

# Capitol Region Watershed District



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**Regular Meeting Minutes** of the Capitol Region Watershed District (CRWD) Board of Managers, for **Wednesday, September 15, 2010, 6:00 p.m.** at the office of the CRWD, 1410 Energy Park Drive, Suite 4, St. Paul, MN 55108.

**I. Called to Order at 6:00 p.m.** (President, Bob Piram)

**A) Attendance**

Robert Piram  
Joe Collins  
Seitu Jones (Absent w/notice)  
Mike Thienes  
Marylyn Deneen

**Others Present**

Mark Doneux, CRWD  
Bob Fossum, CRWD  
Anna Eleria, CRWD  
Dawn Nelson, CRWD  
Elizabeth Beckman, CRWD  
Forrest Kelley, CRWD

Todd Shoemaker  
Wenck & Associates  
Meghan & Quinn Manhatton,  
Stewardship Grant Applicant

**B) Review, Amendments and Approval of the Agenda**

Manager Piram asked for additions or changes to the Agenda. Administrator Doneux added Action Item V. I) Approval of the Downspout Program, Unfinished Business D) Crosby Lake Update and Unfinished Business E) Fire Station open house.

*The Board adopted the Agenda as amended by consensus.*

**II. Public Comment – For items not on the Agenda.**

There were no public comments.

**III. Permit Applications**

**A) Permit #10-028 Ramsey County Crisis Center (Kelley)**

Forrest Kelley reviewed CRWD Permit # 10-028 Ramsey County Crisis Center. The applicant is Ramsey County and the Engineer is Pierce Pini and Associates. The project is site demolition and reconstruction of a new behavioral health center. Mr. Kelley noted that the location is on University Avenue and Olive Street. Mr. Kelley said the applicable rules are Stormwater Management (Rule C), Flood Control (Rule D) and Erosion Control (Rule F). Mr. Kelley said this project has 1.5 acres of disturbed area, 1.31 acres of proposed impervious surface and the stormwater management will include two underground infiltration practices. The staff recommendation is to approve the permit with two conditions.

**Motion 10-09-16:** *To approve permit #10-028 Ramsey County Crisis Center subject to the following two conditions:*

1. *Receipt of signed maintenance agreement.*
2. *Provide a detail that specifies geotextile fabric shall be placed on top and sides, but not the bottom of the infiltration basins.*

Deneen/Collins  
Unanimously Approved

**Motion 10-09-17:** *To approve the deposit of 1,193 cubic feet of volume reduction credits to Ramsey County.*

Deneen/Collins  
Unanimously Approved

**B) Permit #10-029 I-94 and Hwy 280 (Kelley)**

Forrest Kelley reviewed CRWD Permit #10-029 I-94 and Hwy 280. The applicant is Mn/DOT and the project is lane management along Interstate 94 from Highway 280 west to Nicollet Avenue in Minneapolis. Mr. Kelley said the applicable rules are Stormwater Management (Rule C), Erosion Control (Rule F) and Flood Control Management (Rule D). Mr. Kelley said this project has 8.11 acres of disturbed area, 2.7 acres of proposed impervious surface and the proposed stormwater management will include infiltration and filtration swales and basins. The staff recommendation is to table the permit with 5 conditions.

**Motion 10-09-18:** *Table permit #10-029 I-94 and Hwy 280 with the following five conditions.*

1. *Provide plans signed by a professional engineer per the Minnesota Board of AELSLAGID.*
2. *Show location(s) of permanent ditch blocks. Erosion Control Plan legend and Drainage Detail sheets indicate permanent ditch blocks but none are shown on the Erosion Control Plan.*
3. *Clearly correlate the project plans with the HydroCAD model. The sheet "Pond D1, D2 Contours" is not legible to verify the HydroCAD model and retention volume provided.*
4. *Revise Superelevation and Drainage Plan sheets or HydroCAD model to correspond:*
  - a. *Structure 53860 is listed in HydroCAD but not shown on sheets 16 and 17 of 20.*
  - b. *Structure 52400 is listed in HydroCAD but not shown on sheets 16 and 17 of 20.*
5. *Provide scaled drainage area maps for existing and proposed conditions and include roads, buildings, contours, utilities, etc. for reference.*

Thienes/Collins

Unanimously Approved

**C) Permit Program/Rules Update (Kelley)**

Mr. Kelley said there are no new permits for the October 6<sup>th</sup> Board meeting. Mr. Kelley said Permit #10-029 I94 and Hwy 280 will return.

