



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

REVISED

BOARD OF DIRECTORS MEETING

Date: Monday, February 2, 2015

Time: 1:00 pm

Catered Lunch – 12:15 pm

How the District Works – 12:45 – 1:00 pm

1. **Call to Order and Pledge of Allegiance – 1:00 pm**
2. **Introductions**
 - a. Swearing in of New Board Members
 - i. Mayor Pro Tem Debi Hunter Holan (City of Aurora)
 - b. Visitors/Guests/Staff
 - c. Awards/Recognitions
3. **Roll Call – Determination of Quorum**
4. **Board of Directors Reappointment**
 - a. Reappointment of Mr. Mark Hunter to Board of Directors
(Resolution No. 01, Series of 2015)
5. **Approval of December 18, 2014 Meeting Minutes** *(If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”)*
6. **Consent Agenda** *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*
 - a. Review of Cash Disbursements
 - b. Designation of Public Place for Posting of Meeting Notices
(Resolution No. 02, Series of 2015)
 - c. Acceptance of Upper Westerly Creek Planning Study
(Resolution No. 03, Series of 2015)
 - d. Additional Authorization to Participate in Drainage and Flood Control Improvements on Westerly Creek from 17th Avenue to Montview Boulevard, City of Aurora, Adams County
(Resolution No. 04, Series of 2015)
 - e. Authorization to Participate in Drainage and Flood Control Improvements on First Creek at 104th Avenue, Commerce City, Adams County
(Resolution No. 05, Series of 2015)
 - f. Authorization to Participate in Drainage and Flood Control Improvements on Coal Creek from County Line Road to Kenosha Road, Town of Erie, Boulder County
(Resolution No. 06, Series of 2015)
 - g. Additional Authorization to Participate in Drainage and Flood Control Improvements on Coal Creek Upstream of McCaslin Boulevard, Town of Superior, Boulder County
(Resolution No. 07, Series of 2015)
 - h. Additional Authorization to Participate in Drainage and Flood Control Improvements on Drainageways A, A-2, 7, and 7-2, City of Louisville and City of Lafayette, Boulder County
(Resolution No. 08, Series of 2015)
7. **Vote on Approval of the Consent Agenda** *(Motion and roll call vote required)*
8. **Reports/Discussion**
 - a. Executive Director’s Report

9. Other Business

10. Announcements

- a. Next Regularly Scheduled Meeting: **Thursday, March 19, 2015**

11. Adjournment



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT BOARD OF DIRECTORS

December 18, 2014

MINUTES

Members Present:

Herb Atchison, Mayor, City of Westminster
Bruce Beckman, Mayor Pro Tem, City of Littleton
Joyce Downing, Mayor, City of Northglenn
Faye Griffin, Commissioner, Jefferson County
Mark Hunter, Engineer
Paul Lopez, Council Member, City/County of Denver
Ken Lucas, Mayor Pro Tem, City of Centennial
Mark McGoff, Mayor Pro Tem, City of Arvada
Bonnie McNulty, Mayor, City of Edgewater
Bob Murphy, Mayor, City of Lakewood
Bob Roth, Mayor Pro Tem, City of Aurora
Dave Sellards, Engineer
Nancy Sharpe, Commissioner, Arapahoe County
Charles (Chaz) Tedesco, Commissioner, Adams County
Heidi Williams, Mayor, City of Thornton

Members Absent:

Deb Gardner, Commissioner, Boulder County
George Karakehian, Mayor Pro Tem, City of Boulder
Cary Kennedy, Deputy Mayor, City of Centennial
Peggy Lehmann, Council Member, City/County of Denver
Jill Repella, Commissioner, Douglas County
Greg Stokes, Mayor Pro Tem, City/County of Broomfield
Mary Beth Susman, Council Member, City/County of Denver

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Julia Bailey	Project Engineer, Information Services & Flood Warning
David Bennetts	Program Manager, Design, Construction, and Maintenance
Richard Borchardt	Project Manager, Design, Construction, and Maintenance
Barbara Chongtoua	Project Manager, Design, Construction, and Maintenance
Joanna Czarnecka	Construction Manager, Floodplain Management
Amelia Deleon	Human Resources and Administrative Services Manager
Terri Fead	Project Manager, Floodplain Management
Laura Kroeger	Assistant Manager, Design, Construction, and Maintenance
David Mallory	Program Manager, Floodplain Management
Ken MacKenzie	Program Manager, Master Planning
Teresa Patterson	Project Engineer, Floodplain Management
Holly Piza	Project Manager, Master Planning
Terri Schaffer	Controller
David Skuodas	Project Manager, Design, Construction, and Maintenance
Kevin Stewart	Program Manager, Information Services & Flood Warning
Shea Thomas	Project Manager, Master Planning

Others Present:

None.

How the Districts Works – Project Funding

Mr. Hindman conducted a presentation entitled, “Why Construction Takes So Long,” for this month’s How the District Works presentation.

1. Call to Order and Pledge of Allegiance – 1:00 p.m.

Councilman Lopez called the meeting to order at 1:00 p.m.

2. Roll Call – Determination of Quorum

Roll was called and a quorum was declared present.

3. Introductions

a. Visitors/Guests/Staff

None.

b. Awards/Recognitions

Mr. Hindman introduced an article published in the 5280 magazine entitled, *A River Reborn*. The article included contributions from Mr. Dave Bennetts and Mrs. Laura Kroeger and referenced all the upcoming projects along the South Platte River, some of which include the District’s participation.

Mr. Hindman awarded the following Board Members with Perfect Attendance Plaques:

Mayor Pro Tem Bob Roth

Mayor Bonnie McNulty

Mr. Mark Hunter

4. Board Approval of November 20, 2014 Meeting Minutes

Councilman Lopez asked if there were any corrections to the November 20, 2014 minutes. Hearing none, the minutes were approved as submitted.

5. Executive Session – Executive Committee report of Director’s Annual Review

Pursuant to 24-6-402(4)(f)(1) C.R.S.)

It was moved by Council Member Lopez to go into Executive Session at 1:07 pm to review the findings of the Executive Director’s Annual Review Committee. The Executive Session concluded at 1:20 pm. Following the session, the Board accepted the committee’s recommendations regarding the Executive Director’s yearly compensation.

6. Consent Agenda

a. Review of Cash Disbursements

Cash Disbursement list, dated November and December 2014, had been distributed to the Board for review. There being no further comments or questions, it was the consensus of the Board to include approval of the Cash Disbursements on the Consent Agenda.

**b. Authorization of Expenditures for Electronic Data Management
(Resolution No. 64, Series of 2014)**

This is an on-going project that is updated regularly. More of the District’s information continues to be available electronically and this resolution will allow further enhancement to the District’s web site to increase the speed in retrieving information and allow other information to be added as it seems appropriate to the needs of the public.

The District has also recently implemented an electronic document management system (OnBase), to administer and retain electronic documents in compliance with the Districts’s records retention policy.

Resolution No. 64 authorizes \$100,000 for calendar year 2015 to further develop, enhance, and maintain capabilities to manage and disseminate electronic data and information.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 64 on the Consent Agenda.

c. **Authorization of 2015 Maintenance Expenditures to Assist Local Governments in Maintaining Existing Flood Warning Systems
(Resolution No. 65, Series of 2014)**

The District implemented its first early flood detection network in 1978 by installing automated rain and stream gages in the Boulder Creek drainage basin. This network now extends into all seven District counties and includes over 200 stations. Data from the ALERT System is used extensively by local public works and emergency management agencies, our forecasters, the National Weather Service, local news media, and many others including the general public. ALERT is an acronym that stands for Automated Local Evaluation in Real-Time.

Measurements from gaging stations are relayed by radio to repeaters that forward the information to base station receivers. All ALERT transmitters are licensed by the FCC and use dedicated hydrologic frequencies assigned to the National Weather Service. For the past 36 years, the District has assisted local governments with maintaining the ALERT System. Maintenance activities include:

- Activation of gages prior to the flood season (15 April to 15 September)
- Preventative maintenance during the flood season
- Fall shutdown and removal of electronic equipment
- Winter storage of equipment
- Year-round maintenance of weather stations, repeaters, base stations, and stream gages

Resolution No. 65 will authorize \$465,000 from the Maintenance Fund for maintaining the ALERT system.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 65 on the Consent Agenda.

d. **Authorization to Establish an Areawide Meteorological Support Service to Local Governments
(Resolution No. 66, Series of 2014)**

The District's flash flood prediction program was first established by the District in 1979 after the Big Thompson Canyon flash flood and has been serving the District for the past 35 consecutive years. It utilizes the services of a private meteorologist and operates in close partnership with the National Weather Service.

The professional forecast services provide notifications to local governments concerning potential flood threats. After storms develop, the meteorologists are engaged with interpreting radar and other weather data and keeping local governments informed as conditions change. The District's ALERT system is used by the meteorologist along with radar and satellite data in making forecasts. The program also supports basin flood warning plans for Boulder Creek, Lena Gulch, and Bear Creek in Jefferson County, Ralston Creek in Arvada, Goldsmith/Harvard Gulch in Denver, Toll Gate Creek in Aurora, and Westerly Creek in Denver/Aurora. The program operates during the flood season from mid-April through mid-September.

Resolution No. 66 will authorize \$111,000 from the General Fund to provide weather forecasts and flood predictions to local governments in 2015. The resolution also authorizes an additional \$39,000 for acquiring radar and satellite data, and for other operating costs.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 66 on the Consent Agenda.

e. Authorization of Funds to Complete Flood Hazard Area Delineation (FHAD) Studies, Letter of Map Change Studies, Risk MAP Studies, and Other Floodplain Management Activities (Resolution No. 67, Series of 2014)

The resolution authorizes the total Floodplain Management Program budget of \$370,000. The District typically receives requests from local governments throughout the year for Flood Hazard Area Delineation (FHAD) reports and Letter of Map Revision (LOMR) studies. No specific projects have been identified at this time. This resolution:

- Authorizes the Executive Director to spend up to \$370,000 for Floodplain Management Program projects as well as any funds received from cooperating entities, or the Federal Emergency Management Agency (FEMA), for the completion of FHADs, LOMR studies and/or DFIRM maintenance projects requested by one or more local governments within the District. Other activities include public notification to citizens of flood hazards, review of development projects, and other activities required to promote good floodplain management practices
- Requires the Executive Director to report the initiation of any such projects to the Board of Directors on a timely basis.
- Requires that the benefitting local governments regulate their floodplains in accordance with National Flood Insurance Program regulations at a minimum.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 67 on the Consent Agenda.

f. Acceptance of Flood Hazard Area Delineation Report for Box Elder Creek (downstream of Jewell Avenue) and Coyote Run (Resolution No. 68, Series of 2014)

This is a FHAD report for Box Elder Creek and Coyote Run. Resolution No. 68 accepts the FHAD dated December 2014, recommends that the cities of Aurora, the City and County of Denver, Adams, and Arapahoe County adopt the report and regulate the 100-year floodplain and directs the report to be submitted to CWCB for designation and approval.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 68 on the Consent Agenda.

g. Support of Legislation to Protect Public Regional Stormwater Management Activities (Resolution No. 69, Series of 2014)

This resolution authorizes the Board's support of legislation to protect public regional stormwater management activities in the form of a bill, which is intended to be introduced in the Colorado General Assembly in 2015, or a future year.

As previously brought to the Board's attention, the State Engineer has circulated a memorandum acknowledging and allowing detention and infiltration of urban runoff on individual sites for the purpose of stormwater management. The memorandum determines that regional stormwater detention constitutes a diversion of water that is subject to water rights administration and that these facilities do not fall within the scope of the *Administrative Approach for Storm Water Management*.

Subjecting regional stormwater management facilities to water rights administration by the State Engineer will require that stormwater management agencies obtain for each such facility, a water court decree for a "plan for augmentation" or other form of water court decree, resulting in an adversarial, expensive, and time-consuming process.

This bill will adopt legislation that would exempt publicly-owned regional stormwater management from administration and curtailment by the Colorado Division of Water Resources.

A question was asked as to whether this effort would require any additional funding. Mr. MacKenzie mentioned that the District had set aside \$50,000 in the 2015 Budget for this effort. Additionally, the District has requested that all participants of the Stormwater Management and Water Rights Task Force contribute \$5,000 each; generating an additional \$45,000.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 69 on the Consent Agenda.

**h. Acceptance of Senac Creek Planning Study
(Resolution No. 70, Series of 2014)**

Resolution 27 of 2013 authorized a major drainageway planning study for Senac Creek, for which the District partnered with the City of Aurora and the Southeast Metro Stormwater Authority (SEMSWA). Matrix Design Group was selected to perform the study.

The watershed area is approximately 9.8 square miles in area, but the study was just downstream of Aurora Reservoir which includes 4.9 miles of stream.

Senac Creek had never been master planned by the District and with the construction of the Aurora Reservoir in 1990, Aurora and SEMSWA wanted to study the effects of the release from the dam on Senac Creek downstream and also to plan for future development beginning to occur in the watershed.

Improvements recommended in the study include:

- Floodplain preservation to limit future development from encroaching on the natural 100-year floodplain
- Natural channel design stabilization methods to fix erosion that has started to occur and to prevent future erosion
- Increased capacity roadway crossings to prevent overtopping
- Drop structures to prevent vertical degradation
- Regional water quality to provide treatment of runoff from future development before it enters the creek
- Bank stabilization to prevent lateral migration
- Livestock fencing to protect vegetation on the banks of the creek

The total cost of improvements recommended in the study is around \$13 million, including contingencies.

Resolution No. 70 accepts the report and recommends the improvements and practices in the report be used as a guide in future public works projects and in land development activities.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 70 on the Consent Agenda.

**i. Additional Authorization to Participate in Drainage and Flood Control
Improvements on Arvada Channel, City of Wheatridge, Jefferson County
(Resolution No. 71, Series of 2014)**

This is a joint project with the City of Wheat Ridge and the Regional Transportation District (RTD). In 2008, the City of Wheat Ridge requested District participation in the design and construction of drainage and flood control improvements along Arvada Channel from Miller Street to Oak Street.

The City of Wheat Ridge and the District hired Muller Engineering to design the improvements in accordance with the joint planning study titled "Outfall Systems Planning, Columbine Basin," dated December 1994. The design was completed in 2009 and the necessary right-of-way to construct the improvements was acquired from the State of Colorado Board of Land Commissioners. Construction was not anticipated for several years due to lack of adequate construction funding.

The Arvada Channel Reach (Miller Street to Oak Street) is the missing connection between the upstream Ridge Road Tributary Outfall and the existing Arvada Channel storm sewer downstream of Miller Street. With the recent completion of the upstream Ridge Road Tributary Outfall and detention pond, RTD proposed to construct a 60" RCP for this reach. RTD needs this connection to adequately drain the impacts caused by the FasTrack Gold Line construction; however, the proposed 60" RCP would not handle the recommended OSP flows.

The District and the City of Wheat Ridge approached RTD about upsizing their interim storm sewer to handle the recommended OSP flows. This equated to an 8ft x 6ft CBC at an estimated increase in cost from \$1,500,000 to \$2,500,000. Recent total construction estimates from RTD's contractor are closer to \$2,700,000.

The District and the City of Wheat Ridge have now identified at least \$2,300,000 in total project costs for construction, with the District's participation being \$150,000 in 2015 funds. It is anticipated that Wheat Ridge will contribute an additional \$200,000 at a later date. Construction will be managed by RTD and is anticipated to begin in 2015. The District will employ Muller Engineering to provide construction engineering services. The City of Wheat Ridge will ultimately own the improvements and will be responsible for all future maintenance.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 71 on the Consent Agenda.

j. Authorization to Participate in Drainage and Flood Control Improvements on Coon Creek at Beers Sisters Lake Reservoir, Jefferson County (Resolution No. 72, Series of 2014)

This is a joint project with Jefferson County and the Foothills Park and Recreation District (non-funding partner). The District, Jefferson County, and the Foothills Park and Recreation District, desire to design, acquire right-of-way, and construct improvements along Coon Creek at Beers Sisters Lake Reservoir in accordance with the "Dutch Creek, Coon Creek, Lilley Gulch and Three Lakes Tributary Major Drainageway Planning and Flood Hazard Area Delineation Study," dated June 2014.

In lieu of lowering the dam and minimizing the permanent pool or ultimately being ordered by the State Engineers Office to breach the dam, the project sponsors desire to construct improvements as necessary to assure the 100-year flood routing capacity of Beers Sisters Lake Reservoir in accordance with the Major Drainageway Planning and Flood Hazard Area Delineation Study. Foothills Park and Recreation District already holds the necessary easements and right-of-way where the project will be constructed.

The District is administering the preliminary design with Icon Engineering Company. It includes reservoir spillway analysis and dam breach flood inundation mapping. A geotechnical investigation will also be conducted to evaluate dam seepage observations. The District will be administering the final design once a consulting engineering firm is selected using the Project Partners method of project delivery.

The District and Jefferson County ultimately desire to select a contractor using the Best Value process. The District will manage the construction of the improvements anticipated to begin in 2017. The District and Jefferson County have identified \$300,000 in initial project costs for the design, and partial funding of construction, with the District's participation being \$150,000 in 2015 funds.

Resolution No. 72 authorizes \$150,000 of District funds from the Special Revenue Fund - Construction to at least be matched by Jefferson County for the design and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 72 on the Consent Agenda.

k. Authorization to Participate in Drainage and Flood Control Improvements on Massey Draw at Deer Creek Golf Course, Jefferson County (Resolution No. 73, Series of 2014)

This is a joint project with Jefferson County. Jefferson County desires to design, acquire right-of-way, and construct improvements along Massey Draw at Deer Creek Golf Course in accordance with the "Massey Draw and SJCD (South) Major Drainageway Planning Update," dated February 2006. The project includes improvements to Massey Draw within the Deer Creek Golf Club.

Flooding occurred on Massey Draw within the Deer Creek Golf Club on June 27, 2004. Flood waters unexpectedly flowed both north and south of West Rockland Drive, significantly different than the regulatory floodplain delineation at the time. This resulted in several Meadow Ranch homes along the north side of West Rockland Drive being flooded to a depth of as much as three feet. The flows were estimated to approximate a 10-year storm event.

The June 27th storm occurred while the Major Drainageway Planning Update was in progress. Therefore, the Recommended Plan for Massey Draw along this reach included a levee to restrict the 100-year flows to the south side of West Rockland Drive where they were originally intended to flow. However, in light of current levee criteria, it has been determined that a levee is not the desired solution.

In early 2009, a LOMR was approved that corrected the 100-year floodplain delineation, showing the split flow at West Rockland Drive and at least eight homes in the floodplain. Later in 2009, a preliminary construction plan was submitted to remedy the split flow, but no construction ever occurred. It is due to this inactivity that the District and Jefferson County want to proceed with the final design, right-of way acquisitions, and construction of drainageway facilities with the goal of eliminating the 100-year flooding of private residences and other properties within and adjacent to the Deer Creek Golf Club as was originally intended. Attempts will be made to minimize disruption to four existing fairways. Easement and right-of-way acquisitions, if needed, will be included in the project costs.

The District will be administering the design once a consulting engineering firm is selected using the Project Partners method of project delivery.

The District and Jefferson County ultimately desire to select a contractor using the Best Value process. The District will manage the construction of the improvements anticipated to begin in 2015. The District and Jefferson County have identified \$1,800,000 in total project costs for the design, right-of-way acquisition, and construction, with the District's participation being \$900,000 in 2015 funds.

Resolution No. 73 authorizes \$900,000 of District funds from the Special Revenue Fund - Construction to at least be matched by Jefferson County for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 73 on the Consent Agenda.

l. Additional Authorization to Participate in Drainage and Flood Control Improvements on North Dry Gulch from Lamar Street to Teller Street, City of Lakewood, Jefferson County (Resolution No. 74, Series of 2014)

This is a joint project with the City of Lakewood. The District is currently administering the preliminary plan (OSP Update) being completed by Muller Engineering. Once this phase is complete they will move on to final design. The preliminary plan involves laying out a 100-yr drainageway system to remove several businesses from the floodplain. Ultimately, the existing underground system will be removed and flows placed overland in an enhanced local greenway similar to the upstream channel through the Wal Mart redevelopment area.

Easement and right-of-way acquisition is included in the project costs. The District and the City of Lakewood have identified \$4,250,000 in total project costs with the District's participation being \$2,125,000. The previous authorizations (Resolution No. 65, Series of 2008; Resolution No. 42, Series of 2011; Resolution No. 25, Series of 2013; and Resolution No. 60, Series of 2013) totaled \$3,350,000 (\$1,675,000 District; \$1,675,000 City of Lakewood) to fund design, acquisition of right-of-way, and construction. It is anticipated that additional monies for construction will be added next year. Phased construction could begin as early as 2015.

Resolution No. 74 authorizes an additional \$450,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Lakewood for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 74 on the Consent Agenda.

m. Additional Authorization to Participate in Drainage and Flood Control Improvements along West Fork Kenneys Run from 23rd Street to 24th Street, City of Golden, Jefferson County (Resolution No. 75, Series of 2014)

This is a continuing joint project with the City of Golden. The project includes approximately 900 linear feet of open channel, two roadway crossings, and three drop structure improvements from approximately 200 feet downstream of 23rd Street to approximately 300 feet upstream of 24th Street, within the City of Golden. The project will contain 100-year flows within the West Fork improved channel and eliminate the existing flow separations that occur at the 23rd Street and 24th Street crossings. Upstream the project will tie into the recently completed Golden High School Redevelopment improved channel, while downstream the project will match the existing West Fork channel.

Last year, the District and the City of Golden selected Icon Engineering to provide final design. Final design, easement and right-of-way acquisitions, and construction are included in the project costs.

The District and the City of Golden have now identified at least \$1,900,000 in total project costs with the District's participation being \$950,000. The previous authorizations (Resolution No.33, Series of 2012; Resolution No.17, Series of 2013; and Resolution No.59, Series of 2013) totaled \$650,000 to fund design and to partially fund acquisition of right-of-way and construction; therefore, the District's additional participation being authorized by this resolution will be \$300,000 in 2015 funds.

Total project costs for the design, right-of-way acquisition, and construction, are now estimated to be \$1,900,000. It is anticipated that additional monies construction will be added next year. Construction is anticipated in 2015-2016.

