

**Fountain Creek Watershed, Flood Control and Greenway District  
Citizens Advisory Group**

**Meeting Minutes  
July 14, 2017**

The meeting was held at:  
City of Fountain, City Hall  
116 S. Main Street, 2nd Floor  
Fountain, CO

**1. Call to Order, Establish Quorum and Introductions**

The July 14, 2017 meeting of the Fountain Creek Watershed, Flood Control and Greenway District (FCWD) Citizens Advisory Group (CAG) was called to order by Ms. Irene Kornelly, Chair, at 9:35 a.m. Preliminary activities commenced until a full quorum was reached. The following CAG members were in attendance:

Irene Kornelly – Chair and CAG Representative to the FCWD Governing Board  
Ian Hartley – Vice Chair  
Mary Barber – Alternate Representative to the FCWD Governing Board and Web Manager  
Jack Wallick – CAG Secretary  
Allison Plute  
Ross Vincent  
Brandy Williams

**CAG Members not present:**

Sherie Caffey  
Dana Nordstrom  
Tom Ready  
Amber Shanklin  
David Woolley

**Also in attendance:**

Dan Bare – Matrix Design Group  
Terry Hart - Pueblo County Commissioner and FCWD Board Member  
Christine Lowenberg – Executive Director, Greenway Fund  
Larry Small, Executive Director, FCWD

**2. Approve Agenda of Meeting July 14, 2017**

**Upon motion duly made, seconded and unanimously carried, the July 14, 2017 Agenda was approved.**

**3. Approve Minutes of June 9, 2017 Meeting**

**Upon motion duly made, seconded and unanimously carried, the corrected June 9, 2017 Minutes were approved.**

**4. Presentation. Design Criteria Manual, Dan Bare, Matrix Design Group.** Dan spoke about the production and contents of the DCM. Dan was involved in the developing of the Colorado Springs DCM. The document is an engineering reference intended for use by engineers in the planning, design, and construction drainage-related improvements, as well as bridge crossings and similar projects.

- The project began when Matrix received an RFP from the TAC in July of 2016, and they began assembling the team that produced the District’s Design Criteria Manual. That team consisted of Matrix Design Group, THK Associates, and Wright Water Engineers.
- The goals were to establish standards for District projects, as a basis for comments on other agency referrals, as a reference for other jurisdictions in establishing their own criteria, and to expand the City of Colorado Springs manual to provide a more watershed-wide perspective. It was also a goal to provide a foundation for the future.
- The scope of the project included adapting the Colorado Springs DCM to the District’s purposes; document review; an update to certain topics including hydrology, revegetation, low impact development, and best management practices. An initial goal of establishing a floodplain policy was changed to establishing a streamside overlay to avoid overlap with Regional Building Departments own policies. The District paid \$141,300 for the work, and Colorado Springs spent \$45,000 for related work on its DCM.
- The process involved close coordination with team members and the District Executive Director (Larry Small) and monthly meetings with the TAC. Drafts were prepared, reviewed, and revised until the TAC issued its recommendation for approval.
- Volume 1 establishes the District’s role and its principles and policies, and then specifies construction methods and details. Chapters are as follows.
  - Preface
  - Ch. 1 – General Provisions
  - Ch. 2 – Principles
  - Ch. 3 – Policies
  - Ch. 4 – Submittals
  - Ch. 5 – Floodplains
  - Ch. 6 – Hydrology
  - Ch. 7 – Street Drainage
  - Ch. 8 – Inlets
  - Ch. 9 – Storm Drains
  - Ch. 10 – Conduit Outlet Structures
  - Ch. 11 – Culverts and Bridges
  - Ch. 12 – Open Channels
  - Ch. 13 – Storage
  - Ch. 14 – Revegetation
- Volume 2 focuses on water quality, which is a key component of MS-4 Stormwater Permits.
  - Preface
  - Ch. 1 – Stormwater Management and Planning
  - Ch. 2 – BMP Selection
  - Ch. 3 – Calculating Water Quality Control Volume and Runoff Reduction