**IV. Special Reports**

**Affects on the August 10<sup>th</sup> – 11<sup>th</sup>, 2010 Storm Event (Fossum)**

Bob Fossum provided a report on the affects of the August 10<sup>th</sup> and 11<sup>th</sup> storm. Mr. Fossum said provided date on the precipitation, runoff and the impact to District resources and property. Mr. Fossum said the St. Paul campus Climate Observatory saw 4.29 inches, with 2.97 inches falling in just one hour between 9:45pm and 10:45pm. The data included 1.05 inches that fell in just 15 minutes. Mr. Fossum noted that a sensor at St Anthony was ripped out due to high flows; data collection for the peak of the storm event was most likely missed.

Mr. Fossum said the Arlington Pascal raingardens all drained within 24 hours of the storm, the crest gauge data indicates that 4 of the 8 gardens were completely full of water. There was some overflow to the infiltration trenches. The preliminary data indicated no outflow from the system at the Arlington-Hamline Facility. The Como Park Golf Course Pond has the highest water levels observed since the pond was constructed.

Mr. Fossum said Gottfried's Pit caused flooding on Larpenteur Ave. The flood did impact the adjacent private property. Mr. Fossum said the system was fully operational, with existing/old pumps and there was no damage to contractor equipment.

Mr. Fossum said the Villa Park Wetland System had significant flow through the system, there was significant channelization. There were uprooted cattails, other vegetation, and debris clogging wood weirs. There were damaged wood weirs and path erosion. Mr. Fossum noted that gullies were forming on the side slopes.

## **McCarron's Shoreline Restoration Program Update (Eleria)**

Ms. Eleria said provided the Board an update on the Lake McCarrons Shoreline Restoration Program. Since 2004, thirteen properties along Lake McCarrons in Roseville have restored their shoreline to prevent erosion, protect water quality and provide wildlife habitat. With the exception of one project, CRWD and MN Board of Water and Soil Resources have provided cost-share grants of 25% and 50%, respectively. Over 20% of the shoreline has been restored (1,600 linear feet out of 7,200 linear feet) with most of the projects occurring on the west side of the lake. A total of 7 shoreline restoration projects were completed in 2009 with the largest restoration project of nearly 600 linear feet on the Sanders property located on the south side of Lake McCarrons. In 2010, nearly 150 feet of shoreline was restored on the Dahlberg and Vaughan properties.

Ms. Eleria presented 2009 and 2010 photographs of several projects to show the successful establishment of these shorelines as well as photographs of the new 2010 projects. The Board thanked Ms. Eleria for her presentation.

## **V. Action Items**

### **Consent Agenda**

Manager Piram asked for a motion to approve the September 15, 2010 consent agenda as presented.

### **Motion 10-09-19:**

**A) Approve Minutes of the August 18, 2010 Regular Meeting (Nelson)**

**B) Approve Accounts Payables for \$189,157.63 and the Accounts Receivable for \$6,603.53 for the month of August 2010 and direct Board President and Treasurer to endorse and disperse checks for payment.**

**C) Approve Nelson Stewardship Grant with reimbursement funding not to exceed \$550 subject to the following conditions:**

- 1. CRWD and Karen Nelson must approve and enter into a Cooperative Agreement;*
- 2. Any changes to project plans must be approved by CRWD; and*
- 3. All conditions must be met and the project completed within one year after project approval.*

**D) Approve Arnold Stewardship Grant with reimbursement funding not to exceed \$100 subject to the following conditions:**

- 1. CRWD and Robert Arnold must approve and enter into a Cooperative Agreement;*
- 2. Any changes to project plans must be approved by CRWD; and*
- 3. All conditions must be met and the project completed within one year after project approval.*

**E) Approve Nessa Stewardship Grant with reimbursement funding not to exceed \$650 subject to the following conditions:**

- 1. CRWD and Paula and James Nessa must approve and enter into a Cooperative Agreement;*
- 2. Any changes to project plans must be approved by CRWD; and*
- 3. All conditions must be met and the project completed within one year after project approval.*