Resolution No. 75 authorizes an additional \$300,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Golden for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 75 on the Consent Agenda.

n. Additional Authorization to Participate in Drainage and Flood Control Improvements on Cherry Creek from Monaco Parkway to East Iliff Avenue, City and County of Denver

(Resolution No. 76, Series of 2014)

This is a joint project with the City and County of Denver. Muller Engineering Corporation is designing the project under contract with the District. The drainage elements of the project include installation of bank improvements and drop structures.

The City and County of Denver already holds the necessary easements and right-of-way where the project will be carried out. The design is underway and the District and the City and County of Denver desire to contribute funds towards construction.

The District and the City and County of Denver have identified \$2,200,000 in total project costs with the District's participation being \$1,100,000. The previous authorizations (Resolution No. 31, Series of 2011; Resolution No. 46, Series of 2011; Resolution No. 13, Series of 2012; Resolution No. 64, Series of 2012; and Resolution No. 58, Series of 2013) totaled \$1,700,000 to fund design and to partially fund construction.

Resolution No. 76 authorizes an additional \$250,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City and County of Denver for the design and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 76 on the Consent Agenda.

o. Additional Authorization to Participate in Drainage and Flood Control Improvements on Westerly Creek at the Confluence with Sand Creek, City and County of Denver

(Resolution No. 77, Series of 2014)

This is a joint project with the City and County of Denver. The City and County of Denver desires to design, acquire right-of-way, and construct improvements along Westerly Creek at the confluence with Sand Creek in accordance with the "Westerly Creek Drainageway Update Major Drainageway Plan," dated July 2010. The project includes improvements to Westerly Creek at the confluence with Sand Creek.

The City and County of Denver already holds the necessary easements and right-of-way where the project will be carried out. The City and County of Denver is administering the design with Matrix Design Group. The District and the City and County of Denver desire to construct the improvements which will be managed by the City and County of Denver.

The District and the City and County of Denver have identified \$700,000 in initial project costs for the design, right-of-way acquisition, and construction with the District's participation being \$350,000 in 2015 funds. Construction is anticipated in 2015.

Resolution No. 77 authorizes \$350,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City and County of Denver for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 77 on the Consent Agenda.

p. Additional Authorization to Participate in Drainage and Flood Control Improvements on Little Dry Creek from Lowell Boulevard to Federal Boulevard, City of Westminster, Adams County

(Resolution No. 78, Series of 2014)

This is a joint project with the City of Westminster and Adams County. Muller Engineering is currently working on the design of the project under contract with the District. The drainage elements of the project include rebuilding the entire Little Dry Creek corridor from Lowell to Federal Boulevards and construction of a formal detention

pond upstream of Federal Boulevard to remove adjacent structures from the floodplain, and to support future construction of a new park and an adjacent FasTracks station.

Easement and right-of-way acquisition is included in the project costs. The Barnum Publishing building has been purchased and removed in support of the new drainage and flood control facilities and park improvements.

Final design is ongoing and the District, the City of Westminster, and Adams County desire to continue with final design, acquisition of right-of-way, and construction of improvements.

The District, the City of Westminster, and Adams County have identified \$6,350,000 in total project costs with the District's participation being \$2,175,000. The previous authorizations (Resolution No. 54, Series of 2008; Resolution No. 20, Series of 2009; Resolution No. 12, Series of 2010; Resolution No. 43, Series of 2010; Resolution No. 21, Series of 2012; Resolution No. 65, Series of 2012; Resolution No. 37, Series of 2013; and Resolution No. 63, Series of 2013) totaled \$1,910,000 to fund design and to partially fund acquisition of right-of-way and construction.

Resolution No. 78 authorizes an additional \$265,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Westminster and Adams County for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 78 on the Consent Agenda.

q. Additional Authorization to Participate in Drainage and Flood Control Improvements on Fonder Draw at Lightening View Drive, Douglas County (Resolution No. 79, Series of 2014)

This is a joint project with Douglas County. Enginutiy Engineering Company designed the project under contract with the District. The drainage elements of the project include installation of stream bed and bank stability measures.

Easement and right-of-way acquisition is included in the project costs. The final design is now complete and the District and Douglas County desire to construct the improvements which will be managed by the District.

The District and Douglas County have identified \$510,000 in total project costs with the District's participation being \$255,000. The previous authorization (Resolution No. 30, Series of 2013) totaled \$225,000 to fund design and to partially fund acquisition of right-of-way and construction.

Resolution No. 79 authorizes an additional \$30,000 of District funds from the Special Revenue Fund - Construction to at least be matched by Douglas County for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 79 on the Consent Agenda.

r. Additional Authorization to Participate in Drainage and Flood Control Improvements on Wonderland Creek from Iris Street to Foothills, City and County of Boulder (Resolution No. 80, Series of 2014)

This is a joint project with the City of Boulder. Ayres Associates performed the conceptual design of the project under contract with the City of Boulder. The drainage elements of the project include installation of a new crossing at Iris Street, channel improvements, trail improvements, reduction in floodplain, flow separation from the Boulder and White Rock Ditch, and a new bridge at the UPRR crossing that includes a trail underpass.

Easement and right-of-way acquisition is included in the project costs. A single-family home owned by the Geological Society of America was purchased and deconstructed with money from a previous resolution. This home was situated well within the floodplain.

The final design is underway with Muller Engineering, and the District, and the City of Boulder desire to construct the improvements which are being managed by the City of Boulder.

The District and the City of Boulder have identified \$4,551,914 in total project costs with the District's participation being \$2,275,957. The previous authorizations (Resolution No. 40, Series of 2010; Resolution No. 19, Series of 2011; Resolution No. 55, 2011; Resolution No. 19, 2012; Resolution 39, Series of 2012; and Resolution No. 14, Series of 2013) totaled \$1,843,457 to fund acquisition of right-of-way and design, and to start funding construction.

Resolution No. 80 authorizes an additional \$432,500 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Boulder for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 80 on the Consent Agenda.

s. Additional Authorization to Participate in Drainage and Flood Control Improvements on Lakewood Gulch, Wolff Street to Sheridan Boulevard, City and County of Denver (Resolution No. 81, Series of 2014)

This is a joint project with the City and County of Denver. Muller Engineering is designing the project under contract with the District. The drainage elements of the project include installation of bank improvements and drop structures.

Easement and right-of-way acquisition is included in the project costs. The final design is ongoing and the District and the City and County of Denver desire to contribute funds towards right-of-way acquisition.

The District and the City and County of Denver have identified \$990,000 in total project costs with the District's participation being \$490,000. The previous authorizations (Resolution No. 101, Series of 2007 and Resolution No. 57, Series of 2013) totaled \$250,000 to fund construction.

Resolution No. 81 authorizes \$240,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City and County of Denver for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 81 on the Consent Agenda.

t. 2015 Legislative Committee (Resolution No. 82, Series of 2014)

This resolution establishes the 2015 Legislative Committee for the District. The Legislative Committee is comprised of the following Board Members:

1. Commissioner Nancy Sharpe
2. Commissioner Chaz Tedesco
3. Mr. Dave Sellards

The purpose of this committee shall include, but not be limited to; review and evaluate pending legislation, both state and federal; direct the District's lobbyists and/or Executive Director to advocate, oppose, or monitor, individual bills' and to receive updates and advice on activities at the city and county level, which are applicable to the District.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 82 on the Consent Agenda.

7. Vote on Approval of the Consent Agenda

It was the consensus of the Board that Resolutions No. 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, and 82 Series of 2014, and Cash Disbursements dated November and December 2014 be placed on the Consent Agenda. Mayor Atchison moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

8. Reports/Discussion

a. Executive Director's Report

The Executive Director's report (attached) was included in the meeting handouts. Mr. Hindman reviewed the report with the Board.

9. Other Business

a. Appointment of 2015 Officers

The Nominating Committee for 2015 officers (comprised of Mayor McNulty, Commissioner Sharpe, and Mayor Pro Tem McGoff) recommended the following slate of candidates for 2015 officers:

Chair – Council member Paul Lopez
Vice Chair – Mayor Joyce Downing
Treasurer – Mayor Heidi Williams
Secretary – Mayor Pro Tem Greg Stokes
Member At Large – Mr. Dave Sellards

The board motioned and approved the recommended Executive Committee members. Mr. Hindman thanked the Nominating Committee for their service.

b. 2015 Board Meeting Invitation

Mayor Heidi Williams requested that the 2015 Board Meeting invitation be sent as a reoccurring Outlook invite as opposed to a monthly meeting reminder. The Board concurred with this request. Ms. Deleon will send out a calendar invite to the Board for the 2015 Board Meetings.

10. Announcements

The next board meeting will take place on Monday, February 02, 2015.

11. Adjournment

Councilman Lopez adjourned the meeting at 2:10 pm.

Executive Director's Report

December 18, 2014

ADMINISTRATIVE

Every year, the District works with the Volunteers of America (VOA) on a charity event that supports either families or non-profit organizations in need. This year, we raised money and provided the necessary supplies ranging from clothing to hygiene products to help restock the VOA Women's Emergency Shelter, an overnight facility that serves homeless and vulnerable women and children.

PROGRAM

Design, Construction, and Maintenance: As shown in today's agenda, the DCM program is ending 2014 by getting a sizeable head start on 2015. With a stronger economy ahead, local governments are able to move forward on more projects and we are partnering with them as they build their stormwater conveyance infrastructures. 2015 promises to be a busy year!

Finance: We finally got started on our new accounting software. It took a while to negotiate the language of the contract, and for Tyler Technologies to assemble their team members for our conversion. If you see Terri skipping through the halls, that's why. The old system has a lot of band aids on it so it is definitely time to enter into the 21st century.

Information Services & Flood Warning: Julia Bailey is our point person for our new document management software, OnBase. Our DCM program is our guinea pig as we work out all the bugs. The new system will allow us to fully embrace our paperless office. Okay, maybe we won't be totally paperless, but we will be a lot closer than in the past. Everyone seems to be very excited.

Master Planning: Over the past couple of years, the District has been updating Volumes 1 and 2 of our Criteria Manual. Holly Piza is the project manager on this project and has held several meetings with stakeholders which include many of our local government partners. These manuals are used as the basis for stormwater management in the Denver Metro area. Also, many governmental agencies across the state, the nation, and even internationally have adopted the manuals as the foundation of their stormwater management program. Updating it is a huge process, but in 2015, it's expected to be complete.

STATE AND FEDERAL GOVERNMENT ADVOCACY

State and Local Government: Ken MacKenzie and I met with the State Engineer, Colorado Department of Public Health and Environment, and the Colorado Department of Natural Resources to discuss the issue of needing a water right for regional dry detention basins. The discussion solidified the need to move forward with legislation to resolve the issue which would provide the State Engineer clarity on how to regulate regional basins.

PERSONAL

On behalf of the UDFCD Staff – Happy Holidays!



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 01, SERIES OF 2015
(Reappointment of Mark R. Hunter to Board of Directors)

WHEREAS, the term of Mark R. Hunter as director of Urban Drainage and Flood Control ends, January 31, 2015; and

WHEREAS, Subsection 204(6)(a) of the Urban Drainage and Flood Control Act provides that "On or after the twenty-first day of January of each year but on or before the last day of January is such year, a director shall be appointed to the board by such board."; and

WHEREAS, Subsection 204(6)(b) requires that "Each director appointed pursuant to this subsection (6) shall be a professional engineer licensed by the state, an elector of the District, and not an officer in the regular employment of any public body. Each such director shall remain so qualified during his or her term of office as director."; and

WHEREAS, Subsection 204(9) provides "Except as otherwise provided in this article, any incumbent may be reappointed as director to the board."; and

WHEREAS, Mark R. Hunter is a taxpaying elector of the District, is not an officer, or employed by any public body, is a licensed Colorado professional engineer holding license number 17172.

NOW, THEREFORE, BE IT RESOLVED THAT:

Mark R. Hunter is reappointed as a member of the Board of Directors of the Urban Drainage and Flood Control District, effective February 1, 2015 for a term ending on January 31, 2017.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 02, SERIES OF 2015
(Designation of Public Place for Posting of Meeting Notices)

WHEREAS, the Colorado Open Meeting Law requires that notice of public meetings be posted in a designated public place within the boundaries of the local public body; and

WHEREAS, the public place or places shall be designated annually at the local public body's first regular meeting of each calendar year.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors hereby designates the window area adjacent to the main entrance to the District's office at 2480 West 26th Avenue, Suite 156-B, Denver, Colorado, as the public place for posting of meeting notices.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 03, SERIES OF 2015
(Acceptance of Upper Westerly Creek Planning Study)

WHEREAS, the Board cooperated with the City of Aurora and the City and County of Denver in the preparation of a major drainageway planning study for Westerly Creek and tributaries upstream of Westerly Creek Dam (Resolution No. 70, Series of 2012); and

WHEREAS, the Executive Director executed an agreement for engineering services with the consulting firm CH2M Hill Engineers, Inc. to conduct studies and prepare a major drainageway planning report for Westerly Creek and tributaries upstream of Westerly Creek Dam; and

WHEREAS, the District reviewed the alternatives presented by CH2M Hill Engineers, Inc. and concurred with the need to complete the study based on an alternative selected in cooperation with the City of Aurora and the City and County of Denver; and

WHEREAS, CH2M Hill Engineers, Inc. has completed the study and submitted to the District the report titled "Westerly Creek (Upstream of the Westerly Creek Dam) Major Drainageway Plan," dated January 2015.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled "Westerly Creek (Upstream of the Westerly Creek Dam) Major Drainageway Plan," dated January 2015, and recommends that all drainage, flood control and stormwater management infrastructure and practices recommended in the report be used to guide future drainage and flood control planning, land development, and design and construction of all such infrastructure within jurisdiction covered by said plan.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 03, SERIES OF 2015
(Acceptance of Upper Westerly Creek Planning Study)

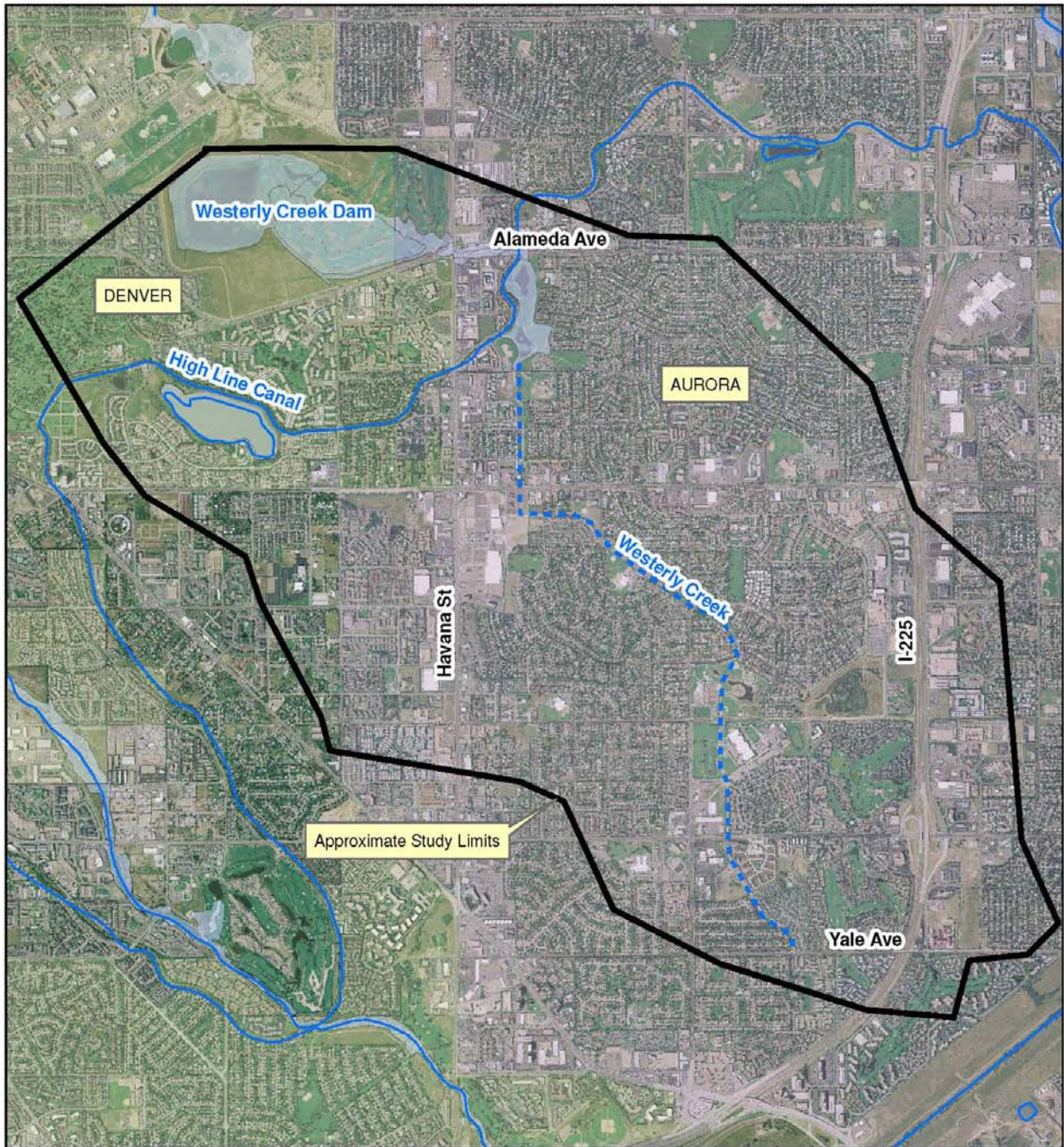
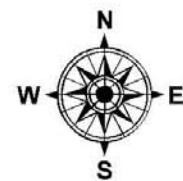


EXHIBIT A
Westerly Creek U/S of Dam
Major Drainageway Plan & FHAD
Approximate Study Limits
November 2012



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 04, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Westerly Creek from 17th Avenue to Montview Boulevard, City of Aurora, Adams County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Aurora has enacted floodplain regulations; and

WHEREAS, the City of Aurora and the District cooperated in the preparation of "Westerly Creek Drainageway Update (Downstream of Westerly Creek Dam) Major Drainageway Plan Conceptual Design Report," dated July 2010; and

WHEREAS, the City of Aurora has requested District participation in the design, acquisition of right-of-way, and construction of improvements along Westerly Creek from 17th Avenue to Montview Boulevard (Exhibit A); and

WHEREAS, the Board previously authorized (Resolution No. 21, Series of 2013 and Resolution No. 10, Series of 2014) \$500,000 for design, acquisition of right-of-way, and construction of improvements along Westerly Creek from 17th Avenue to Montview Boulevard (Exhibit A); and

WHEREAS, the City of Aurora and the District now desire to construct improvements along Westerly Creek from 17th Avenue to Montview Boulevard; and

WHEREAS, the City of Aurora has estimated the additional project costs to be \$510,000 resulting in a revised total project cost of \$1,510,000 (\$755,000 District; \$755,000 City of Aurora); and

WHEREAS, the District's participation being authorized by this resolution is \$255,000; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Westerly Creek from 17th Avenue to Montview Boulevard; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements along Westerly Creek from 17th Avenue to Montview Boulevard were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 21, Series of 2013, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Westerly Creek from 17th Avenue to Montview Boulevard project without prior approval of the Board shall be ~~\$500,000~~ **\$755,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Aurora."
2. All other conditions and authorizations remain as stated in Resolution No. 21, Series of 2013.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 04, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Westerly Creek from 17th Avenue to Montview Boulevard, City of Aurora, Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 05, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on First Creek at 104th Avenue, Commerce City, Adams County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Commerce City has enacted floodplain regulations; and

WHEREAS, Commerce City and the District cooperated in the preparation of "Lower First Creek and Direct Flow Area 0055 Major Drainageway Planning Preliminary Design and Final Report," dated May 2002; and

WHEREAS, Commerce City has requested District participation in the design, acquisition of right-of-way, and construction of improvements along First Creek at 104th Avenue (Exhibit A); and

WHEREAS, Commerce City has estimated the total project costs to be \$500,000; and

WHEREAS, the District's participation being authorized by this resolution is \$250,000; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along First Creek at 104th Avenue; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements along First Creek at 104th Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with Commerce City for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on First Creek at 104th Avenue.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on First Creek at 104th Avenue.
3. The District's maximum contribution to the First Creek at 104th Avenue project, without prior approval of the Board, shall be \$250,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by Commerce City.
4. Such approval for expenditure of District funds is contingent upon Commerce City agreeing to regulate and control any defined floodplain in the First Creek at 104th Avenue project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 05, SERIES OF 2015
(Authorization to Participate in Drainage and Flood Control Improvements
on First Creek, Commerce City, Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 06, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Coal Creek from County Line Road to Kenosha Road, Town of Erie, Boulder County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the Town of Erie has enacted floodplain regulations; and

WHEREAS, the Town of Erie and the District cooperated in the preparation of "Coal Creek and Rock Creek Major Drainageway Plan," dated October 2014; and

WHEREAS, the Town of Erie has requested District participation in the design, acquisition of right-of-way, and construction of improvements along Coal Creek from County Line Road to Kenosha Road (Exhibit A); and

WHEREAS, the Town of Erie has estimated the total project costs to be \$100,000; and

WHEREAS, the District's participation being authorized by this resolution is \$50,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Coal Creek from County Line Road to Kenosha Road; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Coal Creek from County Line Road to Kenosha Road were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the Town of Erie for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Coal Creek from County Line Road to Kenosha Road.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Coal Creek from County Line Road to Kenosha Road.
3. The District's maximum contribution to the Coal Creek from County Line Road to Kenosha Road project, without prior approval of the Board, shall be \$50,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the Town of Erie.
4. Such approval for expenditure of District funds is contingent upon the Town of Erie agreeing to regulate and control any defined floodplain in the Coal Creek from County Line Road to Kenosha Road project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 06, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Coal Creek from County Line Road to Kenosha Road, Town of Erie, Boulder County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 07, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Coal Creek Upstream of McCaslin Boulevard, Town of Superior, Boulder County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the Town of Superior has enacted floodplain regulations; and

WHEREAS, the Town of Superior and the District cooperated in the preparation of "Coal Creek (Through Town of Superior) Major Drainageway Planning Study," dated November 2006; and