- Ch. 4 – Treatment BMPs
- Ch. 5 – Source Control BMPs
- Ch. 6 – BMP of Maintenance, Inspection, and Enforcement
- Ch. 7 – Construction BMPs
- Some of the key issues or areas of revision in the District’s DCM vs. the City’s were:
  - District Authority – in corridor vs. out of corridor
  - The District’s role in the Watershed
  - Compatibility with MS4 permit requirements
  - Identified MS4 permit holders
  - Application of NOAA Atlas 14 rainfall data – adding 40 more years of data
  - Application of a new 24-hour Atlas 14 design storm parameters
  - Runoff parameters for wildland fire impacts
  - Senate Bill 15-212 guidance on water rights impacts on flood control facilities
  - State Engineer detention facility hazard review guidance
  - Incorporation of all District vegetation zones in revegetation guidance.
- Numerous potential manual enhancements were identified as part of the proposal and process. These included such topics as trail design, natural channel design, sediment transport methodology, post-fire mitigation, updating equations and techniques for a variety of streamflow characteristics, LID design parameters, and mapping the Pierre Shale to better predict areas of higher selenium concentrations.

## 5. Reports

### a. Governing Board Meeting.

- Larry Small gave a report on the June 23 2017 Board meeting.
- The Board heard the usual reports, and under Other Business Larry presented different scenarios based on the potential revenue from different levels of mill levy.
- The Water Activities Board heard a proposal from the Wells Fargo Investment Group on how the \$10,000,000 would be invested in an income-producing account. The Board approved the proposal and executed the paperwork to move the money into the new investment account.
- The next Board meeting will be July 28.

### b. Technical Advisory Committee Meeting.

- Brandy Williams reported on the July 5 TAC meeting.
- In addition to the usual reports, the TAC heard Dan Bare’s presentation on the DCM and recommended its adoption by the Board.
- Design and planning for the E. coli monitoring project with AFCURE is ongoing. The intent is get the information and be out in front of the State when it comes to E. coli numbers and mitigation strategies. Allison added that Utilities is planning a tour of some E. coli hot spots in the watershed. These include a serious pet waste around Palmer Lake, areas where cattle have access to the creek, and areas with septic issues. Members will be notified and asked to RSVP.
- The subcommittee tasked with developing the streamside overlay is taking a break to rest up from the effort to get the DCM itself produced and approved.
- Larry and Brandy will meet with the Planning Directors of El Paso and Pueblo Counties in October in which they will brief them on the DCM and what to expect on future projects in the corridor.

- Both Manitou Springs and Colorado Springs are developing streamside overlays for their jurisdictions, and those products will be of use when the TAC takes up that work.
- The next meeting of the TAC will be August 2.
- Terry Hart spoke to thank Brandy and the TAC for the hard work it took to bring this project to completion. He also spoke to the need for staffing as the organization moves forward and requires more than just volunteer work as the TAC has done.

**c. Outreach Group.** Allison Plute reported on the Outreach Group's activities.

- Allison reported that she has new a new manager – Water Services is now headed by Pat Welch.
- Our intern Cat Braza has been working with teenagers, distributing poop bags and doing education work. She also put out the latest Greenway Fund newsletter and has been working with kids in nature camps at Fountain Creek Nature Center.
- Just over 300 rainbarrels were sold, bringing \$2,000 in revenue.
- Brewshed activities are continuing, including the film After the Flood showing at Ivywild School in September in advance of Creek Week.
- Tezak Construction became a \$2,000 Creek Week Sponsor, Colorado Springs Forward has also stepped up with financial as well as in-kind donations, and Colorado Springs Together is also being solicited. Pikes Peak Regional Building is a new \$2,000 sponsor. CH2M is onboard; Airgas is increasing their sponsorship in response to the greater participation – they provide the gloves used by volunteers. This is the biggest clean-up in the state!
- Outreach is submitting proposals to the Arkansas Basin Round Table's Public Education/Public Outreach (PEPO) group for funding to expand Creek Week into other basins, as well as looking into tabletop watershed models for education and outreach, bookmarks publicizing sub basins in the watershed, painting stormwater murals around storm drains – as Pueblo is doing, and other ideas. Terry suggested that the website could use funding for a much-needed upgrade, a need echoed by Larry. The website can be important in generating support for a future ballot question. [1.40.20]
- Allison requested help with outreach efforts in support of Creek Week. You can help by promoting Creek Week to friends and businesses you patronize, or by making phone calls to potential sponsors. Allison has literature and call lists you can use.
- Upcoming events include a one day bioblitz at a local park, the Legacy Loop Trailhead ribbon cutting August 26, and the Brewshed Alliance will tour the Colorado Springs Utilities Water Lab on Mesa.