Thienes/Collins

Unanimously approved

## **Discussion**

**F) Manhattan and Jones Stewardship Grant (Eleria)**

Ms. Eleria said the District has received a Stewardship Grant application from Meghan Manhattan and Andy Jones for a rain garden on their property located at 1011 Hubbard Avenue in Saint Paul. Ms. Eleria explained that Ms. Manhattan and Mr. Jones are proposing to construct a 100-square foot raingarden in their front yard which will capture 1,200 square feet of runoff from half of their rooftop and most of their very lengthy driveway. The rain garden will infiltrate nearly 100 cubic feet of runoff during a one-inch storm. Ms. Eleria noted that this project is unique because of its treatment of driveway runoff, which in comparison to previously funded raingarden projects, treat roof runoff only. A trench grate will need to be installed to

collect approximately 75% the driveway stormwater runoff. The estimated cost for the materials and installation of the trench grate is \$1800. Ms. Eleria said staff recommends approval of funding for the Manhattan and Jones project not to exceed \$1300.

**Motion 10-09-20: Approve the Manhattan and Jones Stewardship Grant with reimbursement funding not to exceed \$1,300 subject to the following conditions:**

1. *CRWD and Meghan Manhattan and Andy Jones must approve and enter into a Cooperative Agreement;*
2. *Any changes to project plans must be approved by CRWD; and*
3. *All conditions must be met and the project completed within one year after project approval.*

Thienes/Deneen

Unanimously approved

**G) Approve GreenCorps Agreement (Beckman)**

Ms. Beckman said the Minnesota Pollution Control Agency (MPCA) administrates the Minnesota GreenCorps program, which places AmeriCorps members with organizations to serve for a year addressing critical environmental issues while gaining valuable job skills. AmeriCorps is a national service program funded by the U.S. Congress through the Corporation for National and Community Service. Americorps members receive a living allowance, health insurance, and an educational stipend after successfully completing a year of service. Ms. Beckman said CRWD was selected by the MPCA in August to serve as GreenCorps host site, with its application rated in the top five of more than sixty applications statewide. CRWD staff is currently developing a workplan for the member who will begin service on Monday, September 27, 2010. The member will implement several projects that are part of the Education Plan, promoting practices among homeowners and contractors that reduce polluted runoff. The member will also assist CRWD Monitoring and BMP Maintenance staff and complete two research projects guided by CRWD staff. The member will serve full time through the end of August 2011. Cost to CRWD includes supervision equal to 0.05 FTE (less than two hours per week), and equipment and supplies for the GreenCorps member. This contribution equals approximately \$4,500.00 in in-kind costs. Ms. Beckman districted a summary of projects the member will be working on.

**Motion 10-09-21: Authorize Board President to enter into an agreement with the Minnesota Pollution Control Agency to serve as host for a 2010-2011 GreenCorps Member subject to the review and approval of the Ramsey County Attorney.**

Thienes/Collins

Unanimously approved

**H) Approve Comment Letter regarding Humboldt Environmental School (Doneux)**

Administrator Doneux said in June 2010 the District was approached by a group of citizens who are advocates for green roofs. Administrator Doneux noted that there has been discussion of adding a green roof to Humboldt High School which is not in the CRWD boundaries. The Citizens are also interested in aligning their boundaries with a Watershed District and they have submitted a proposal for the Boards review to both Capitol Region Watershed District and Ramsey Washington Metro Watershed District. Administrator Doneux reviewed a comment letter discussing the advantages and disadvantages of the Humboldt Area sub-watershed being managed by the Capitol Region Watershed District. Manager Collins suggested adding a paragraph giving Mr. Blees some direction regarding the formation and boundary change requirements for watershed districts. Discussion occurred.