WHEREAS, the Board previously authorized (Resolution No. 19, Series of 2009, Resolution No. 12, Series of 2014) \$262,500 for design, acquisition of right-of-way, and construction of improvements along Coal Creek Upstream of McCaslin Boulevard (Exhibit A); and

WHEREAS, the Town of Superior and the District now desire to construct improvements along Coal Creek Upstream of McCaslin Boulevard; and

WHEREAS, the Town of Superior has estimated the additional project costs to be \$1,025,000 resulting in a revised total project cost of \$1,640,000 (\$775,000 District; \$865,000 Town of Superior); and

WHEREAS, the District's additional participation being authorized by this resolution is \$512,500; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget, (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Coal Creek Upstream of McCaslin Boulevard; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Coal Creek Upstream of McCaslin Boulevard were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 19, Series of 2009, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Coal Creek Upstream of McCaslin Boulevard project without prior approval of the Board shall be ~~\$262,500~~ **\$775,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the Town of Superior."
2. All other conditions and authorizations remain as stated in Resolution No. 19, Series of 2009.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

RESOLUTION NO. 07, SERIES OF 2015
(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Coal Creek Upstream of McCaslin Boulevard, Town of Superior, Boulder County)

This aerial map illustrates the project area within Clear Creek Park. A dashed black line delineates the 'Project limits', which follow the course of 'Coal Creek'. Key roads shown include Marshall Rd, Center Dr, Sycamore St, 1st Ave, 2nd Ave, 3rd Ave, 4th Ave, 5th Ave, 6th Ave, 7th Ave, 8th Ave, 9th Ave, 10th Ave, 11th Ave, 12th Ave, 13th Ave, 14th Ave, 15th Ave, 16th Ave, 17th Ave, 18th Ave, 19th Ave, 20th Ave, 21st Ave, 22nd Ave, 23rd Ave, 24th Ave, 25th Ave, 26th Ave, 27th Ave, 28th Ave, 29th Ave, 30th Ave, 31st Ave, 32nd Ave, 33rd Ave, 34th Ave, 35th Ave, 36th Ave, 37th Ave, 38th Ave, 39th Ave, 40th Ave, 41st Ave, 42nd Ave, 43rd Ave, 44th Ave, 45th Ave, 46th Ave, 47th Ave, 48th Ave, 49th Ave, 50th Ave, 51st Ave, 52nd Ave, 53rd Ave, 54th Ave, 55th Ave, 56th Ave, 57th Ave, 58th Ave, 59th Ave, 60th Ave, 61st Ave, 62nd Ave, 63rd Ave, 64th Ave, 65th Ave, 66th Ave, 67th Ave, 68th Ave, 69th Ave, 70th Ave, 71st Ave, 72nd Ave, 73rd Ave, 74th Ave, 75th Ave, 76th Ave, 77th Ave, 78th Ave, 79th Ave, 80th Ave, 81st Ave, 82nd Ave, 83rd Ave, 84th Ave, 85th Ave, 86th Ave, 87th Ave, 88th Ave, 89th Ave, 90th Ave, 91st Ave, 92nd Ave, 93rd Ave, 94th Ave, 95th Ave, 96th Ave, 97th Ave, 98th Ave, 99th Ave, 100th Ave. Other features include Shawnee, Foxen, Monawkes, Sycamore, and Coal Creek. A compass rose in the bottom right corner indicates North (N), South (S), East (E), and West (W). Highway 170 is also marked.

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 08, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Drainageways A, A-2, 7, and 7-2, City of Louisville and City of Lafayette, Boulder County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Louisville and the City of Lafayette have enacted floodplain regulations; and

WHEREAS, the City of Louisville, the City of Lafayette, and the District cooperated in the preparation of "Lafayette-Louisville Boundary Outfall System Plan Conceptual Design Report," dated January 2011; and

WHEREAS, the Board previously authorized (Resolution No. 29, Series of 2011; Resolution No. 41, Series of 2012; Resolution No. 18, Series of 2013; and Resolution No. 14, Series of 2014) \$850,000 for acquisition of right-of-way, design, and construction along Drainageways A, A-2, 7, and 7-2 (Exhibit A); and

WHEREAS, the City of Louisville, the City of Lafayette, and the District now desire to continue with the design, acquisition of right-of-way, and construction of improvements along Drainageways A, A-2, 7, and 7-2; and

WHEREAS, the City of Louisville and the City of Lafayette have estimated the additional project costs to be \$485,000 resulting in a revised total project cost of \$2,185,000 (\$1,055,000 District; \$1,055,000 City of Louisville; \$75,000 City of Lafayette); and

WHEREAS, the District's additional participation being authorized by this resolution is \$205,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46 Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Drainageways A, A-2, 7, and 7-2; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Drainageways A, A-2, 7, and 7-2 were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 29, Series of 2011, Paragraph 3, be further amended as follows:
"The District's maximum contribution to the Drainageways A, A-2, 7, and 7-2 project without prior approval of the Board shall be ~~\$850,000~~ **\$1,055,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Louisville and the City of Lafayette."
2. All other conditions and authorizations remain as stated in Resolution No. 29, Series of 2011.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

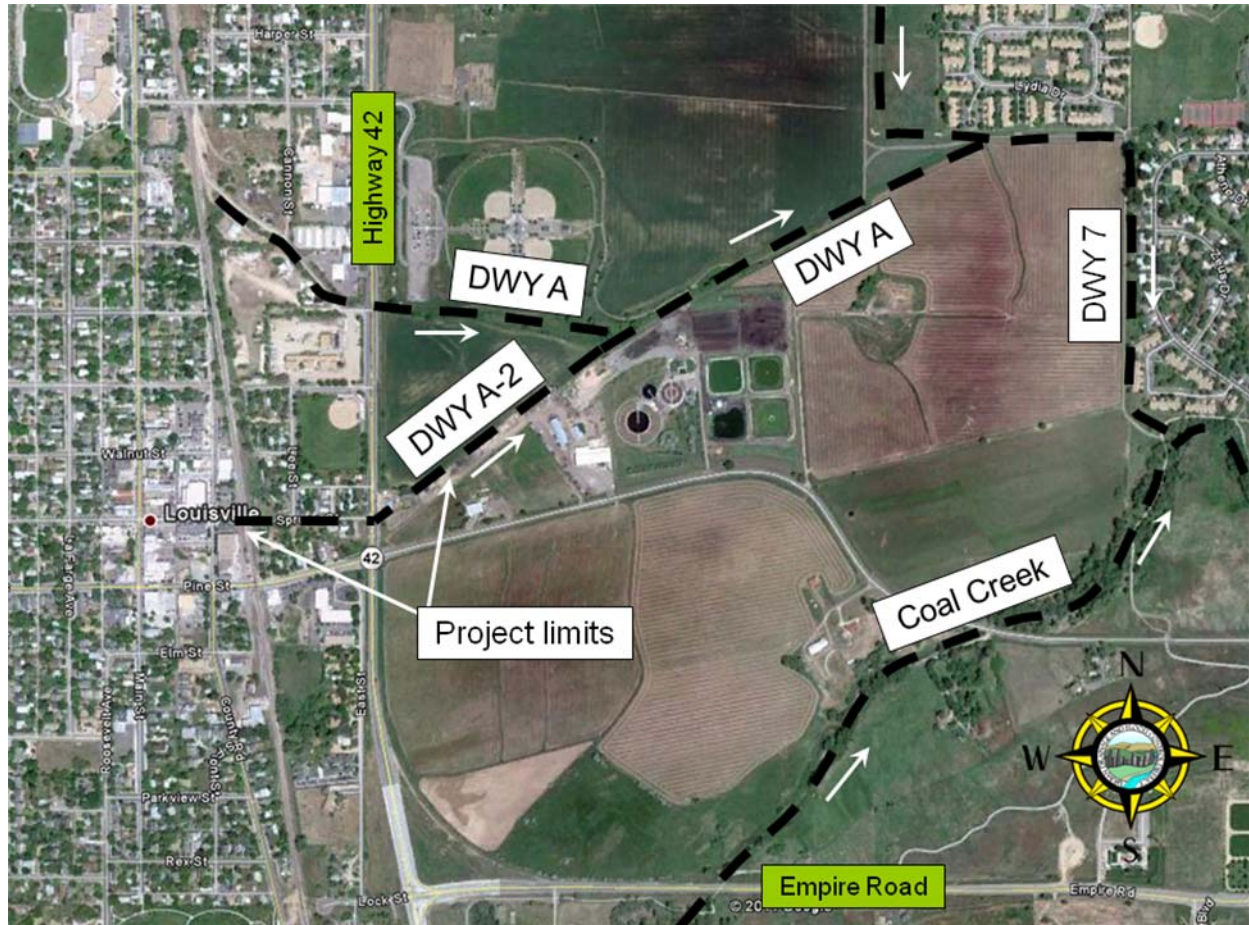
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 08, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Drainageway A, A-2, 7, and 7-2, City of Louisville, Boulder County)

EXHIBIT A





URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

BOARD OF DIRECTORS MEETING

Date: Thursday, March 19, 2015

Time: 1:00 pm

Catered Lunch – 12:15 pm

How the District Works – 12:45 – 1:00 pm

1. Call to Order and Pledge of Allegiance – 1:00 pm

2. Introductions

- a. Swearing in of New Board Members
 - i. Commissioner Libby Szabo (Jefferson County)
 - ii. Mayor Pro Tem Suzanne Jones (City of Boulder)
- b. Visitors/Guests/Staff
- c. Awards/Recognitions

3. Roll Call – Determination of Quorum

4. Presentation of 2014 Audit – Discussion

- a. Mark Elmshauser, CPA, CliftonLarsonAllen, LLP

5. Approval of February 2, 2015 Meeting Minutes *(If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”)*

6. Consent Agenda *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*

- a. Review of Cash Disbursements
- b. Additional Authorization for a Planning Study of Big Dry Creek
(Resolution No. 09, Series of 2015)
- c. Acceptance of Kalcevik Gulch Planning Study
(Resolution No. 10, Series of 2015)
- d. Additional Authorization to Participate in Drainage and Flood Control Improvements on North Outfall at Midland Street, City of Brighton, Adams County
(Resolution No. 11, Series of 2015)
- e. Authorization to Participate in Drainage and Flood Control Improvements on School Tributary Upstream of Colorado Boulevard, City of Thornton, Adams County
(Resolution No. 12, Series of 2015)
- f. Authorization to Participate in Drainage and Flood Control Improvements on City Park Drainageway, Lower Reach, City of Westminster, Adams County
(Resolution No. 13, Series of 2015)
- g. Additional Authorization to Participate in Drainage and Flood Control Improvements on Cherry Creek at Arapahoe Road, Cities of Aurora, Centennial, and Unincorporated Areas, Arapahoe County
(Resolution No. 14, Series of 2015)
- h. Authorization to Participate in Drainage and Flood Control Improvements on Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street, City of Aurora, Arapahoe County
(Resolution No. 15, Series of 2015)
- i. Additional Authorization to Participate in Drainage and Flood Control Improvements on First Creek Detention Upstream of I-70, City of Aurora, Arapahoe County
(Resolution No. 16, Series of 2015)
- j. Authorization to Participate in Drainage and Flood Control Improvements on Sand Creek Trail at Smith Road, City and County of Denver
(Resolution No. 17, Series of 2015)

- k. Authorization to Participate in Drainage and Flood Control Improvements at Crown Point Detention on Cottonwood Creek at E-470, Town of Parker, Douglas County (Resolution No. 18, Series of 2015)
- l. Additional Authorization to Participate in Drainage and Flood Control Improvements on Cherry Creek at Norton Farms, Town of Parker, Douglas County (Resolution No. 19, Series of 2015)

7. Vote on Approval of the Consent Agenda *(Motion and roll call vote required)*

8. Reports/Discussion

- a. Executive Director's Report

9. Other Business

- a. Personnel Rules and Procedures Committee

10. Announcements

- a. Annual Seminar: **Tuesday, April 7, 2015**
- b. Next Regularly Scheduled Meeting: **Thursday, April 16, 2015**
- c. District Project Tour: **May 21, 2015**

11. Adjournment



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT BOARD OF DIRECTORS

February 2, 2015

MINUTES

Members Present:

Herb Atchison, Mayor, City of Westminster
Bruce Beckman, Mayor Pro Tem, City of Littleton
Deb Gardner, Commissioner, Boulder County
Joyce Downing, Mayor, City of Northglenn
Mark Hunter, Engineer
Debi Hunter-Holen, City of Aurora
George Karakehian, Mayor Pro Tem, City of Boulder
Peggy Lehmann, Council Member, City/County of Denver
Paul Lopez, Council Member, City/County of Denver
Ken Lucas, Mayor Pro Tem, City of Centennial
Mark McGoff, Mayor Pro Tem, City of Arvada
Bonnie McNulty, Mayor, City of Edgewater
Bob Murphy, Mayor, City of Lakewood
Jill Repella, Commissioner, Douglas County
Nancy Sharpe, Commissioner, Arapahoe County
Greg Stokes, Mayor Pro Tem, City/County of Broomfield
Charles (Chaz) Tedesco, Commissioner, Adams County

Members Absent:

Cary Kennedy, Deputy Mayor, City of Centennial
Dave Sellards, Engineer
Mary Beth Susman, Council Member, City/County of Denver
Heidi Williams, City of Thornton

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Julia Bailey	Project Engineer, Information Services & Flood Warning
David Bennetts	Program Manager, Design, Construction, and Maintenance
Richard Borchardt	Project Manager, Design, Construction, and Maintenance
Barbara Chongtoua	Project Manager, Design, Construction, and Maintenance
Joanna Czarnecka	Construction Manager, Floodplain Management
Amelia Deleon	Human Resources and Administrative Services Manager
Terri Fead	Project Manager, Floodplain Management
Laura Kroeger	Assistant Manager, Design, Construction, and Maintenance
David Mallory	Program Manager, Floodplain Management
Ken MacKenzie	Program Manager, Master Planning
Teresa Patterson	Project Engineer, Floodplain Management
Holly Piza	Project Manager, Master Planning
Terri Schaffer	Controller
David Skuodas	Project Manager, Design, Construction, and Maintenance
Kevin Stewart	Program Manager, Information Services & Flood Warning
Shea Thomas	Project Manager, Master Planning

Others Present:

None.

How the Districts Works – Floodplain Preservation

Mr. Hindman conducted a presentation entitled, “Floodplain Preservation,” for this month’s How the District Works presentation.

- 1. Call to Order and Pledge of Allegiance – 1:00 p.m.**
Councilman Lopez called the meeting to order at 1:00 p.m.
- 2. Introductions**
 - a. Swearing in of New Board Members**
The following individuals were sworn in as new board members by Mr. Ed Krisor:
 - Mayor Pro Tem Debi Hunter-Holen, City of Aurora
 - b. Visitors/Guests/Staff**
Mr. Hindman introduced the following new staff members:
 - Brian Fischer – Student Intern working part-time for the Design, Construction, and Maintenance Program.
 - John Pflaum – Project Engineer working part-time with the Floodplain Management Program.
 - c. Awards/Recognitions**
Councilman Lopez recognized Mr. Paul Hindman’s 30-Year Anniversary at the District. A small presentation was conducted by Mr. David Bennetts commemorating Mr. Hindman’s time at the District.
- 3. Roll Call – Determination of Quorum**
Roll was called and a quorum was declared present.
- 4. Board of Directors Reappointment**
 - a. Reappointment of Mr. Mark Hunter to Board of Directors (Resolution No. 01, Series of 2015)**
Council Member Lopez stated that Mr. Mark Hunter is willing to be reappointed to the Board of Directors. Resolution No. 01, Series of 2015, would reappoint Mr. Hunter to a two-year term through January 31, 2017. It was the consensus of the Board to place Resolution No. 01 on the Consent Agenda.
- 5. Board Approval of December 18, 2014 Meeting Minutes**
Councilman Lopez asked if there were any corrections to the December 18, 2014 minutes. Hearing none, the minutes were approved as submitted.
- 6. Consent Agenda**
 - a. Review of Cash Disbursements**
Cash Disbursement list, dated December 2014 and January 2015, had been distributed to the Board for review. There being no further comments or questions, it was the consensus of the Board to include approval of the Cash Disbursements on the Consent Agenda.
 - b. Designation of Public Place for Posting of Meeting Notices (Resolution No. 02, Series of 2015)**
It is required by the Colorado Open Meetings Law that the District annually designate the location for the posting of meeting notices. The District designates the window area adjacent to the main entrance of the District Office as the public place for posting of meeting notices. The District is located at 2480 W. 26th Avenue, Suite 156-B, Denver, Colorado 80211.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 02 on the Consent Agenda.

c. **Acceptance of Upper Westerly Creek Planning Study
(Resolution No. 03, Series of 2015)**

Resolution No. 70, Series of 2012 authorized a major drainageway planning study for Westerly Creek, for which the District partnered with the City of Aurora and the City and County of Denver. CH2M Hill was selected to perform the study.

The watershed area is approximately 8.75 square miles in area. This portion of Westerly Creek has been previously studied by the District as reported in the following documents:

- Westerly Creek Major Drainageway Plan (Camp Dresser & McKee, 1977)
- Upper Westerly Creek Outfall System Plan (Simons Li, 1982)
- Westerly Creek East of Havana Outfall Systems Plan (Merrick, 1996)

Aurora and Denver wanted to update the previous OSP to incorporate drainage infrastructure that has been constructed and to re-evaluate the 100-year floodplain delineation based on the September 2013 storm event.

Improvements recommended in the study include:

- Regional detention to reduce peak flows downstream so existing infrastructure will convey the 100-year storm
- Increased capacity roadway crossings to prevent overtopping
- New and upsized storm sewer system to convey 100-year flows to the creek without exceeding the criteria for flow in streets
- Drop structures to prevent vertical degradation
- Regional water quality to provide treatment of runoff from future development before it enters the creek

The total cost of improvements recommended in the study is around \$80 million, including contingencies. Resolution No. 03 accepts the report and recommends the improvements and practices in the report be used as a guide in future public works projects and in land development activities.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 03 on the Consent Agenda.

d. **Additional Authorization to Participate in Drainage and Flood Control
Improvements on Westerly Creek from 17th Avenue to Montview Boulevard, City
of Aurora, Adams County
(Resolution No. 04, Series of 2015)**

This is a joint project with the City of Aurora. The City of Aurora desires to design, acquire right-of-way, and construct improvements along Westerly Creek from 17th Avenue to Montview Boulevard in accordance with the "Westerly Creek Drainageway Update (Downstream of Westerly Creek Dam) Major Drainageway Plan Conceptual Design Report," dated July 2010. The project includes improvements to increase channel capacity and to replace the Montview Bridge to reduce the number of insurable structures in the 100-year floodplain.

Easement and right-of-way acquisition will be included in the project costs. Final design is underway, and the City of Aurora will be administering construction once design is complete. Construction is projected for 2016. The District and the City of Aurora have identified \$1,510,000 in total project costs with the District's participation being \$755,000. It is anticipated that additional funds may be needed in the future for this project. Resolution No. 04 authorizes an additional \$255,000 of District funds to be matched by the City of Aurora for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 04 on the Consent Agenda.

e. Authorization to Participate in Drainage and Flood Control Improvements on First Creek at 104th Avenue, Commerce City, Adams County (Resolution No. 05, Series of 2015)

This is a joint project with the City of Commerce City. The City of Commerce City desires to design, acquire right-of-way, and construct improvements along First Creek at 104th Avenue, in accordance with the "Lower First Creek and Direct Flow Area 0055 Major Drainageway Planning Preliminary Design and Final Report," dated May 2002. The project includes improvements to First Creek at 104th Avenue to provide a 100-year crossing in conjunction with road improvements to 104th Avenue. Future improvements are anticipated for First Creek upstream and downstream of 104th Avenue. The City of Commerce City already holds the necessary easements and right-of-way where the project will be carried out. The City of Commerce City is administering the design with JR Engineering in conjunction with their design of road improvements to 104th Avenue.

The District and the City of Commerce City desire to construct the improvements which will be managed by Commerce City. Construction is projected for 2015. The District and the City of Commerce City have identified \$500,000 in total project costs for the design, right-of-way acquisition, and partial funding of construction with the District's participation being \$250,000 in 2015 funds. It is anticipated that additional funds may be needed in the future for this project.

Resolution No. 05 authorizes \$250,000 of District funds to be matched by the City of Commerce City for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 05 on the Consent Agenda.

f. Authorization to Participate in Drainage and Flood Control Improvements on Coal Creek from County Line Road to Kenosha Road, Town of Erie, Boulder County (Resolution No. 06, Series of 2015)

This is a joint project with the Town of Erie. The Town of Erie desires to design, acquire right-of-way, and construct improvements on Coal Creek from County Line Road to Kenosha Road in accordance with the "Coal Creek and Rock Creek Major Drainageway Plan," dated October 2014. The project includes channel improvements to Coal Creek from County Line Road to Kenosha Road.

The Town of Erie already holds the necessary easements and right-of-way where the project will be carried out. The District will be administering the design once a consulting engineering firm is selected. Construction is projected for 2017.

The District and the Town of Erie have identified \$100,000 in initial project costs for the design, right-of-way acquisition, and partial funding of construction with the District's participation being \$50,000 in 2015 funds. It is anticipated that additional funds may be needed in the future for this project. Resolution No. 06 authorizes \$50,000 of District funds to be matched by the Town of Erie for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 06 on the Consent Agenda.

g. Additional Authorization to Participate in Drainage and Flood Control Improvements on Coal Creek Upstream of McCaslin Boulevard, Town of Superior, Boulder County (Resolution No. 07, Series of 2015)

This is a joint project with the Town of Superior. CH2M Hill is working on the design of the project under contract with the District. The drainage elements of the project include installation of a new bridge at 2nd Avenue, and channel improvements from McCaslin Boulevard to the upstream trail crossing. Easement and right-of-way acquisition is included in the project costs.

The final design is underway and the District and the Town of Superior desire to construct the improvements which will be managed by the District. Construction is projected for 2015.

