first floor elevation for proposed dormitory and proposed Fine Arts Building additions.
10. Cash surety in an amount to be determined.

Location: 3900 Bethel Drive, Arden Hills.

T-R-S: 30-23-27

Purpose: Approval of a Final Site Drainage Plan for a dormitory, additions to the Fine Arts Building, and parking areas, 165± acres.

- Exhibits:**
1. Permit Application, dated March 12, 1998, received March 12, 1998.
 2. RCWD Permit Application prepared by Stanley Consultants, dated March 1998, received March 12, 1998.

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CEA

Permit Application No. 98-26: Bethel College

3. Proposed Site Plan prepared by Stanley Consultants, undated, received March 12, 1998.
4. RCWD Permit Files 94-207, 94-129, 93-163, 92-117, and CSMP File 81C04.

Findings:

1. Project involves construction of a new dormitory, parking lot, and additions to the Fine Arts Building at Bethel College riparian to Valentine Lake. Total new impervious surface is 1.2± acres.
2. Runoff from the proposed dormitory will be routed through swales east and west of the building which discharge into twin 72-inch storm sewers flowing to Valentine Lake. The amount of dead storage provided in these swales has not been quantified.

Runoff from the new western parking lot will be routed through a catchbasin with an oil skimmer and will discharge to a wetland just northeast of the parking lot. Full pretreatment prior to discharging to wetland will be required.

Runoff from the southern building addition to the Fine Arts Building will flow through storm sewer to the twin 72-inch storm sewers discharging to Valentine Lake.

Runoff from the northern building addition to the Fine Arts Building is routed through a storm sewer at the northwest on the building which discharge to Valentine Lake. Use of grassed swales to convey stormwater should be investigated for infiltration.

3. An Erosion Control Plan has been submitted specifying revegetation specifications and an implementation schedule. Some riprap is noted at storm sewer outfalls. Placement of all silt fence and riprap needs to be noted on the Grading Plan.
4. A Wetland Delineation Report has not been submitted but it is unclear if any wetland impacts will result from this project.

3/20/98
CEA

Permit Application No. 98-26: Bethel College

5. The 100-year flood elevation for Valentine Lake is 880.6 (1998 RCWD Calibration Study). Applicant indicates that the hydraulic resulting from flow through the 72-inch twin storm sewers is 887.5. The proposed first floor elevation of the dormitory is 890.6. First floor elevations of the Fine Arts Building additions have not been specified. All proposed first floor elevations will need to be noted on the Grading Plan.
6. RCWD Permit Files 94-207, 94-129, 93-163, and 93-107 were for various projects on the Bethel College campus. CSMP File 81C04 was developed for the entire Bethel College campus.

Board Action:

3/20/98
CEA

Recommendation: Table pending receipt of:

1. Permit Application signed by Successful Bidder.
2. Incorporation of volume controls (with supporting calculations).
3. Clear delineation of area of benefit (tributary area).
4. Outlet control structure detail (with skimmers).
5. Erosion Control Plan (if grading is proposed).
6. Preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain (to elevation 932.7), and other hydrologic features.
7. Narrative addressing impacts to wetlands, including functions and values assessment.
8. Cash surety in an amount to be determined.

Stipulation: Developing properties must provide on-site water quality treatment ponding upon development.

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.

- 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, dated March 12, 1998, received March 12, 1998.

Permit Application No. 98-27: Successful Bidder, City of Hugo
(To be Selected)

- 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.
 2. Rate control will be provided by installing a 21-inch RCP with an invert elevation of 930.0 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 16 cfs for fully developed conditions which does not exceed discharge rates (unobstructed flow).

Pretreatment ponding to RCWD standards prior to stormwater discharge to the wetland will be required.
 3. Runoff calculations specify a high water elevation of 932.7 for the proposed regional stormwater pond wetland. Proposed first floor elevations for any development in this area will need to be at least 934.7 to satisfy the District's 2-foot freeboard requirement.
 4. An Erosion Control Plan will be required specifying silt fence downslope of all graded areas, implementation schedule, and revegetation specifications if grading is proposed.
 5. A preliminary plat or legal document with satisfactory form and description granting ponding and flowage easements over all on-site wetlands, ponds, floodplain (to elevation 932.7), and other hydrologic features will be required.