**d. Monetary Mitigation Fund Advisory Committee.** Irene reported that the committee is still working on the capital projects list. The thinking is that that up to five projects can be done next, three in Pueblo County and two in El Paso County. The hope is that at least two of these will happen in 2018. The group meets again July 18.

**e. Website and Facebook Page.** The website was covered during the discussion on the Arkansas Basin Round Table PEPO funds availability. The site has outgrown itself and will need a redesign when funds are available.

**6. Old Business.** Larry Small reported on current projects.

- Highway 47 Bridge Project
  - Another stakeholders meeting on the Highway 47 Bridge Project was held July

- 12.
- The design is at the 30 percent stage, and we are on track to release the RFP and get the project under contract by October, with completion by April or May of next year.
  - A preferred alignment has been selected from the three alternatives. This will move the channel to its historical location and the creek will approach the bridge parallel to the piers. Floodway culverts will also be employed.
  - About 30,000 cubic yards of fill dirt will be needed, about 20,000 cubic yards of that are on hand with CDOT and Pueblo.
  - The design calls for a four foot drop structure to reduce the slope of the creek. Current thinking is that it will be a curved structure somewhere above the bridge.
  - Larry expects the draft IGA from CDOT during the month of July.
  - Larry also gave an update on the Masciantonio Farm Project.
    - Tezak was selected as the contractor, and a value engineering meeting will be held on the 20th to determine the final contract value. The contract will then be presented to the Board for approval.
    - The work will start in September because this is not a good time to be working in the creek.
  - The Dredging Project in Pueblo will begin removing vegetation Monday.
    - They will start at the 8th Street Bridge and go south along the east bank, then move to the west bank and move north.
    - The trail will be closed for safety while the work is underway.
    - Getting the equipment across the creek may present a challenge.
    - Homeless camps also present a problem.
    - Dredging is complete, and the area is being monitored to determine the rate at which sediment re-accumulates. [2.09.50]
  - In remarks related to sediment buildup, erosion, and flood control, Terry reported that he and Larry had recently toured three flood control dams in the Denver Metro area courtesy of the City of Lakewood and the Corps of Engineers.
    - The Bear Creek Dam, the closest in function to what we would build if that flood control option were selected, is about 100 feet high and one half to three quarters of a mile wide.
    - They spent most of their time there, but also did a quick windshield tour of Chatfield and Rueter–Hess.
    - Terry commented that dams are functioning machines that are specifically designed for the needs of that watershed. If one were to be built on the Fountain it would require a unique design for our situation due to the tremendous quantity of sediment being transported, even during normal flow.

## **7. New Business. Recommendation to the District Board concerning the DCM.**

**Upon motion duly made, seconded and unanimously carried, the CAG recommended that the Board approve the Criteria Design Manual.**

**8. Public Comment.**

Mary Barber reported that Fountain Urban Renewal Authority for Gateway and Old Town will have a public comment opportunity during Community Night in the Park, September 19. This might be a good opportunity for an outreach effort. She encouraged members to visit the site [Surocode.org](http://Surocode.org) to access a survey about the I-25 Bridge, the Hwy 85 Bridge at Fountain Creek, as well as the downtown area.

**9. Next Meeting.** The next scheduled CAG meeting will be Friday August 11, 2017, at 9:30 a.m. in the Fountain City Hall, 116 W. Main.

**10. Adjourn:**

**Upon motion duly made, seconded and unanimously carried, the meeting adjourned at 10:35 a.m.**