The District and the Town of Superior have identified \$1,640,000 in total project costs with the District's participation being \$775,000. It is anticipated that additional funds may be needed in the future for this project. Resolution No. 07 authorizes an additional \$512,500 of District funds to be matched by the Town of Superior for the project. There being no further comments or questions, it was the consensus of the Board to place Resolution No. 07 on the Consent Agenda.

h. Additional Authorization to Participate in Drainage and Flood Control Improvements on Drainageways A, A-2, 7, and 7-2, City of Louisville and City of Lafayette, Boulder County (Resolution No. 08, Series of 2015)

This is a joint project with the City of Louisville and the City of Lafayette. The City of Louisville and the City of Lafayette desire to design, acquire right-of-way, and construct improvements along Drainageways A, A-2, 7, and 7-2 in accordance with the "Lafayette-Louisville Boundary Outfall System Plan Conceptual Design Report," dated January 2011. The project includes improvements to add a 100-year capacity storm sewer system to alleviate flooding west of the railroad tracks, and conveyance of the 100-year flood to Coal Creek.

Easement and right-of-way acquisition will be included in the project costs. Design is underway, and the District will be administering construction once design is complete. Construction is projected for 2016.

The District, the City of Louisville, and the City of Lafayette, have identified \$2,185,000 in total project costs for the design, right-of-way acquisition, and partial funding of construction with the District's participation being \$1,055,000. It is anticipated that additional funds may be needed in the future for this project.

Resolution No. 08 authorizes an additional \$205,000 of District funds to be matched by the City of Louisville and City of Lafayette for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 08 on the Consent Agenda.

7. Vote on Approval of the Consent Agenda

It was the consensus of the Board that Resolutions No. 01, 02, 03, 04, 05, 06, 07, and 08 Series of 2015, and Cash Disbursements dated December 2014 and January 2015 be placed on the Consent Agenda. Mayor Atchison moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

8. Reports/Discussion

a. Executive Director's Report

The Executive Director's report (attached) was included in the meeting handouts. Mr. Hindman reviewed the report with the Board.

9. Other Business

District Annual Seminar

The District Annual Seminar has been scheduled for April 7th and will take place at the Omni Hotel in Broomfield. Board members will receive an email invite and are welcome to attend.

Stormwater Management and Fire Debris Basin Legislation

A memorandum concerning Stormwater Management and Fire Debris Basin Legislation was distributed to the Board for review. Mr. MacKenzie explained that in January, UDFCD, along with Bennett Raley (Water Rights Attorney) presented our case for legislation to the Colorado Water Congress and UDFCD made presentations to CCI, Metro Mayors, ACEC, and others. We

have joined forces with the Colorado Springs Utilities who are experiencing similar issues for their post-fire debris basins.

Mr. Ken MacKenzie explained that the purpose of this legislation is to permit regional stormwater management for flood detention, post-fire debris control, and stormwater quality management detention protection without a plan of augmentation that would require the acquisition of water rights for that plan and administration by the State Engineer.

Mr. Hindman and Mr. MacKenzie will keep the board up to date as we move forward with this process.

10. Announcements

The next board meeting will take place on Thursday, March 19, 2015. Mr. Hindman reminded the Board that the process for RSVP'ing to the board meetings has changed. At the beginning of the year, Ms. Deleon sent out a reoccurring Outlook invitation for the 2015 board meetings. Mr. Hindman requested that the board keep the Outlook invite current by either accepting or decline each meeting. This will allow us to be able to determine whether or not we have a quorum.

11. Adjournment

Councilman Lopez adjourned the meeting at 1:50 pm.

Executive Director's Report

February 2, 2015

ADMINISTRATIVE

I hope everyone had a wonderful holiday season. If you're like me, Christmas seems like ages ago. Sadly, we just put away the holiday decorations at the front lobby which symbolizes the end of the holiday season for the District. Starting off the New Year, we are going to make a few minor changes, both structural and personnel. Amelia has taken on the role of Human Resources Manager in addition to her other duties. Some of her administrative tasks will be delegated to our two Senior Administrative Assistants. Because of the additional workload the program is taking on, we will be hiring a part-time receptionist to cover the phones during peak hours. We will also be doing a small remodel of the front area to make the space more inviting for visitors.

PROGRAM

Design, Construction, and Maintenance: As shown in today's agenda, the DCM program is ending 2014 by getting a sizable head start on 2015. With a stronger economy ahead, local governments are able to move forward on more projects and we are partnering with them as they build their stormwater conveyance infrastructures. 2015 promises to be a busy year!

Flood Warning: Several local governments have requested the installation of additional gages to add to our flood warning system. Every year, we receive a few requests, but this year, we've seen a substantial increase. I guess this shows the system is being used and is a valuable tool for their staff and citizens. Some of these gages are partially funded by the District while others are funded entirely by the local governments.

Finance: For those of you who have been on the Board for a few years, you are probably used to seeing the draft audit at the February meeting. This year, the draft audit will be presented at the March meeting with the final to be adopted in April. With our old software having several hiccups, the extra time was necessary.

Floodplain Management: The submittals from developers have not let up. For the last few years we have hired an outside engineer, John Pflaum, to help out. This first started with the FasTracks projects but now development is all over the metro area. I'm sure that's not a surprise to anyone. When we first hired John, it was on a contract basis thinking the FasTracks work would end. With the current development reviews, we don't see an end in sight so we have brought John on as a part-time temporary employee, mainly to comply with employment law. The temporary position will end on December 31st at which time we will reevaluate if John's services are still needed.

Master Planning: Ken MacKenzie, Program Manager, is planning our annual seminar to be held on April 7th. Some of the topics to be presented are climate change, adaptive vegetation management, new FEMA flood risk communication, rainwater harvesting, and repurposing the High Line Canal. As we get closer, I will inform the Board about registration if anyone would like to attend.

STATE AND FEDERAL GOVERNMENT ADVOCACY

State and Local Government: We have a large contingent of local government representatives who have joined the effort to pass legislation which will clean up the issue of water rights for stormwater detention facilities. The entities who have built fire debris basins have also come into question with the State Engineer concerning whether they also need a water right for these basins. The two groups, stormwater and fire basins, have joined forces to present a single piece of legislation which will resolve the issues. In essence, being able to build these basins for fire and detention without augmenting the water loses either in quantity or time. As of today, draft legislation has been prepared and we are looking for the right sponsors in the general assembly.

PERSONAL

On January 7th, Paul Hindman celebrated 30 years at the District including six years as Executive Director. Paul thought he could celebrate this momentous occasion quietly, but we, at the District, wanted to recognize this major milestone as well as express our gratitude and heartfelt thanks to Paul for his 30 years of dedicated public service.

On behalf of the UDFCD Staff,

Happy 30th Anniversary, Paul!

(Before photoshop)



(After photoshop)



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 09, SERIES OF 2015

(Additional Authorization for a Planning Study of Big Dry Creek)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Centennial, Arapahoe County and the City of Greenwood Village have enacted floodplain regulations; and

WHEREAS, the City of Centennial and Arapahoe County have assigned and transferred to Southeast Metro Stormwater Authority (SEMSWA) their rights and obligations for the Big Dry Creek planning study project; and

WHEREAS, the Board previously authorized participation with SESMWA and the City of Greenwood Village (hereinafter SPONSORS) in the identification of solutions to stormwater drainage and flood control management problems for the Big Dry Creek mainstem (Exhibit A) leading to a master plan (Resolution No. 26, Series of 2013); and

WHEREAS, SEMSWA has requested expanding the scope of the study to include identification of solutions to stormwater drainage and flood control management problems for Fillmore Tributary, Otero Tributary and Nobles Road Tributary.

WHEREAS, DISTRICT and SPONSORS agree that increasing the project budget by \$50,000 (\$10,000 DISTRICT) is both appropriate and necessary; and

WHEREAS, the Board has previously established a Work Program for 2015 (Resolution No. 51, Series of 2014) which includes master planning.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 26, Series of 2013, Paragraph 3, is further amended as follows: "The expenditures for the consulting and mapping services are estimated at ~~\$250,000~~ **\$300,000** and the District's share of total costs shall not exceed ~~\$150,000~~ **\$160,000** plus interest earned on monies deposited in the project fund which contribution for the planning portion of this project shall be matched by the Southeast Metro Stormwater Authority and the City of Greenwood Village."
2. All other conditions and authorizations remain as stated in Resolution No. 26, Series of 2013.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 09, SERIES OF 2015

(Additional Authorization for a Planning Study of Big Dry Creek)

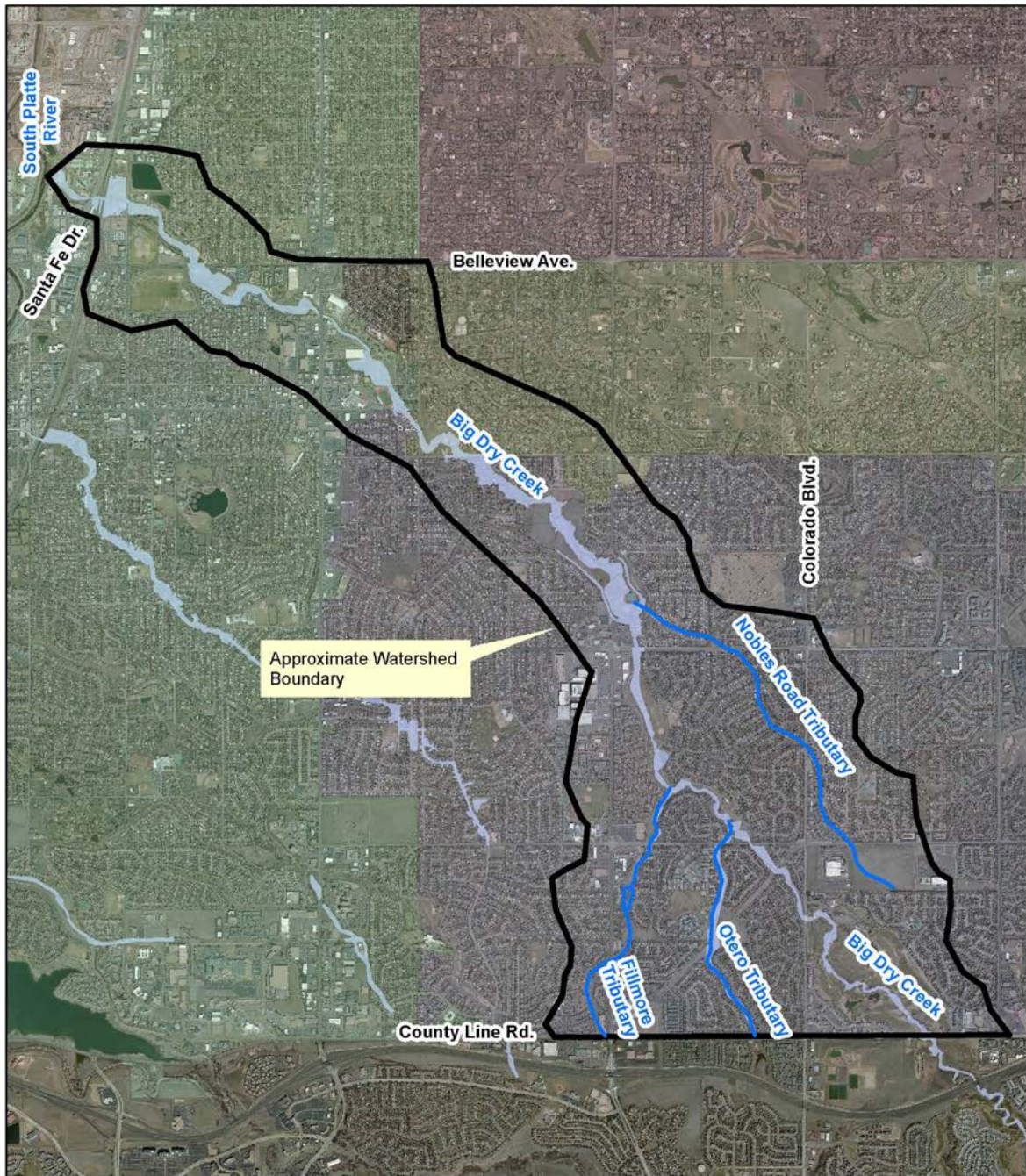
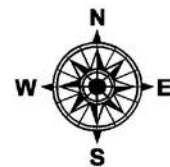


EXHIBIT A
Big Dry Creek MDP & FHAD
Approximate Study Area
March 2014



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 10, SERIES OF 2015
(Acceptance of Kalcevik Gulch Planning Study)

WHEREAS, the Board cooperated with Adams County and the City of Westminster in the preparation of a major drainageway planning study for Kalcevik Gulch (Resolution No. 73, Series of 2012); and

WHEREAS, the Executive Director executed an agreement for engineering services with the consulting firm Enginuity Engineering Solutions to conduct studies and prepare a major drainageway planning report for Kalcevik Gulch; and

WHEREAS, the District reviewed the alternatives presented by Enginuity Engineering Solutions and concurred with the need to complete the study based on an alternative selected in cooperation with Adams County and the City of Westminster; and

WHEREAS, Enginuity Engineering Solutions has completed the study and submitted to the District the report titled "Kalcevik Gulch Major Drainageway Plan," dated March 2015.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled "Kalcevik Gulch Major Drainageway Plan" dated March 2015, and recommends that all drainage, flood control and stormwater management infrastructure and practices recommended in the report be used to guide future drainage and flood control planning, land development, and design and construction of all such infrastructure within jurisdiction covered by said plan.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 10, SERIES OF 2015
(Acceptance of Kalcevik Gulch Planning Study)

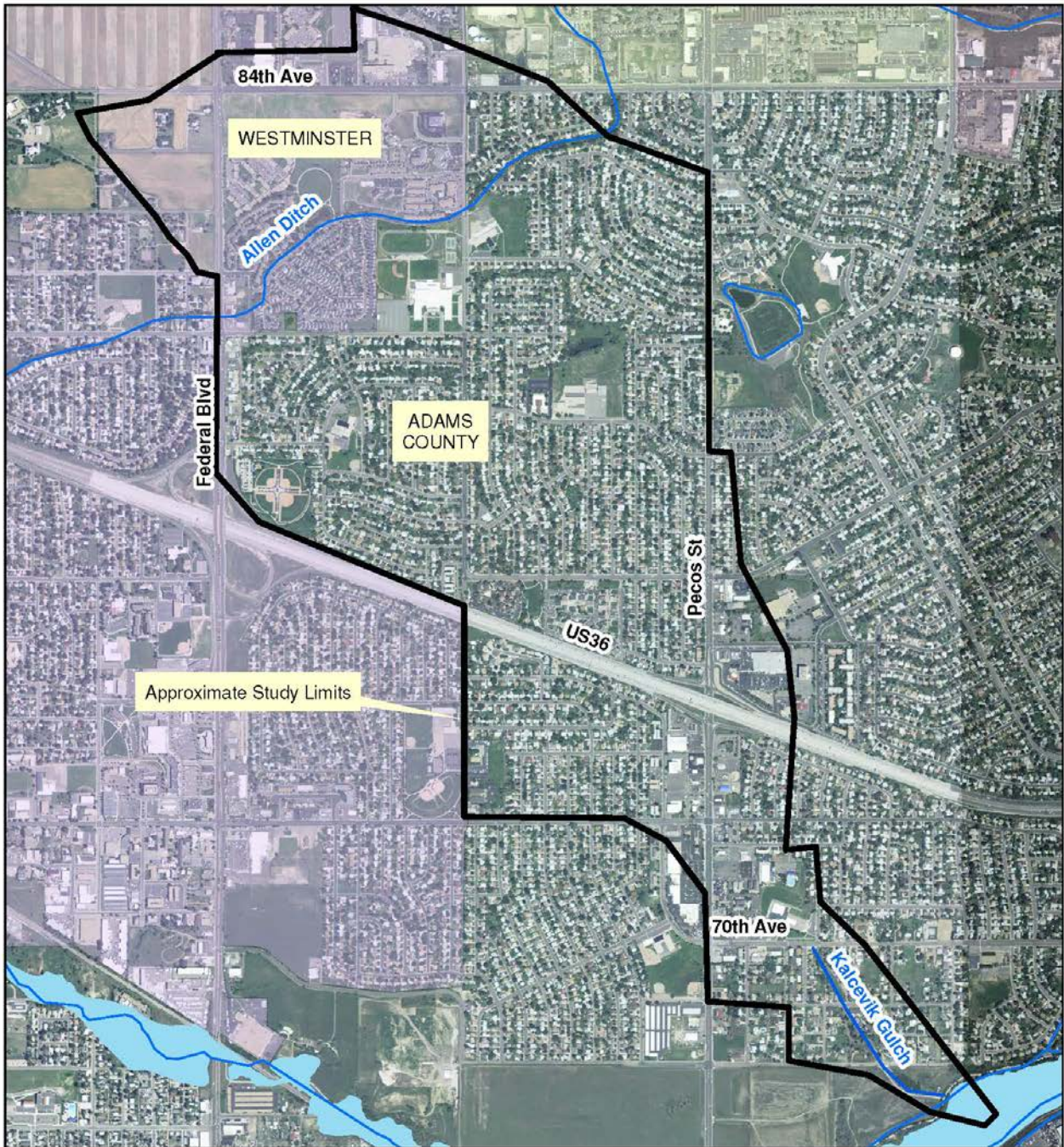
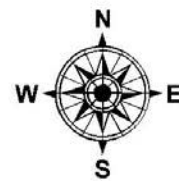


EXHIBIT A
KALCEVIK GULCH
Major Drainageway Plan Update
Approximate Study Limits
December 2012



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 11, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on North Outfall at Midland Street, City of Brighton, Adams County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Brighton has enacted floodplain regulations; and

WHEREAS, the City of Brighton and the District cooperated in the preparation of "Brighton Watershed Tributary to South Platte River Outfall Systems Planning," dated December 2006; and

WHEREAS, the Board previously authorized (Resolution No. 4, Series of 2006; Resolution No. 25, Series of 2008; Resolution No. 44, Series of 2010; Resolution No. 25, Series of 2011; and Resolution No. 11, Series of 2014) \$875,000 for design, acquisition of right-of-way, and construction of improvements along North Outfall at Midland Street (Exhibit A); and

WHEREAS, the City of Brighton and the District now desire to construct improvements along North Outfall at Midland Street; and

WHEREAS, the City of Brighton has estimated the additional project costs to be \$100,000 resulting in a revised total project cost of \$2,706,000 (\$975,000 District; \$1,731,000 City of Brighton); and

WHEREAS, the District's additional participation being authorized by this resolution is \$100,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along North Outfall at Midland Street; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along North Outfall at Midland Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 4, Series of 2006, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the North Outfall at Midland Street project without prior approval of the Board shall be ~~\$875,000~~ **\$975,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Brighton.
2. All other conditions and authorizations remain as stated in Resolution No. 4, Series of 2006.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 11, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on North Outfall at Midland Street, City of Brighton, Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 12, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on School Tributary Upstream of Colorado Boulevard, City of Thornton, Adams County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Thornton has enacted floodplain regulations; and

WHEREAS, the City of Thornton and the District cooperated in the preparation of "Basin 4100 and Direct Flow Area 0056 Outfall Systems Planning Study Preliminary Design Report," dated July 2002; and

WHEREAS, the City of Thornton has requested District participation in the design, acquisition of right-of-way, and construction of improvements along School Tributary upstream of Colorado Boulevard (Exhibit A); and

WHEREAS, the City of Thornton has estimated the total project costs to be \$200,000; and

WHEREAS, the District's participation being authorized by this resolution is \$100,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along School Tributary upstream of Colorado Boulevard; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements along School Tributary upstream of Colorado Boulevard were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City of Thornton for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on School Tributary upstream of Colorado Boulevard.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary, for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on School Tributary Upstream of Colorado Boulevard.
3. The District's maximum contribution to the School Tributary upstream of Colorado Boulevard project, without prior approval of the Board, shall be \$100,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Thornton.
4. Such approval for expenditure of District funds is contingent upon the City of Thornton agreeing to regulate and control any defined floodplain in the School Tributary upstream of Colorado Boulevard project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 12, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on School Tributary Upstream of Colorado Boulevard, City of Thornton, Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 13, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on City Park Drainageway, Lower Reach, City of Westminster, Adams County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City and County of Broomfield and the City of Westminster have enacted floodplain regulations; and

WHEREAS, the City and County of Broomfield, the City of Westminster, and the District cooperated in the preparation of "City Park and 3207 Drainageways Outfall Systems Planning Study, Preliminary Design Report," dated June 2006; and

WHEREAS, the City and County of Broomfield and the City of Westminster have requested District participation in the design, acquisition of right-of-way, and construction of improvements along City Park Drainageway, Lower Reach in the City of Westminster (Exhibit A); and

WHEREAS, the City and County of Broomfield and the City of Westminster have estimated the total project costs to be \$1,200,000 (\$600,000 District; \$300,000 City and County of Broomfield; \$300,000 City of Westminster); and

WHEREAS, the District's participation being authorized by this resolution is \$150,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along City Park Drainageway, Lower Reach in the City of Westminster; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements along City Park Drainageway, Lower Reach in the City of Westminster were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City and County of Broomfield and the City of Westminster for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on City Park Drainageway, Lower Reach in the City of Westminster.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on City Park Drainageway, Lower Reach in the City of Westminster.
3. The District's maximum contribution to the City Park Drainageway, Lower Reach in the City of Westminster project, without prior approval of the Board, shall be \$ 150,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City and County of Broomfield and the City of Westminster.
4. Such approval for expenditure of District funds is contingent upon the City and County of Broomfield and the City of Westminster agreeing to regulate and control any defined floodplain in the City Park Drainageway, Lower Reach in the City of Westminster project area in

accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District’s approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 13, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on City Park Drainageway, Lower Reach, City of Westminster, Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 14, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Cherry Creek at Arapahoe Road, Cities of Aurora, Centennial,
and Unincorporated Areas, Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Aurora, the Southeast Metro Stormwater Authority (SEMSWA), and Arapahoe County have enacted floodplain regulations; and

WHEREAS, the City of Centennial and Arapahoe County have assigned and transferred to SEMSWA, its rights and obligation for the Cherry Creek at Arapahoe Road project; and

WHEREAS, the Cities of Aurora and Centennial, Arapahoe County, and the District cooperated in the preparation of "Cherry Creek Corridor Reservoir to Scott Road Major Drainageway Planning Preliminary Design Report," dated January 2004; and