Board Action:

3/20/98
CEA

E

Recommendation: Table pending receipt of:

1. Existing and proposed subwatershed boundaries.
2. Pond stage-storage curves and outlet control structure details (with skimmers).
3. Review of first floor elevations following final grading plan in light of proposed CSMP (Permit 98-27).
4. Revised Erosion Control Plan specifying riprap at all storm sewer outfalls, revegetation specifications, and an implementation schedule.
5. Revised Preliminary Plat granting ponding and flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features.
6. Incorporation of volume controls (with supporting calculations).
7. Copy of MPCA NPDES permit application.
- 9.8. Fulfillment of WCA 30-day public comment period.
- 10.9. Approval of RCWD Permit 98-27.
- 11.10. Cash surety in the amount of \$7,500.

8. Corrected Wetland Replacement Plan Application and details on "no-impact alternative."

- 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.

3/20/98
CEA

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

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

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

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., dated March 11, 1998, received March 12, 1998.
 3. Preliminary Plat prepared by Ulteig Engineers, Inc., dated March 12, 1998, received March 12, 1998.
 4. Storm Sewer and Utility Plan prepared by Ulteig Engineers, Inc., dated March 11, 1998, received March 12, 1998.
 5. Wetland Delineation Report prepared by Dave Banta Consulting, dated July 5, 1996, received March 12, 1998.
 6. Runoff calculations prepared by Ulteig Engineers, Inc., dated December 18, 1997, received March 12, 1998.
 7. Project narrative prepared by Ulteig Engineers, Inc., dated March 12, 1998, received March 12, 1998.
 8. Wetland Replacement Plan Application prepared by Ulteig Engineers, Inc., dated March 12, 1998, received March 12, 1998.
 9. Wetland sequencing narrative prepared by Ulteig Engineers, Inc., dated March 12, 1998, received March 12, 1998.

- 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. It is unclear if these ponds provide rate control and water quality in accordance with District standards.

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.

3/20/98
CEA

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 will be required specifying riprap at all storm sewer outfalls, revegetation specifications, and implementation schedule.
4. The flood elevation for Clearwater Creek Branch 2 under Highway 61 is 923.2. The proposed detention pond flood elevations range from 925.7 to 929.9. The proposed CSMP indicates a high water level of 932.7. The minimum proposed first floor elevation is 932.0, and may need to be adjusted following CSMP approval.
5. A preliminary plat granting ponding and flowage easements over ponds A and B has been received. A revised preliminary plat with satisfactory form and description will be required granting ponding flowage easements over all on-site wetlands, ponds, floodplain, and other hydrologic features.

Board Action:

3/20/98
CEA

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

- ① Incorporation of additional infiltration efforts within depressed area
1. ~~Board discussion of whether variance is required (see finding number 3).~~
 2. An Erosion Control Plan specifying silt fence downslope of all graded area, riprap at curb cuts, and bale checks around catchbasins.
 3. Specification of building first floor elevation of at least 928.7.
 4. Cash surety in the amount of \$1,000.

Location: 4561 Lake Avenue, White Bear Lake.

T-R-S: 30-22-14 dccc

Purpose: Approval of a Final Site Drainage Plan for a building and parking addition, 0.46± acres.

- Exhibits:
1. Permit Application, dated March 11, 1998, received March 13, 1998.
 2. Site Plan prepared by Advanced Surveying and Engineering Company, dated December 17, 1997, received March 12, 1998.
 3. RCWD Permit Files 96-114 and 91-14.

- Findings:
1. Project involves construction of a 1,500-foot building addition to an existing commercial garage. The site is located 300± feet northwest of White Bear Lake.
 2. Runoff from the site will flow across existing parking areas through curb cuts into a depressed storage area located at the southwest corner of the site. The depressed area is approximately 1,500 square feet. From this area, water discharges into two catchbasins that are part of the Lake Avenue and Highway 61 storm sewer system and flow to White Bear Lake.

3/20/98
CEA

Permit Application No. 98-29: Lin Lindbeck

3. Full water quality ponding for the 2.5-inch rainfall has not been provided; however, some treatment will be provided in the depressed green space. The only new impervious area is being added at the furthest upstream site corner and existing site layout limits ponding opportunities. Board discussion of whether a variance for water quality treatment for redeveloping portions of the site is necessary.
4. An Erosion Control Plan has not been submitted and will be required specifying silt fence downslope of all graded areas and riprap at curb cuts.
5. The flood elevation for White Bear Lake is 926.7. The proposed first floor elevation has not been specified and will need to be at least 928.7 to satisfy the District's 2-foot freeboard requirement.
6. RCWD Permit Files 96-114 and 91-14 were projects located at 4441 and 4570 Lake Avenue in White Bear Lake.

Board Action:

3/20/98
CEA