**Motion 10-09-22: Approve comment letter to Greg Blees.**

Thienes/Collins

Unanimously approved

**I) Authorize Gutter Contractor Agreements (Beckman)**

Ms. Beckman said in spring 2010, CRWD staff requested the technical assistance of Conservation Corps of Minnesota for the Stop the Rain Drain program. In June, Conservation Corps agreed to complete downspout redirection work for homeowners in September 2010. At the August 4, 2010 meeting, CRWD Board authorized the Board President to enter into an agreement with the Conservation Corps of Minnesota to complete Stop the Rain Drain work for 12 crew days, an amount not to exceed \$8,695.00. Ms. Beckman said on Thursday, September 9<sup>th</sup> after six months of discussion and three months of planning, Conservation Corps of Minnesota withdrew their participation in Stop the Rain Drain. The new proposed approach is to use a number of private, local gutter contractors to complete the redirection work. Staff has thus far requested four proposals from private contractors, received one, and will continue to seek proposals. Staff anticipates a possible 20% increased per garage cost to implement the program, depending on the number of participants and the level of complexity of individual projects. Staff also anticipates a lower than projected participation rate, which will result in a lower overall project cost for fall 2010.

**Motion 10-09-23:** Authorize District Administrator to enter into agreement with up to three gutter contractors, with each agreement not to exceed \$3,000.00.

Thienes/Collins

Unanimously approved

**VI. Unfinished Business**

**A) Gottfried's Pit Update (Fossum)**

Mr. Fossum said the project is hindered until the control panel is delivered in mid-October.

**B) William's Street Pond Improvement Update (Fossum)**

Mr. Fossum said there is no update.

**C) Subwatershed Studies (Fossum)**

Mr. Fossum said on July 27, 2010, District staff met with City staff to discuss upcoming partnership opportunities. At the meeting City staff requested that the District complete subwatershed studies to help inform BMP placement decisions within the RSVP projects for 2011. City of St. Paul Councilmember Russ Stark (Ward 4) has indicated a desire to do enhanced stormwater management within the Residential Street Vitality Projects (RSVP) in 2011 within his ward. On August 4, 2010 the Manager's approved two subwatershed studies that included the 2011 RSVP project areas. The District, in cooperation with City of St. Paul staff has begun the subwatershed studies for 2010 in the Saint Anthony Hill and Mississippi River Blvd. Subwatersheds. An initial subwatershed study work group meeting was held on September 2, 2010. Mr. Fossum reviewed the work completed on the study with the Board.

**D) Crosby Lake Management Plan Update (Eleria)**

Ms. Eleria reminded the Board that the Crosby Lake Management Plan Kick-off meeting is Wednesday, September 29<sup>th</sup> 7:00 - 8:30 PM at Highland Park Senior High School, Choir Room. Managers Piram and Collins said they would both attend the meeting.

**E) St. Paul Fire Department Headquarters and Fire Station #1 Grand Opening**

The Fire Station Green Roof and Grand Opening was Friday, September, 10<sup>th</sup>. Manager Deneen said it was wonderful.

**VII. General Information**

**A) Administrator's Report**

Administrator Doneux gave the Administrators Report and noted the following events and announcements:

- 1) Ted McCaslin was appointed co-chair at the September CAC meeting.

- 2) The Clean Water and Climate Adaptation Summit will be held on Thursday and Friday, September 16<sup>th</sup> and 17<sup>th</sup> at the MN Landscape Arboretum.
- 3) Peter Brumm was hired as the new Seasonal Water Resource Technician. Peter has a Bachelors degree in Resource Conservation from the University of Montana. Peter has previous work experience as an Environmental Engineering Aide for Ramsey County, Hydrologic Technician Crew Leader for the US Forest Service and a Biological Monitoring Intern for the MPCA. Peter started on September 13<sup>th</sup>.
- 4) Britta Suppes has accepted the position of Water Resource Technician. This position is Carrie Robertson's previous position. Britta has a Bachelors degree in Geography-Comprehensive from the University of Wisconsin and a Masters degree in Forest Hydrology and Watershed Management from the University of Minnesota. Britta will start on September 20<sup>th</sup>.
- 5) GreenCorps member, Kathleen McCarthy begins September 27<sup>th</sup>.
- 6) Crosby Lake Management Plan Kick-off meeting is Wednesday, September 29<sup>th</sup> 7:00 - 8:30 PM at Highland Park Senior High School, Choir Room.

**VIII. Meeting Agenda Review**

**Wednesday, October 6, 2010 – Regular Meeting Agenda Review**

**IX. Adjournment – 7:27 p.m. adjourned by consensus.**

Respectfully submitted,

Dawn Nelson