WHEREAS, the Board previously authorized (Resolution No. 5, Series of 2014; Resolution No. 6, Series of 2013; Resolution No. 55, Series of 2012; and Resolution 40, Series 2012) \$1,180,000 for design, acquisition of right-of-way, and construction of improvements along Cherry Creek at Arapahoe Road (Exhibit A); and

WHEREAS, the City of Aurora, the Cherry Creek Basin Water Quality Authority (CCBWQA), SEMSWA, and the District now desire to construct improvements along Cherry Creek at Arapahoe Road; and

WHEREAS, the District has estimated the additional project costs to be \$100,000 resulting in a revised total project cost of \$3,000,000 (\$1,230,000 District; \$900,000 CCBWQA; \$850,000 Aurora; \$20,000 SEMSWA); and

WHEREAS, the District's additional participation being authorized by this resolution is \$50,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget, (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Cherry Creek at Arapahoe Road; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Cherry Creek at Arapahoe Road were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 40, Series of 2012, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Cherry Creek at Arapahoe Road project without prior approval of the Board shall be ~~\$1,180,000~~ **\$1,230,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Aurora, SEMSWA, and CCBWQA."
2. All other conditions and authorizations remain as stated in Resolution No. 40, Series of 2012.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 14, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Cherry Creek at Arapahoe Road, Cities of Aurora, Centennial,
and Unincorporated Areas, Arapahoe County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 15, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street, City of Aurora, Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Aurora has enacted floodplain regulations; and

WHEREAS, the City of Aurora and the District cooperated in the preparation of the "Easterly Creek Outfall Systems Plan," dated December 2012; and

WHEREAS, the City of Aurora has requested District participation in the design, acquisition of right-of-way, and construction of improvements along Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street (Exhibit A); and

WHEREAS, the City of Aurora and the District have estimated the total project costs to be \$700,000; and

WHEREAS, the District's participation being authorized by this resolution is \$350,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to a public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements along Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City of Aurora for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street.
3. The District's maximum contribution to the Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street project, without prior approval of the Board, shall be \$350,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Aurora.
4. Such approval for expenditure of District funds is contingent upon the City of Aurora agreeing to regulate and control any defined floodplain in the Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 15, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street, City of Aurora, Arapahoe County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 16, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on First Creek Detention upstream of I-70, City of Aurora, Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Aurora has enacted floodplain regulations; and

WHEREAS, the City of Aurora, the City and County of Denver, and the District cooperated in the preparation of First Creek Major Drainageway Planning Study," dated September 2010; and

WHEREAS, the Board previously authorized (Resolution No. 18, Series 2014; Resolution No. 34, Series 2013; Resolution No. 32, Series of 2012; Resolution No. 18, Series of 2011; Resolution No. 50, Series of 2010; and Resolution No. 58, Series of 2009) \$1,849,000 for design, acquisition of right-of-way, and construction of improvements along First Creek Detention upstream of I-70 (Exhibit A); and

WHEREAS, the City of Aurora and the District now desire to construct improvements along First Creek Detention upstream of I-70; and

WHEREAS, the City of Aurora and the District have estimated the additional project costs to be \$400,000 resulting in a revised total project cost of \$4,098,000 (\$2,049,000 District; \$2,049,000 City of Aurora); and

WHEREAS, the District's additional participation being authorized by this resolution is \$200,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along First Creek Detention upstream of I-70; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along First Creek Detention upstream of I-70 were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 58, Series of 2009, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the First Creek Detention upstream of I-70 project without prior approval of the Board shall be ~~\$1,849,000~~ **\$2,049,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Aurora."
2. All other conditions and authorizations remain as stated in Resolution No. 58, Series of 2009.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

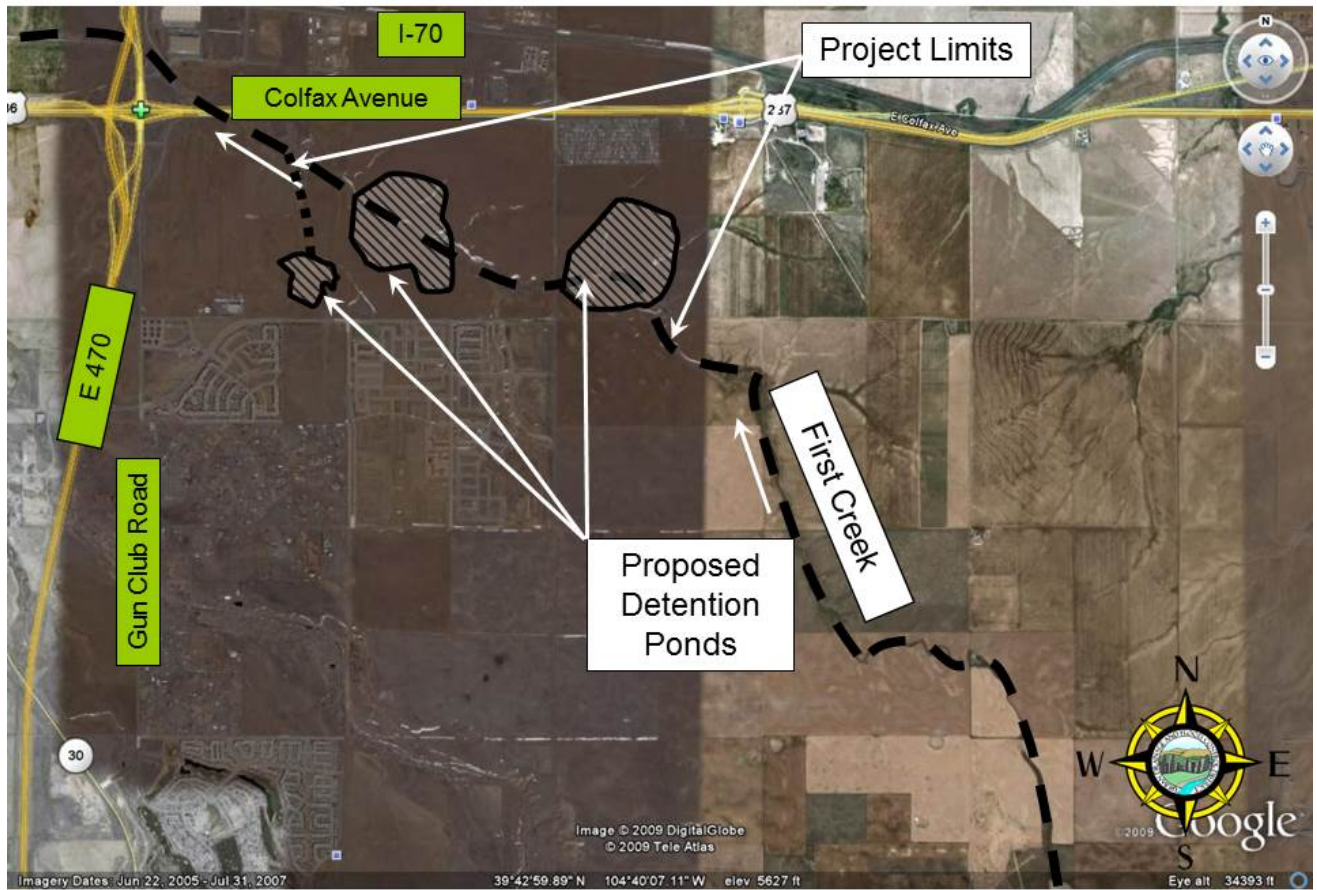
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 16, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on First Creek Detention upstream of I-70, City of Aurora, Arapahoe County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 17, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Sand Creek Trail at Smith Road, City and County of Denver)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City and County of Denver has enacted floodplain regulations; and

WHEREAS, the City and County of Denver and the District cooperated in the preparation of the "Stormwater Outfall Systems Plan Stapleton Area," dated July 1995; and

WHEREAS, the City and County of Denver has requested District participation in the design, acquisition of right-of-way, and construction of improvements along Sand Creek Trail at Smith Road (Exhibit A); and

WHEREAS, the City and County of Denver has estimated the total project costs to be \$50,000; and

WHEREAS, the District's participation being authorized by this resolution is \$25,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Sand Creek Trail at Smith Road; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the Sand Creek Trail improvements at Smith Road were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City and County of Denver for the design, acquisition of right-of-way, and construction of the Sand Creek Trail and maintenance path at Smith Road.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of the Sand Creek Trail at Smith Road.
3. The District's maximum contribution to the Sand Creek Trail at Smith Road project, without prior approval of the Board, shall be \$25,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City and County of Denver.
4. Such approval for expenditure of District funds is contingent upon the City and County of Denver agreeing to regulate and control any defined floodplain in the Sand Creek Trail at Smith Road project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 17, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Sand Creek Trail at Smith Road, City and County of Denver)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 18, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
at Crown Point Detention on Cottonwood Creek at E-470,
Town of Parker, Douglas County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the Town of Parker has enacted floodplain regulations; and

WHEREAS, the Town of Parker and the District cooperated in the preparation of the "Cottonwood Area of Parker Outfall Systems Planning Preliminary Design Report," dated April 2001; and

WHEREAS, the Town of Parker has requested District participation in the design and construction of improvements at Crown Point Detention along Cottonwood Creek at E-470 (Exhibit A); and

WHEREAS, the Town of Parker has estimated the total project costs to be \$400,000; and

WHEREAS, the District's participation being authorized by this resolution is \$200,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements at Crown Point Detention on Cottonwood Creek at E-470; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements at Crown Point Detention on Cottonwood Creek at E-470 were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the Town of Parker for the design, acquisition of right-of-way, and construction of drainage and flood control improvements at Crown Point Detention on Cottonwood Creek at E-470.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements at Crown Point Detention on Cottonwood Creek at E-470.
3. The District's maximum contribution to the Crown Point Detention on Cottonwood Creek at E-470 project, without prior approval of the Board, shall be \$200,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the Town of Parker.
4. Such approval for expenditure of District funds is contingent upon the Town of Parker agreeing to regulate and control any defined floodplain in the Crown Point Detention on Cottonwood Creek at E-470 project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

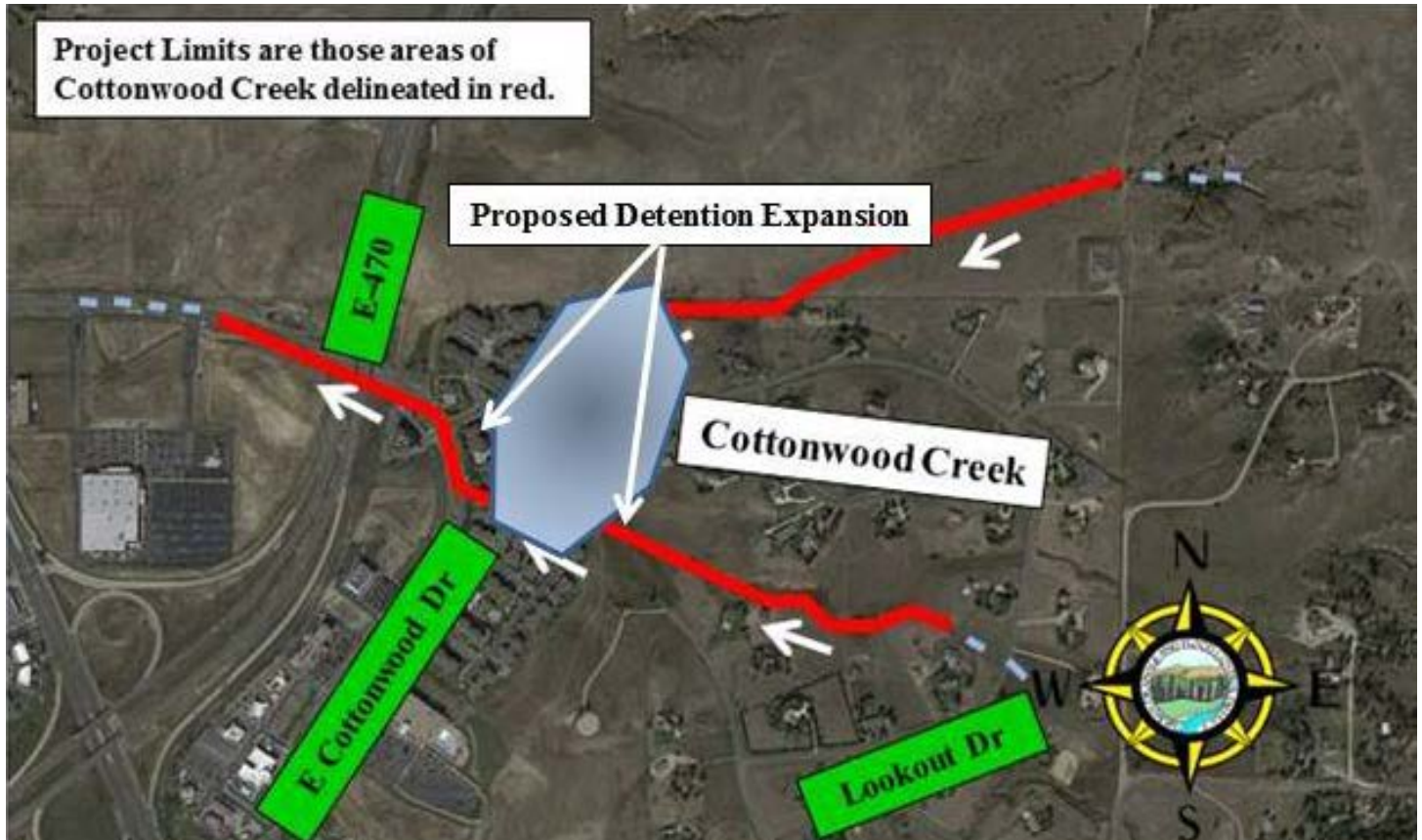
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 18, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
at Crown Point Detention on Cottonwood Creek at E-470,
Town of Parker, Douglas County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 19, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Cherry Creek at Norton Farms, Town of Parker, Douglas County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the Town of Parker has enacted floodplain regulations; and

WHEREAS, Arapahoe and Douglas Counties, the Cities of Aurora and Centennial, the Town of Parker, and the District cooperated in the preparation of the "Cherry Creek Reservoir to Scott Road Major Drainageway Planning Preliminary Report," dated January 2004; and

WHEREAS, the Board previously authorized (Resolution No. 9, Series of 2013 and Resolution No. 29, Series of 2014) \$220,000 for design, acquisition of right-of-way, and construction of improvements along Cherry Creek at Norton Farms in the Town of Parker (Exhibit A); and

WHEREAS, the Town of Parker, the Cherry Creek Basin Water Quality Authority (CCBWQA), and the District now desire to construct improvements along Cherry Creek at Norton Farms in the Town of Parker; and

WHEREAS, the Town of Parker has estimated the additional project costs to be \$270,000 resulting in a revised total project cost of \$985,000 (\$415,000 District; \$315,000 Town of Parker; \$255,000 CCBWQA); and

WHEREAS, the District's additional participation being authorized by this resolution is \$195,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Cherry Creek at Norton Farms in the Town of Parker; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Cherry Creek at Norton Farms in the Town of Parker were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 9, Series of 2013, Paragraph 3, is amended as follows:
"The District's maximum contribution to the Cherry Creek at Norton Farms in the Town of Parker project without prior approval of the Board shall be ~~\$220,000~~ **\$415,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the Town of Parker and the Cherry Creek Basin Water Quality Authority."
2. All other conditions and authorizations remain as stated in Resolution No. 9, Series of 2013.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

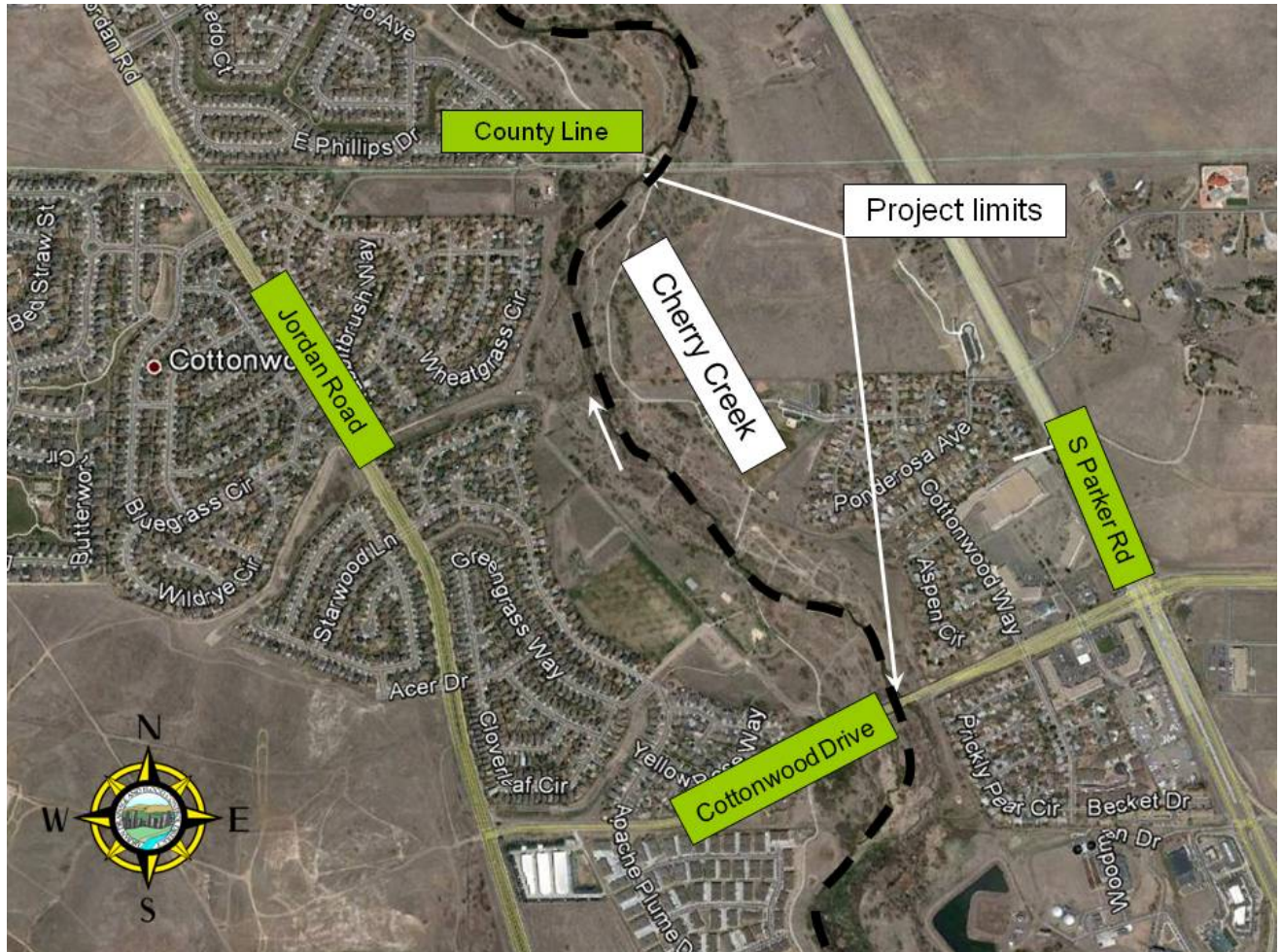
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 19, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Cherry Creek at Norton Farms, Town of Parker, Douglas County)

EXHIBIT A





URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

BOARD OF DIRECTORS MEETING

Date: Thursday, April 16, 2015

Time: 1:00 pm

Catered Lunch – 12:15 pm

How the District Works – 12:45 – 1:00 pm

1. **Call to Order and Pledge of Allegiance – 1:00 pm**
2. **Roll Call – Determination of Quorum**
3. **Introductions**
 - a. Visitors/Guests/Staff
 - b. Awards/Recognitions
4. **Final 2014 Audit – Discussion**
 - a. Mark Elmshauser, CPA, CliftonLarsonAllen, LLP
 - b. Acceptance of 2014 Audit Report
(Resolution No. 20, Series 2015)
5. **Approval of March 19, 2015 Meeting Minutes** *(If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”)*
6. **Consent Agenda** *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*
 - a. Review of Cash Disbursements
 - b. Additional Authorization to Participate in Drainage and Flood Control Improvements on River North Outfall, City and County of Denver
(Resolution No. 21, Series of 2015)
 - c. Additional Authorization to Participate in Drainage and Flood Control Improvements on Westerly Creek from Kelly Road Dam to 14th Avenue, City and County of Denver
(Resolution No. 22, Series of 2015)
 - d. Additional Authorization to Participate in Drainage and Flood Control Improvements on Little Dry Creek from Lowell Boulevard to Federal Boulevard, City of Westminster, Adams County
(Resolution No. 23, Series of 2015)
 - e. Authorization to Participate in Drainage and Flood Control Improvements on Niver Creek Tributary L from Federal Boulevard to Pecos Street, City of Federal Heights, Adams County
(Resolution No. 24, Series of 2015)
 - f. Authorization to Participate in Drainage and Flood Control Improvements on Goldsmith Gulch West Tributary at Fair Avenue, City of Greenwood Village, Arapahoe County
(Resolution No. 25, Series of 2015)
 - g. Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial and Unincorporated Areas, Arapahoe County
(Resolution No. 26, Series of 2015)
 - h. Additional Authorization to Participate in Drainage and Flood Control Improvements on Big Dry Creek at Cheese Ranch, Highlands Ranch Metro District, Douglas County
(Resolution No. 27, Series of 2015)
 - i. Authorization for a Planning Study of Third Creek
(Resolution No. 28, Series of 2015)

- j. Authorization for a Planning Study of First Creek Upstream of I-70
(Resolution No. 29, Series of 2015)
- k. Authorization for a Planning Study of Lee Gulch
(Resolution No. 30, Series of 2015)
- l. Flood Risk Communication and Awareness
(Resolution No. 31, Series of 2015)

7. Vote on Approval of the Consent Agenda *(Motion and roll call vote required)*

8. Reports/Discussion

- a. Executive Director's Report

9. Other Business

- a. Annual Seminar Debrief

10. Announcements

- a. Next Regularly Scheduled Meeting: **Thursday, May 21, 2015 (District Project Tour)**
- b. June Board Meeting Cancellation: **Thursday, June 18, 2015**

11. Adjournment



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT BOARD OF DIRECTORS

March 19, 2015

MINUTES

Members Present:

Herb Atchison, Mayor, City of Westminster
Bruce Beckman, Mayor Pro Tem, City of Littleton
Joyce Downing, Mayor, City of Northglenn
Mark Hunter, Engineer
Debi Hunter-Holen, Mayor Pro Tem, City of Aurora
Suzanne Jones, Mayor Pro Tem, City of Boulder
Paul Lopez, Council Member, City/County of Denver
Ken Lucas, Mayor Pro Tem, City of Centennial
Mark McGoff, Mayor Pro Tem, City of Arvada
Bonnie McNulty, Mayor, City of Edgewater
Dave Sellards, Engineer
Nancy Sharpe, Commissioner, Arapahoe County
Greg Stokes, Mayor Pro Tem, City/County of Broomfield
Mary Beth Susman, Council Member, City/County of Denver
Libby Szabo, Commissioner, Jefferson County
Heidi Williams, Mayor, City of Thornton

Members Absent:

Deb Gardner, Commissioner, Boulder County
Cary Kennedy, Deputy Mayor, City/County of Denver
Peggy Lehmann, Council Member, City/County of Denver
Bob Murphy, Mayor, City of Lakewood
Jill Repella, Commissioner, Douglas County
Charles (Chaz) Tedesco, Commissioner, Adams County

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Julia Bailey	Project Engineer, Information Services & Flood Warning
David Bennetts	Program Manager, Design, Construction, and Maintenance
Richard Borchardt	Project Manager, Design, Construction, and Maintenance
Barbara Chongtoua	Project Manager, Design, Construction, and Maintenance
Amelia Deleon	Human Resources and Administrative Services Manager
Terri Fead	Project Manager, Floodplain Management
Elliott Gordon	Student Intern, Design, Construction, and Maintenance
Bryan Kohlenberg	Project Manager, Design, Construction, and Maintenance
Ken MacKenzie	Program Manager, Master Planning
David Mallory	Program Manager, Floodplain Management
Teresa Patterson	Project Engineer, Floodplain Management
Holly Piza	Project Manager, Master Planning
Terri Schafer	Controller
David Skuodas	Project Manager, Design, Construction, and Maintenance
Kevin Stewart	Program Manager, Information Services & Flood Warning
Shea Thomas	Project Manager, Floodplain Management

Others Present:

Jim Kaiser, City of Thornton
Mark Elmshauser, CliftonLarsonAllen, LLP
John-Paul LeChevallier, CliftonLarsonAllen, LLP

How the Districts Works – Floodplain Preservation

Mr. Hindman conducted a presentation entitled, “Contracting for Services versus In-House,” for this month’s How the District Works presentation.

- 1. Call to Order and Pledge of Allegiance – 1:00 p.m.**
Councilman Lopez called the meeting to order at 1:00 p.m.
- 2. Introductions**
 - a. Swearing in of New Board Members**
The following individuals were sworn in as new board members by Mr. Ed Krisor:
 - Commissioner Libby Szabo, Jefferson County
 - Mayor Pro Tem Suzanne Jones, City of Boulder
 - b. Visitors/Guests/Staff**
Mr. Hindman introduced the following new staff members:
 - Elliott Gordon – Student Intern working part-time for the Design, Construction, and Maintenance Program.
 - c. Awards/Recognitions**
None.
- 3. Roll Call – Determination of Quorum**
Roll was called and a quorum was declared present.
- 4. Presentation of 2014 Audit - Discussion**
 - a. Mark Elmshauser, CPA, CliftonLarsonAllen, LLP**
Mr. Hindman introduced Mr. Mark Elmshauser and Mr. John-Paul LeChevallier with CliftonLarsonAllen, LLP, who provided a briefing on the 2014 audit report. Mark stated that he and John-Paul will attend the April Board Meeting to address any questions regarding the audit report. Electronic copies of the draft UDFCD 2014 Audit Report will be provided to the Board of Directors.
 - b. Annual legal summary**
Mr. Krisor presented the annual legal summary. Two weeks ago, the District, along with the Southeast Metro Stormwater Authority (SEMSWA), received a Colorado Governmental Immunity Act Notice from property owners at 24550 and 24360 East Colfax Avenue. The claimants stated in the Notice that they intend to seek injunctive relief due to increased stormwater problems claimed to have been caused by the City of Aurora’s upstream development, which it is alleged were approved by SEMSWA and UDFCD.

Mr. Krisor had UDFCD staff research the development plans that were reviewed by the District and determined that District’s Floodplain Manager had commented negatively after his review of the proposed plans.
- 5. Board Approval of February 2, 2015 Meeting Minutes** *(If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”)*
Councilman Lopez asked if there were any corrections to the February 2, 2015 minutes. Mayor Atchison identified an error in a Board Members title. The minutes stand approved as corrected.
- 6. Consent Agenda** *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*
 - a. Review of Cash Disbursements**
Cash Disbursement list, dated January and February 2015, had been distributed to the Board for review. There being no further comments or questions, it was the consensus of the Board to include approval of the Cash Disbursements on the Consent Agenda.
 - b. Additional Authorization for a Planning Study of Big Dry Creek (Resolution No. 09, Series of 2015)**
The Board previously authorized participation with SEMSWA and the City of Greenwood Village in a planning study leading to a Major Drainageway Plan and Flood

Hazard Area Delineation (FHAD) for the portion of Big Dry Creek downstream of County Line Road. There are three tributaries to Big Dry Creek within the study area: Fillmore Tributary, Otero Tributary, and Nobles Road Tributary. All three tributaries are within SEMSWA's jurisdiction. SEMSWA requested adding the tributaries to the master plan and FHAD scope and has committed to providing a majority of the additional funding required to cover the additional work.

The original study costs were projected to be \$200,000 for the MDP (\$100,000 local sponsors; \$100,000 UDFCD) and \$50,000 (UDFCD) for the FHAD. The additional study costs are projected to be \$50,000 (\$40,000 SEMSWA; \$10,000 UDFCD). The Resolution will authorize the additional expenditure of \$10,000 with the total District's share of the study not to exceed \$160,000 plus interest earned in the project's trust and agency account.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 09 on the Consent Agenda.

**c. Acceptance of Kalcevik Gulch Planning Study
(Resolution No. 10, Series of 2015)**

Resolution No. 73 of 2012 authorized a major drainageway planning study for Kalcevik Gulch, for which the District partnered with Adams County and the City of Westminster. Enginuity Engineering Solutions was selected to perform the study.

The watershed area is approximately two square miles in area. The Kalcevik Gulch watershed was previously studied by the District, culminating in the "Kalcevik Gulch Drainage Basin Planning Study" (Kiowa, 1988). Adams County requested an update to the previous MDP to address frequent flooding around the Scott Carpenter Middle School. The City of Westminster agreed to help fund the study with the goal of addressing frequent flooding problems on Apple Blossom Lane.

Improvements recommended in the study include:

- Regional detention in two locations to reduce peak flows downstream so existing infrastructure will convey the 100-year storm
- New and upsized storm sewer system to convey major storm flows to Clear Creek without flooding structures
- Regional water quality to provide treatment of runoff before it enters the creek

The total cost of improvements recommended in the study is around \$30 million, including contingencies. Resolution No. 10 accepts the report and recommends the improvements and practices in the report be used as a guide in future public works projects and in land development activities.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 10 on the Consent Agenda.

**d. Additional Authorization to Participate in Drainage and Flood Control
Improvements on North Outfall at Midland Street, City of Brighton, Adams County
(Resolution No. 11, Series of 2015)**

This is a joint project with the City of Brighton. The drainage elements of the project include installation of a new storm sewer up to 84 inches in diameter and excavation of a new outfall channel to the South Platte River.

The District is managing the design and construction of the project. Easement and right-of-way acquisition is included in the project costs. Construction of Phase II is anticipated in 2016. The District and the City of Brighton have identified \$2,706,000 in total project costs with the District's participation being \$975,000. The Board previously authorized (Resolution No. 4, Series of 2006; Resolution No. 25, Series of 2008; Resolution No. 44, Series of 2010; Resolution No. 25, Series of 2011; and Resolution No. 11, Series of 2014) \$875,000 for design, acquisition of right-of-way, and construction of improvements

It is anticipated that additional funds may be required for this project in the future. Resolution No. 11 authorizes an additional \$100,000 of District funds to be matched by the City of Brighton for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 11 on the Consent Agenda.

e. Authorization to Participate in Drainage and Flood Control Improvements on School Tributary Upstream of Colorado Boulevard, City of Thornton, Adams County (Resolution No. 12, Series of 2015)

This is a joint project with the City of Thornton. The City of Thornton desires to construct improvements along School Tributary Upstream of Colorado Boulevard. The project includes improvements to provide 100-year conveyance from upstream of Monroe Street to Colorado Boulevard.

The City of Thornton is administering the design with Merrick and Company and the District will be administering construction of the project which is anticipated in 2018. Easement and right-of-way acquisition will be included in the project costs. The District and the City of Thornton have identified \$200,000 in initial project costs with the District's participation being \$100,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future. Resolution No. 12 authorizes \$100,000 of District funds to be matched by the City of Thornton for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 12 on the Consent Agenda.

f. Authorization to Participate in Drainage and Flood Control Improvements on City Park Drainageway, Lower Reach, City of Westminster, Adams County (Resolution No. 13, Series of 2015)

This is a joint project with the City and County of Broomfield and the City of Westminster. The City and County of Broomfield and the City of Westminster desire to construct improvements along City Park Drainageway in the City of Westminster. The project includes channel improvements upstream and downstream of a previous District project completed in 2009 at Lowell Boulevard.

Easement and right-of-way acquisition will be included in the project costs. The District will be administering the design once a consulting engineering firm is selected and administering the construction. Construction is anticipated in 2017.

The District and the City and County of Broomfield have identified \$300,000 in initial project costs with the District's participation being \$150,000 in 2015 funds. It is anticipated that additional funds will be needed in the future. Resolution No. 13 authorizes \$150,000 of District funds to be matched by the City and County of Broomfield for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 13 on the Consent Agenda.

g. Additional Authorization to Participate in Drainage and Flood Control Improvements on Cherry Creek at Arapahoe Road, Cities of Aurora, Centennial, and Unincorporated Areas, Arapahoe County (Resolution No. 14, Series of 2015)

This is a joint project with the City of Aurora, the Cherry Creek Basin Water Quality Authority (CCBWQA), and SEMSWA.

The District is gathering funds for design, land acquisition, and construction of this \$13-\$15 million drainage project. The project includes stabilization and capacity improvements on Cherry Creek from the Confluence of Piney Creek to the north end of Eco Park. The project will be constructed in phases as funding is put in place. The drainage elements of the project include installation of drop structures and bank

protection. The District will be managing the design and construction of the project. Easement and right-of-way acquisition is included in the project costs. Construction of the next phase of the project is scheduled for 2017.

The District has identified \$3,000,000 in project costs with the District's participation being \$1,230,000. The Board previously authorized (Resolution No. 5, Series of 2014; Resolution No. 6, Series of 2013; Resolution No. 55, Series of 2012; and Resolution 40, Series 2012) \$1,180,000 for design, acquisition of right-of-way, and construction of improvements.

It is anticipated that additional funds may be required for this project in the future. Resolution No. 14 authorizes an additional \$50,000 of District funds to be matched by the City of Aurora, CCBWQA, and SEMSWA for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 14 on the Consent Agenda.

h. Authorization to Participate in Drainage and Flood Control Improvements on Easterly Creek Stormwater Pond at 1st Avenue and Kenton Street, City of Aurora, Arapahoe County (Resolution No. 15, Series of 2015)

This is a joint project with the City of Aurora. The City of Aurora desires to design, acquire right-of-way, and construct a stormwater pond on Easterly Creek at 1st Avenue and Kenton Street. The project includes construction of a detention basin, outlet structure, and spillway.

The District will be administering the design once a consulting engineering firm is selected. Easement and right-of-way acquisition will be included in the project costs. Construction is anticipated in 2018. The District and the City of Aurora have identified \$700,000 in initial project costs with the District's participation being \$350,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future. Resolution No. 15 authorizes \$350,000 of District funds to be matched by the City of Aurora for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 15 on the Consent Agenda.

i. Additional Authorization to Participate in Drainage and Flood Control Improvements on First Creek Detention Upstream of I-70, City of Aurora, Arapaho County (Resolution No. 16, Series of 2015)

This is a joint project with the City of Aurora. Merrick and Company is designing the project under contract with the District. The project includes installation of detention basins, outlet structures, and spillways. Easement and right-of-way acquisition is included in the project costs.

There are three basins shown in the master plan upstream of I-70 and all three basins are located on one property. The project is evaluating acquiring the property for all three basins and construction of one basin. Property negotiations continue and final design will be completed after property is acquired. Construction of the first detention basin is scheduled for 2017 pending property acquisition.

The City of Aurora and the District have identified \$4,098,000 in total project costs with the District's participation being \$2,049,000. The Board previously authorized (Resolution No. 18, Series 2014; Resolution No. 34, Series 2013; Resolution No. 32, Series of 2012; Resolution No. 18, Series of 2011; Resolution No. 50, Series of 2010; and Resolution No. 58, Series of 2009) \$1,849,000 for design, acquisition of right-of-way, and construction of improvements.

It is anticipated that additional funds may be required for this project in the future. Resolution No. 16 authorizes an additional \$200,000 of District funds to be matched by the City of Aurora for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 16 on the Consent Agenda.

j. Authorization to Participate in Drainage and Flood Control Improvements on Sand Creek Trail at Smith Road, City and County of Denver (Resolution No. 17, Series of 2015)

This is a joint project with the City and County of Denver. The City and County of Denver desires to design, acquire right-of-way, and construct improvements along Sand Creek Trail at Smith Road in the City and County of Denver. The project includes improvements to Sand Creek Trail at Smith Road. Easement and right-of-way acquisition will be included in the project costs. The City and County of Denver will be administering the design once a consulting engineering firm is selected. Construction is anticipated for 2016.

The District and the City and County of Denver have identified \$50,000 in project costs, with the District's participation being \$25,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future. Resolution No. 17 authorizes \$25,000 of District funds to be matched by the City and County of Denver for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 17 on the Consent Agenda.

k. Authorization to Participate in Drainage and Flood Control Improvements at Crown Point Detention on Cottonwood Creek at E-470, Town of Parker, Douglas County (Resolution No. 18, Series of 2015)

This is a joint project with the Town of Parker. The Town of Parker desires to design and construct improvements at Crown Point Detention on Cottonwood Creek at E-470. The project includes improvements at Crown Point Detention on Cottonwood Creek at E-470. The District will be administering the design once a consulting engineering firm is selected. The Town of Parker already holds the necessary easements and right-of-way. Construction is anticipated in 2016.

The District and the Town of Parker have identified \$400,000 in initial project costs with the District's participation being \$200,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future. Resolution No. 18 authorizes \$200,000 of District funds to be matched by the Town of Parker for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 18 on the Consent Agenda.

l. Additional Authorization to Participate in Drainage and Flood Control Improvements on Cherry Creek at Norton Farms, Town of Parker, Douglas County (Resolution No. 19, Series of 2015)

This is a joint project with the Town of Parker and CCBWQA. The drainage elements of the project include installation of drop structures and bank improvements. The District will manage the design and construction of the project. Easement and right-of-way acquisition is included in the project costs. Construction is anticipated in 2015.

The District, CCBWQA, and the Town of Parker have identified \$985,000 in total project costs with the District's participation being \$415,000. The Board previously authorized (Resolution No. 9, Series of 2013 and Resolution No. 29, Series of 2014) \$220,000 for design, acquisition of right-of-way, and construction of improvements. It is anticipated that additional funds may be required for this project in the future. Resolution No. 19 authorizes an additional \$195,000 of District funds to be matched by the Town of Parker and CCBWQA for the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 19 on the Consent Agenda.

7. Vote on Approval of the Consent Agenda (*Motion and roll call vote required*)

It was the consensus of the Board that Resolutions No. 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19, Series of 2015, and Cash Disbursements dated January and February 2015 be placed on the Consent Agenda. Mayor Atchison moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

8. Reports/Discussion

a. Executive Director's Report

The Executive Director's report (attached) was included in the meeting handouts. Mr. Hindman reviewed the report with the Board.

9. Other Business

a. Personal Rules and Procedures Committee

Mr. Hindman explained that the District's Personnel Rules and Procedures Manual will require updating to reflect changes in benefit language and employee categorizations, among other minor changes. Our policy is to have all changes to the Manual approved by our Board of Directors.

Mr. Hindman suggested that a committee be formed to review / approve any edits as opposed to bringing changes to the entire Board for review. A request for committee members was made and the following Board members volunteered their services:

1. Greg Stokes
2. Dave Sellards
3. Herb Atchison
4. Bonnie McNulty

10. Announcements

- a.** Annual Seminar: Tuesday, April 7, 2015
- b.** Next Regularly Scheduled Meeting: Thursday, April 16, 2015
- c.** District Project Tour: May 21, 2015

11. Adjournment

Executive Director's Report

March 19, 2015

ADMINISTRATIVE

We are getting closer to the implementation of our office remodel. I call it a remodel but it's just a build-out of a few additional offices to accommodate staff functions. Once build-outs are complete, a few of the staff will be moving and exchanging offices to help each program function better.

PROGRAM

Design, Construction, and Maintenance: With nine resolutions to present this month, it's easy to see that 2015 is still shaping up to be a busy year for the District.

Finance: As mentioned in February's meeting, we delayed the audit by one month. Presented today was the draft audit. Also as mentioned before, our old accounting and finance software is on its last legs. We are a just a couple of months away from transferring to our new software system. We anticipate going live in August or September of this year. No major bumps yet!

Seminar: Registrations for our annual seminar are coming in quickly! I also wanted to let the Board know that Mayor Downing will be giving some welcoming remarks to kick-off the seminar. All of you should have received an email invite for the conference. If you have questions or didn't get the invite, please give me a buzz.

STATE AND FEDERAL GOVERNMENT ADVOCACY

State and Local Government: Our stormwater detention bill got introduced last week being sponsored by Senator Sonnenberg and Representative Winter. If you would like to follow it, refer to **SB 15-212** at <http://www.leg.state.co.us/>. As part of the process, we have been meeting with the Colorado Water Congress weekly for a few weeks now and it appears they will vote on their position next Monday (March 23). We have hired Julie McKenna with Brandeberry McKenna Public Affairs, as our lobbyist. We are optimistic that we can get this piece of legislation passed this year so that local governments can continue to manage their stormwater as they always have without the threat of suits or administrative punishments.

Federal: The Waters of the U.S. final rule is proposed to come out in spring of 2015 (more likely late spring). EPA has received over 800,000 comments so it will be interesting to see what the final outcome will be. Whatever the ruling, I'm sure there will be lots of discussion and interpretation for many months to come. I'll keep the Board informed as the process proceeds.

PERSONAL

At the beginning of each year, Claudia and I plot out all our trips for the year. As usual, we will be visiting our grandson in Stillwater, OK as much as possible, but we always pick some other crazy adventure to participate in too. The last two years, we biked across Kansas. This year, we're thinking a bike trip closer to home is in order. We did the Pedal the Plains in eastern Colorado three years ago, so we think we'll do it again. Hopefully this time we won't get rained and snowed on like we did three years ago.



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 20, SERIES OF 2015
(Acceptance of 2014 Audit Report)

WHEREAS, the enabling legislation of the District (32-11-801 C.R.S.) requires that an annual audit be made pertaining to the financial affairs of the District; and

WHEREAS, CliftonLarsonAllen LLP, Certified Public Accountants and Consultants, were retained to audit the financial records of the District for the year ending December 31, 2014; and

WHEREAS, CliftonLarsonAllen LLP, Certified Public Accountants and Consultants, completed the audit and delivered and presented same to the Board at their annual meeting on February 02, 2015; and

WHEREAS, a copy of the audit report, entitled, "Urban Drainage and Flood Control District, Denver, Colorado, General Purpose Financial Statements, December 31, 2014" was provided to each Board member; and

WHEREAS, Board Members were asked to contact the CliftonLarsonAllen LLP or Executive Director regarding any questions on the audit report.

NOW, THEREFORE, BE IT RESOLVED THAT:

The audit report of the District's financial affairs for the year ending December 31, 2014 as prepared and presented by CliftonLarsonAllen, Certified Public Accountants and Consultants and entitled, "Urban Drainage and Flood Control District, Denver, Colorado, General Purpose Financial Statements, December 31, 2014" is accepted by the Board of Directors of the Urban Drainage and Flood Control District.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 21, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on River North Outfall, City and County of Denver)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City and County of Denver has enacted floodplain regulations; and

WHEREAS, the City and County of Denver and the District cooperated in the preparation of the "City and County of Denver Storm Drainage Master Plan," dated January 2009; and

WHEREAS, the Board previously authorized (Resolution No. 26, Series of 2014) \$625,000 for design, acquisition of right-of-way, and construction of improvements along River North Outfall from the South Platte River to Lafayette Street (Exhibit A); and

WHEREAS, the City and County of Denver and the District now desire to construct improvements along River North Outfall; and

WHEREAS, the City and County of Denver has estimated the additional drainage project costs to be \$2,370,000 resulting in a revised total drainage project cost of \$3,620,000 (\$1,810,000 District, \$1,810,000 City and County of Denver); and

WHEREAS, the District's additional participation being authorized by this resolution is \$1,185,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along River North Outfall; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along River North Outfall were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 26, Series of 2014, Paragraph 3, is amended as follows:
"The District's maximum contribution to the River North Outfall project without prior approval of the Board shall be ~~\$625,000~~ **\$1,810,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City and County of Denver."
2. All other conditions and authorizations remain as stated in Resolution No. 26, Series of 2014.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

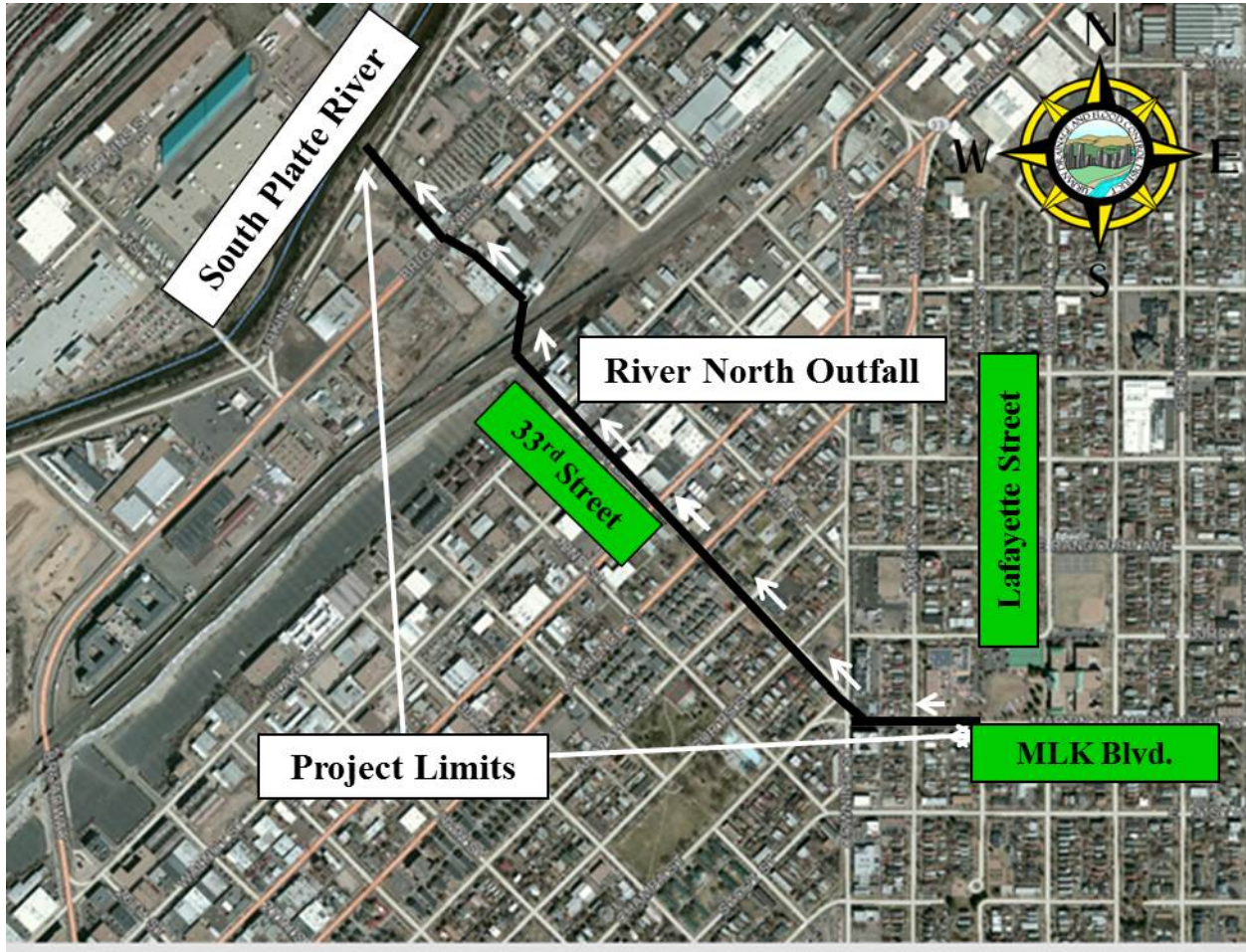
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 21, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on River North Outfall, City and County of Denver)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 22, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Westerly Creek from Kelly Road Dam to 14th Avenue, City and County of Denver)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City and County of Denver has enacted floodplain regulations; and

WHEREAS, the City and County of Denver and the District cooperated in the preparation of the "Westerly Creek Drainageway Update, Downstream of Westerly Creek Dam Major Drainageway Plan," dated December 2007; and

WHEREAS, the Board previously authorized, (Resolution No. 20, Series of 2014) \$250,000 for design, acquisition of right-of-way, and construction of improvements along Westerly Creek from Kelly Road Dam to 14th Avenue (Exhibit A); and

WHEREAS, the City and County of Denver and the District now desire to construct improvements along Westerly Creek from Kelly Road Dam to 14th Avenue; and

WHEREAS, the City and County of Denver has estimated the additional drainage project costs to be \$250,000 resulting in a revised total drainage project cost of \$1,250,000 (\$375,000 District; \$875,000 City and County of Denver); and

WHEREAS, the District's additional participation being authorized by this resolution is \$125,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Westerly Creek from Kelly Road to 14th Avenue; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan, (Resolution No. 52, Series of 2014) in which the improvements along Westerly Creek from Kelly Road to 14th Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 20, Series of 2014, Paragraph 3, is amended as follows:
"The District's maximum contribution to the Westerly Creek from Kelly Road Dam to 14th Avenue project without prior approval of the Board shall be ~~\$250,000~~ **\$375,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by City and County of Denver."
2. All other conditions and authorizations remain as stated in Resolution No. 20, Series of 2014.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 22, SERIES OF 2013

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Westerly Creek from Kelly Road Dam to 14th Avenue, City and County of Denver)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 23, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Little Dry Creek from Lowell Boulevard to Federal Boulevard, City of Westminster, Adams County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Westminster and Adams County have enacted floodplain regulations; and

WHEREAS, the City of Westminster, Adams County, and the District cooperated in the preparation of the "Little Dry Creek, Adams County Major Drainageway Planning Study," dated 1979; and

WHEREAS, the Board previously authorized (Resolution No. 54, Series of 2008; Resolution No. 20, Series of 2009; Resolution No. 12, Series of 2010; Resolution No. 43, Series of 2010; Resolution No. 21, Series of 2012; Resolution No. 65, Series of 2012; Resolution No. 37, Series of 2013; Resolution No. 63, Series of 2013; and Resolution No. 78, Series of 2014) \$2,175,000 for design, acquisition of right-of-way, and construction of improvements along Little Dry Creek (Exhibit A); and

WHEREAS, the City of Westminster, Adams County, and the District now desire to construct improvements along Little Dry Creek; and

WHEREAS, the City of Westminster and Adams County have estimated the additional drainage project costs to be \$150,000 resulting in a revised total drainage project cost of \$6,500,000 (\$2,325,000 District, \$4,175,000 Westminster and Adams County); and

WHEREAS, the District's additional participation being authorized by this resolution is \$150,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Little Dry Creek from Lowell Boulevard to Federal Boulevard; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Little Dry Creek from Lowell Boulevard to Federal Boulevard were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 54, Series of 2008, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Little Dry Creek from Lowell Boulevard to Federal Boulevard project without prior approval of the Board shall be ~~\$2,175,000~~ **\$2,325,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by City of Westminster and Adams County."
2. All other conditions and authorizations remain as stated in Resolution No. 54, Series of 2008.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 23, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Little Dry Creek from Lowell Boulevard to Federal Boulevard, City of Westminster, Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 24, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Niver Creek Tributary L from Federal Boulevard to Pecos Street, City of Federal Heights, Adams County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973), expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Federal Heights has enacted floodplain regulations; and

WHEREAS, the City of Federal Heights and the District cooperated in the preparation of the “Extension of Niver Creek Major Drainageway Planning Study in Federal Heights Preliminary Design Report,” dated December 2000; and

WHEREAS, the City of Federal Heights has requested District participation in the design, acquisition of right-of-way, and construction of improvements along Niver Creek Tributary L from Federal Boulevard to Pecos Street (Exhibit A); and

WHEREAS, the City of Federal Heights has estimated the total drainage project costs to be \$60,000; and

WHEREAS, the District’s participation being authorized by this resolution is \$30,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Niver Creek Tributary L from Federal Boulevard to Pecos Street; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements along Niver Creek Tributary L from Federal Boulevard to Pecos Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City of Federal Heights for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Niver Creek Tributary L from Federal Boulevard to Pecos Street.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Niver Creek Tributary L from Federal Boulevard to Pecos Street.
3. The District’s maximum contribution to the Niver Creek Tributary L from Federal Boulevard to Pecos Street project, without prior approval of the Board, shall be \$30,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Federal Heights.
4. Such approval for expenditure of District funds is contingent upon the City of Federal Heights agreeing to regulate and control any defined floodplain in the Niver Creek Tributary L from Federal Boulevard to Pecos Street project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District’s approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

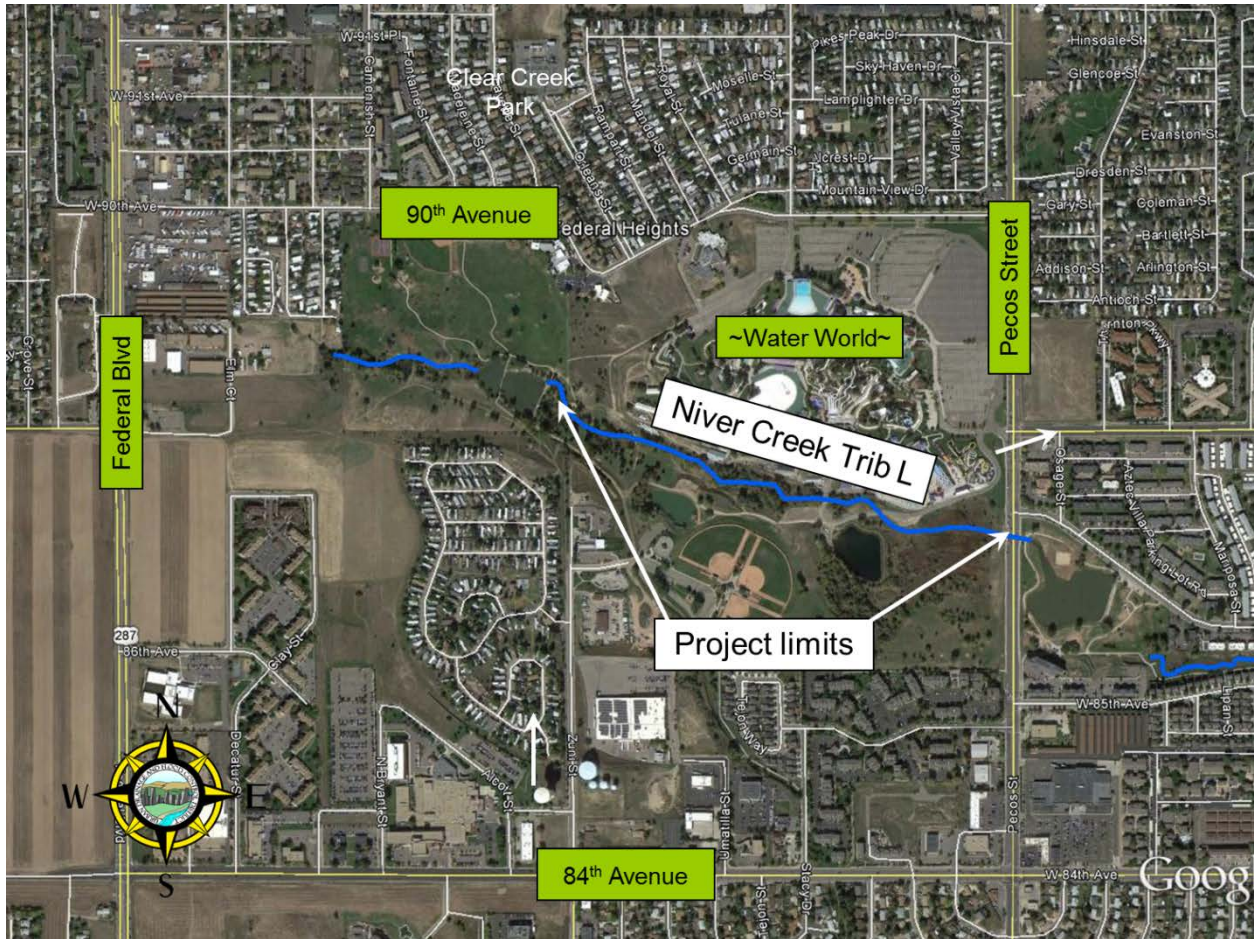
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 24, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Niver Creek Tributary L from Federal Boulevard to Pecos Street, City of Federal Heights, Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 25, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Goldsmith Gulch West Tributary at Fair Avenue, City of Greenwood Village, Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Greenwood Village has enacted floodplain regulations; and

WHEREAS, the City of Greenwood Village, Arapahoe County, and the District cooperated in the preparation of "Upper Goldsmith Gulch Outfall Systems Planning," dated November 2005; and

WHEREAS, the City of Greenwood Village has requested District participation in the design, acquisition of right-of-way, and construction of improvements along Goldsmith Gulch West Tributary at Fair Avenue (Exhibit A); and

WHEREAS, the City of Greenwood Village has estimated the total drainage project costs to be \$250,000; and

WHEREAS, the District's participation being authorized by this resolution is \$125,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Goldsmith Gulch West Tributary at Fair Avenue; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements along Goldsmith Gulch West Tributary at Fair Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City of Greenwood Village for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Goldsmith Gulch West Tributary at Fair Avenue.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Goldsmith Gulch West Tributary at Fair Avenue.
3. The District's maximum contribution to the Goldsmith Gulch West Tributary at Fair Avenue project, without prior approval of the Board, shall be \$125,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Greenwood Village.
4. Such approval for expenditure of District funds is contingent upon the City of Greenwood Village agreeing to regulate and control any defined floodplain in the Goldsmith Gulch West Tributary at Fair Avenue project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 25, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Goldsmith Gulch at Orchard Road, City of Greenwood Village, Arapahoe County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 26, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Piney Creek at Caley Drive, City of Centennial and Unincorporated Areas, Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Centennial and Arapahoe County have enacted floodplain regulations; and

WHEREAS, the City of Centennial and Arapahoe County have assigned and transferred to the Southeast Metro Stormwater Authority (SEMSWA) its rights and obligation for the Piney Creek at Caley Drive project; and

WHEREAS, SEMSWA, Douglas County and the District cooperated in the preparation of the "Piney Creek Major Drainageway Plan," dated February 2012; and

WHEREAS, the Board previously authorized (Resolution No. 40, Series of 2006; Resolution No. 57, Series of 2007; Resolution No. 69, Series of 2007; Resolution No. 7, Series of 2008; Resolution No. 11, Series 2009; Resolution No. 33, Series 2010; Resolution No. 66, Series 2010; Resolution No. 27, Series of 2011; Resolution No. 46, Series 2013; Resolution No. 23, Series 2014; and Resolution No. 28, Series 2014) \$2,683,000 for design, acquisition of right-of-way, and construction of improvements along Piney Creek at Caley Drive (Exhibit A); and

WHEREAS, SEMSWA, the Cherry Creek Basin Water Quality Authority (CCBWQA), and the District now desire to construct improvements along Piney Creek at Caley Drive; and

WHEREAS, SEMSWA, CCBWQA, and the District have estimated the additional drainage project costs to be \$1,175,000 resulting in a revised total drainage project cost of \$6,916,000 (\$3,258,000 District, \$3,108,000 SEMSWA, and \$550,000 CCBWQA); and

WHEREAS, the District's additional participation being authorized by this resolution is \$575,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Piney Creek at Caley Drive; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Piney Creek at Caley Drive were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 40, Series of 2006, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Piney Creek at Caley Drive project without prior approval of the Board shall be ~~\$2,683,000~~ **\$3,258,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by SEMSWA and CCBWQA."
2. All other conditions and authorizations remain as stated in Resolution No. 40, Series of 2006.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

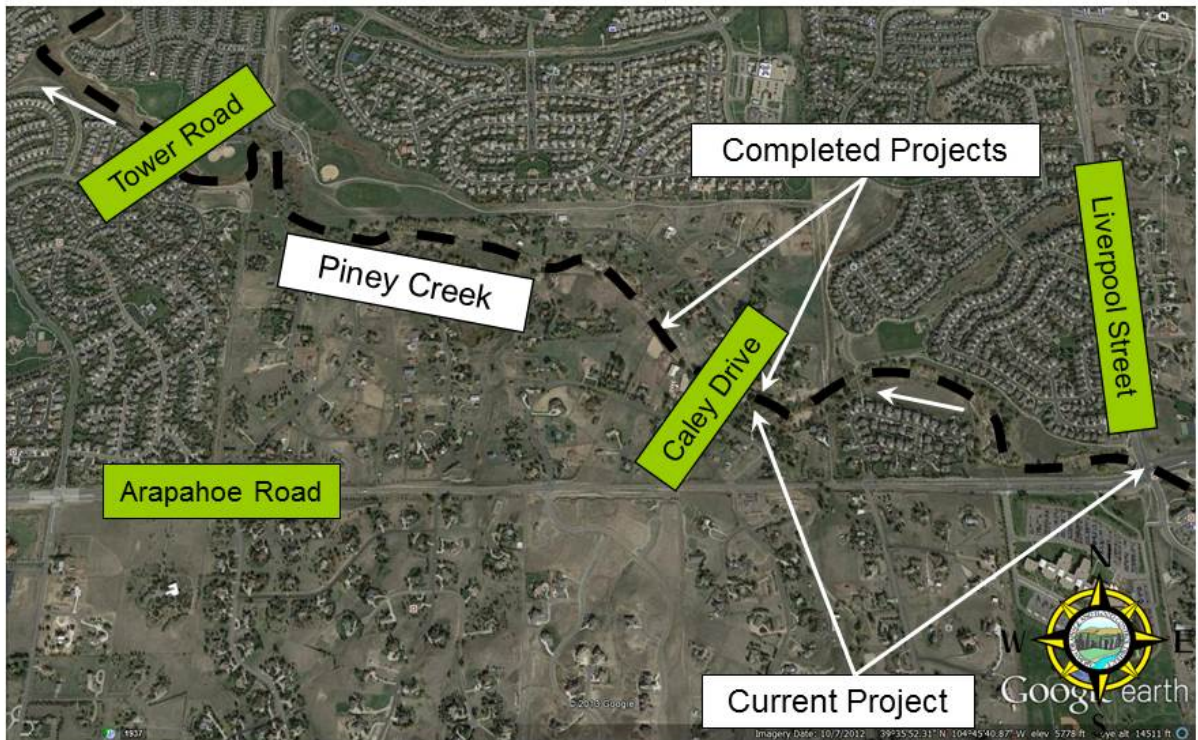
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 26, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial and Unincorporated Areas, Arapahoe County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 27, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Big Dry Creek at Cheese Ranch, Highlands Ranch Metro District, Douglas County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Douglas County has enacted floodplain regulations; and

WHEREAS, Douglas County and the District cooperated in the preparation of the "Big Dry Creek Arapahoe and Tributaries Master Drainageway Plan Phase B," dated 1998; and

WHEREAS, the Board previously authorized (Resolution No. 40, Series of 2014) \$365,000 for design, acquisition of right-of-way, and construction of improvements along Big Dry Creek at Cheese Ranch (Exhibit A); and

WHEREAS, the Highlands Ranch Metro District and the District now desire to construct improvements along Big Dry Creek at Cheese Ranch; and

WHEREAS, the Highlands Ranch Metro District has estimated the additional drainage project costs to be \$650,000 resulting in a revised total drainage project cost of \$1,380,000 (\$690,000 District; \$690,000 Highlands Ranch Metro District); and

WHEREAS, the District's additional participation being authorized by this resolution is \$325,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Big Dry Creek at Cheese Ranch; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Big Dry Creek at Cheese Ranch were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 40, Series of 2014, Paragraph 3, is amended as follows:
"The District's maximum contribution to the Big Dry Creek at Cheese Ranch project without prior approval of the Board shall be ~~\$365,000~~ **\$690,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the Highlands Ranch Metro District."
2. All other conditions and authorizations remain as stated in Resolution No. 40, Series of 2014.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

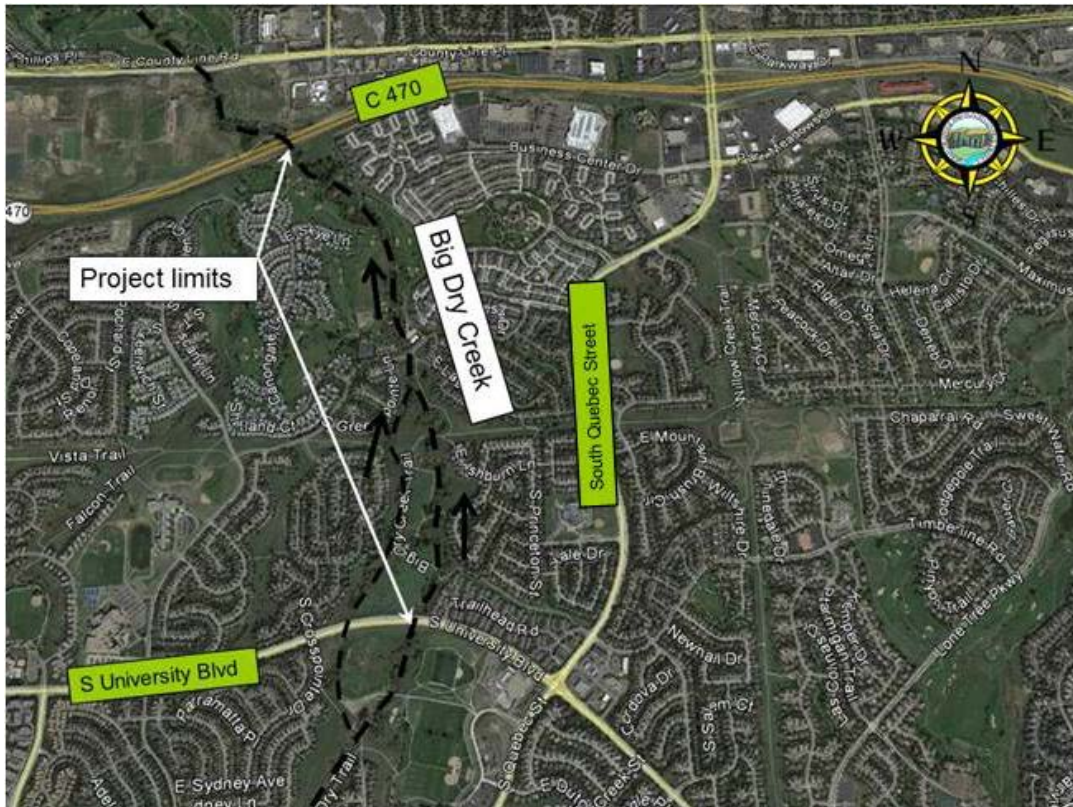
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 27, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Big Dry Creek at Cheese Ranch, Highlands Ranch Metro District, Douglas County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 28, SERIES OF 2015 (Authorization for a Planning Study of Third Creek)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Adams County, Commerce City, the City of Brighton, and the City of Aurora have enacted floodplain regulations; and

WHEREAS, the Board has previously established a Work Program for 2015 (Resolution No. 51, Series of 2014) which includes master planning; and

WHEREAS, the Board previously cooperated with the City of Aurora, Commerce City, Adams County, the City of Brighton, and the City and County of Denver to prepare the “Third Creek and Barr Lake Drainage Outfall Planning Study” report (Kiowa Engineering, 1990), and later with Commerce City, Adams County, and the City of Brighton to prepare the “Third Creek (Downstream of DIA) Outfall Systems Planning Study Update” (Kiowa Engineering, 2005);

WHEREAS, the City of Aurora, Commerce City, the City of Brighton, and Adams County have expressed a desire to participate in a study leading to a Major Drainageway Plan and an updated Flood Hazard Area Delineation (FHAD) for Third Creek; and

WHEREAS, the District wishes to cooperate with Douglas County in the identification of solutions to stormwater drainage and flood control management problems for Third Creek (Exhibit A); and

WHEREAS, the cost of engineering and mapping services for master planning is estimated to be \$250,000 and is expected to be divided among participating entities as follows:

	<u>Planning Study</u>	<u>FHAD</u>
District	\$100,000	\$50,000
Adams County	\$50,000	\$0
Commerce City	\$30,000	\$0
Brighton	\$15,000	\$0
<u>Aurora</u>	<u>\$5,000</u>	<u>\$0</u>
TOTAL	\$200,000	\$50,000

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with Adams County, Commerce City, the City of Brighton, and the City of Aurora to fund the required engineering and mapping services for the Third Creek planning study.
2. The Executive Director is authorized to procure any needed mapping and to execute a contract with a qualified engineer(s) for required engineering services.
3. The expenditures for the consulting and mapping services are estimated at \$250,000 and the District's share of total costs shall not exceed \$150,000 plus interest earned on monies deposited in the project fund which contribution for the planning portion of this project shall be matched by Adams County, Commerce City, the City of Brighton, and Adams County.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 28, SERIES OF 2015
(Authorization for a Planning Study of Third Creek)

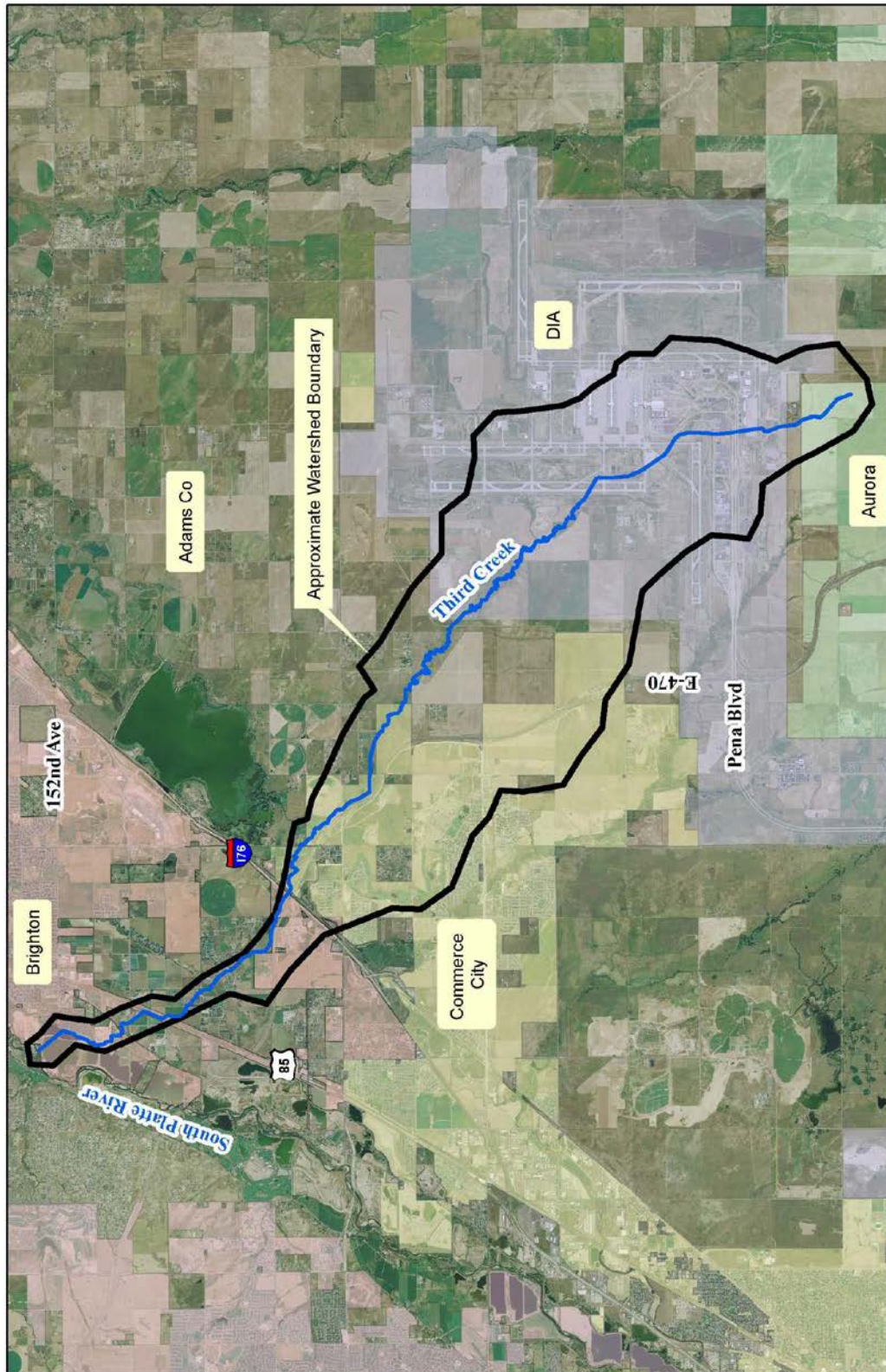


EXHIBIT A
Third Creek MDP & FHAD
Approximate Study Limits
March 2015

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 29, SERIES OF 2015

(Authorization for a Planning Study of First Creek Upstream of I-70)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Aurora and Arapahoe County have enacted floodplain regulations; and

WHEREAS, the City of Centennial and Arapahoe County have assigned and transferred to Southeast Metro Stormwater Authority (SEMSWA) their rights and obligations for the First Creek planning study project; and

WHEREAS, the Board has previously established a Work Program for 2015 (Resolution No. 51, Series of 2014) which includes master planning; and

WHEREAS, the City of Aurora and SEMSWA have expressed a desire to participate in a study leading to an outfall systems plan for First Creek upstream of I-70; and

WHEREAS, the District wishes to cooperate with the City of Aurora and SEMSWA in the identification of solutions to stormwater drainage and flood control management problems for First Creek (Exhibit A); and

WHEREAS, the cost of engineering and mapping services for master planning is estimated to be \$200,000 and is expected to be divided among participating entities as follows:

	<u>Planning Study</u>
District	\$100,000
Aurora	\$50,000
<u>SEMSWA</u>	<u>\$50,000</u>
TOTAL	\$200,000

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with the City of Aurora and the Southeast Metro Stormwater Authority (SEMSWA) to fund the required engineering and mapping services for the First Creek planning study.
2. The Executive Director is authorized to procure any needed mapping and to execute a contract with a qualified engineer(s) for required engineering services.
3. The expenditures for the consulting and mapping services are estimated at \$200,000 and the District's share of total costs shall not exceed \$100,000 plus interest earned on monies deposited in the project fund which contribution for the planning portion of this project shall be matched by the City of Aurora and SEMSWA.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 29, SERIES OF 2015

(Authorization for a Planning Study of First Creek Upstream of I-70)

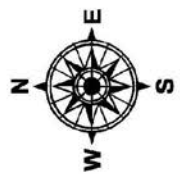
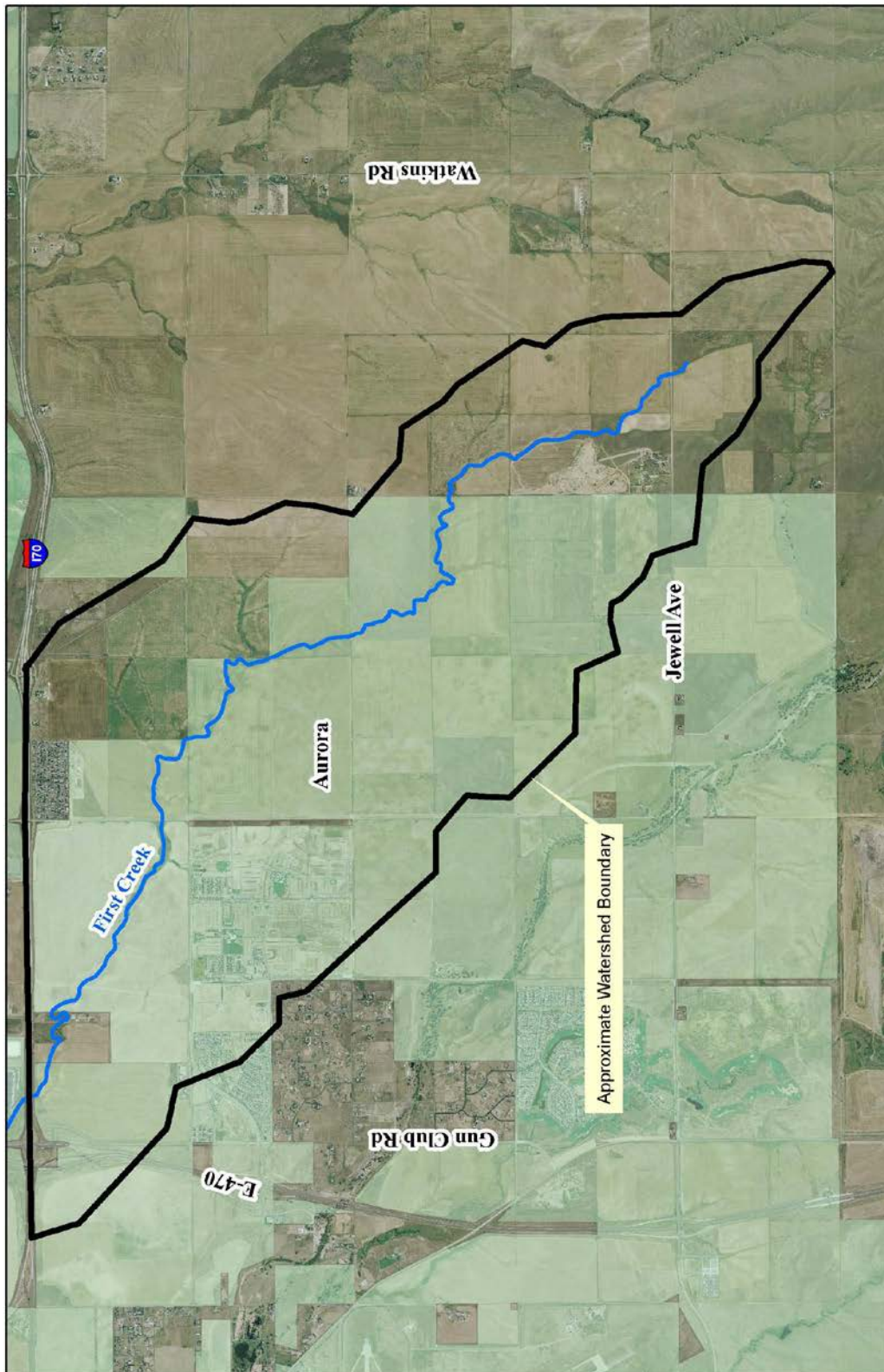


EXHIBIT A
First Creek OSP
Approximate Study Limits
March 2015

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 30, SERIES OF 2015 (Authorization for a Planning Study of Lee Gulch)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Centennial has enacted floodplain regulations; and

WHEREAS, the City of Centennial and Arapahoe County have assigned and transferred to Southeast Metro Stormwater Authority (SEMSWA) their rights and obligations for the Lee Gulch planning study project; and

WHEREAS, the Board has previously established a Work Program for 2015 (Resolution No. 51, Series of 2014) which includes master planning; and

WHEREAS, SEMSWA has expressed a desire to participate in a study leading to an alternatives analysis for Lee Gulch from Clarkson Street to the jurisdictional boundary and to fund the local share; and

WHEREAS, the District wishes to cooperate with SEMSWA in the identification of solutions to stormwater drainage and flood control management problems for Lee Gulch from Clarkson Street to the jurisdictional boundary (Exhibit A); and

WHEREAS, the cost of engineering and mapping services for master planning is estimated to be \$60,000 and is expected to be divided among participating entities as follows:

	<u>Planning Study</u>
District	\$30,000
<u>SEMSWA</u>	<u>\$30,000</u>
TOTAL	\$60,000

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with the Southeast Metro Stormwater Authority (SEMSWA) to fund the required engineering and mapping services for the Lee Gulch planning study.
2. The Executive Director is authorized to procure any needed mapping and to execute a contract with a qualified engineer(s) for required engineering services.
3. The expenditures for the consulting and mapping services are estimated at \$60,000 and the District's share of total costs shall not exceed \$30,000 plus interest earned on monies deposited in the project fund which contribution for the planning portion of this project shall be matched by SEMSWA.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 30, SERIES OF 2015
(Authorization for a Planning Study of Lee Gulch)

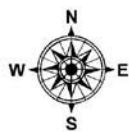


EXHIBIT A
Lee Gulch Alternatives Analysis
Approximate Study Limits
April 2015

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 31, SERIES OF 2015 (Flood Risk Communication & Awareness)

WHEREAS, the approaching months of May through September are the months when most floods occur in the Denver area; and

WHEREAS, many citizens within the District live and/or work in areas subject to flooding.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Board of Directors of the Urban Drainage and Flood Control District recommends that citizens of the District investigate the possibility of flood hazards existing at their place of residence or work.
2. The Board further recommends the following actions to those citizens who find they do live or work in a flood hazard area:
 - a) Know the extent and nature of the flood hazard.
 - b) Plan escape routes to high ground.
 - c) Buy flood insurance for their own structures and contents.
 - d) During times of heavy rainfall, watch the level of water in the drainageway and stay tuned to radio or television for possible flood warnings.
 - e) Evacuate the flood hazard area in times of impending flood.
3. The Board of Directors of the Urban Drainage and Flood Control District recommends that all local governments meet with their local emergency managers and alert them to the possible flood hazards in their area of responsibility and work out possible actions to be taken in the event of a flood. Communities are also encouraged to conduct flood response and recovery exercises.
4. The Board also reminds local governments of several significant aspects of the National Flood Insurance Program (NFIP): a) the amount of federal disaster assistance which is available for damaged public structures that are under-insured has been reduced, and local governments are encouraged to review their flood insurance coverages; b) federal disaster assistance will be reduced from a cost-share of 75-25 for facilities that are damaged more than once in a ten-year period by the same type of event and the facility owner has failed to implement appropriate mitigation measures; c) communities which have suffered repetitive losses are encouraged to develop a strategy that addresses those repetitive loss structures; and d) the NFIP regulations require that a structure which undergoes an improvement valued at 50% or greater of its value must be in conformance to NFIP floodplain regulations regardless of the cause of the improvements.
5. Local governments should be aware of funding which is available through FEMA for pre- and post-disaster mitigation planning and projects.
6. The District will send an Official Notice to the “occupant” of all addresses located in or adjacent to identified 100-year floodplains within the boundaries of the District.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

BOARD OF DIRECTORS MEETING

Date: Thursday, August 20, 2015

Time: 1:00 pm

Catered Lunch – 12:15 pm

How the District Works – 12:45 – 1:00 pm

1. **Call to Order and Pledge of Allegiance – 1:00 pm**
2. **Roll Call – Determination of Quorum**
3. **Introductions**
 - a. Swearing in of New Board Member
 - i. Councilman Paul Kashmann (City of Denver, District 6)
 - b. Visitors/Guests/Staff
 - c. Awards/Recognitions
4. **Approval of April 16, 2015 Meeting Minutes** *(If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”)*
5. **Consent Agenda** *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*
 - a. Review of Cash Disbursements
 - b. Acceptance of Big Dry Creek Planning Study
(Resolution No. 32, Series of 2015)
 - c. Additional Authorization to Participate in Drainage and Flood Control Improvements on Coal Creek Upstream of McCaslin Boulevard, Town of Superior, Boulder County
(Resolution No. 33, Series of 2015)
 - d. Additional Authorization to Participate in Drainage and Flood Control Improvements on Weir Gulch from Sheridan Boulevard to Hooker Street, City and County of Denver
(Resolution No. 34, Series of 2015)
 - e. Additional Authorization to Participate in Drainage and Flood Control Improvements on First Creek at East 56th Avenue, City and County of Denver
(Resolution No. 35, Series of 2015)
 - f. Additional Authorization to Participate in Drainage and Flood Control Improvements on Little Dry Creek at Tufts Avenue, City of Cherry Hills Village, Arapahoe County
(Resolution No. 36, Series of 2015)
 - g. Authorization to Participate in Drainage and Flood Control Improvements on Littles Creek at Gallup Street, City of Littleton, Arapahoe County
(Resolution No. 37, Series of 2015)
 - h. Additional Authorization to Participate in Drainage and Flood Control Improvements on Happy Canyon Creek at Interstate 25, Douglas County
(Resolution No. 38, Series of 2015)
 - i. Additional Authorization to Participate in Drainage and Flood Control Improvements on Fonder Draw at Lightening View Drive, Douglas County
(Resolution No. 39, Series of 2015)
 - j. Authorization to Participate in Drainage and Flood Control Improvements on Pond 12 Along Happy Canyon Creek at Monarch Boulevard, City of Castle Pines, Douglas County
(Resolution No. 40, Series of 2015)

6. **Vote on Approval of the Consent Agenda** *(Motion and roll call vote required)*
7. **Reports/Discussion**
 - a. Executive Director's Report
8. **Other Business**
 - a. Update Water Rights-Detention Legislation
9. **Announcements**
 - a. Next Regularly Scheduled Meeting: **Thursday, September 17, 2015**
10. **Adjournment**



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT BOARD OF DIRECTORS

April 16, 2015

MINUTES

Members Present:

Herb Atchison, Mayor, City of Westminster
Bruce Beckman, Mayor Pro Tem, City of Littleton
Joyce Downing, Mayor, City of Northglenn
Suzanne Jones, Mayor Pro Tem, City of Boulder
Peggy Lehmann, Council Member, City/County of Denver
Mark McGoff, Mayor Pro Tem, City of Arvada
Bonnie McNulty, Mayor, City of Edgewater
Bob Murphy, Mayor, City of Lakewood
Dave Sellards, Engineer
Greg Stokes, Mayor Pro Tem, City/County of Broomfield
Libby Szabo, Commissioner, Jefferson County
Charles (Chaz) Tedesco, Commissioner, Adams County
Heidi Williams, Mayor, City of Thornton

Members Absent:

Deb Gardner, Commissioner, Boulder County
Mark Hunter, Engineer
Debi Hunter-Holen, Mayor Pro Tem, City of Aurora
Cary Kennedy, Deputy Mayor, City/County of Denver
Paul Lopez, Council Member, City/County of Denver
Ken Lucas, Mayor Pro Tem, City of Centennial
Jill Repella, Commissioner, Douglas County
Nancy Sharpe, Commissioner, Arapahoe County
Mary Beth Susman, Council Member, City/County of Denver

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Julia Bailey	Project Engineer, Information Services & Flood Warning
David Bennetts	Program Manager, Design, Construction, and Maintenance
Amelia Deleon	Human Resources and Administrative Services Manager
Kecia Doke	Receptionist
Terri Fead	Project Manager, Floodplain Management
Bryan Kohlenberg	Project Manager, Design, Construction, and Maintenance
David Mallory	Program Manager, Floodplain Management
Teresa Patterson	Project Engineer, Floodplain Management
Holly Piza	Project Manager, Master Planning
Terri Schafer	Controller
David Skuodas	Project Manager, Design, Construction, and Maintenance
Shea Thomas	Project Manager, Floodplain Management

Others Present:

Mark Elmshauser, CliftonLarsonAllen, LLP

How the Districts Works – Floodplain Preservation

Mr. Hindman conducted a presentation entitled, “Restoring Beneficial Floodplain,” for this month’s How the District Works presentation.

- 1. Call to Order and Pledge of Allegiance – 1:00 p.m.**
Mayor Downing called the meeting to order at 1:00 p.m.

2. **Introductions**

a. **Visitors/Guests/Staff**

Mr. Hindman introduced the following new staff members:

- Kecia Doke – Part-time receptionist

b. **Awards/Recognitions**

Mr. Dave Bennetts stated that the District was presented with an honor award from the American Society of Landscape Architects for the Weir Gulch at Sun Valley project. This was a \$3.5 million dollar project with the City and County of Denver, with project goals that included stream restoration, parks and trail improvements, and improved flood conveyance.

3. **Roll Call – Determination of Quorum**

Roll was called and a quorum was declared present.

4. **Final 2014 Audit - Discussion**

a. **Mark Elmshauser, CPA, CliftonLarsonAllen, LLP
(Resolution No. 20, Series of 2014)**

The final UDFCD 2014 Audit Report was provided to the Board at the March Board Meeting and Mr. Mark Elmshauser with CliftonLarsonAllen, LLP was present to answer any questions about the audit report.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 20 on the Consent Agenda.

5. **Board Approval of March 19, 2015 Meeting Minutes** (*If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”*)

Mayor Downing asked if there were any corrections to the March 19, 2015 minutes. Hearing none, the minutes were approved as submitted.

6. **Consent Agenda** (*Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.*)

a. **Review of Cash Disbursements**

Cash Disbursement list, dated March and April 2015, had been distributed to the Board for review. There being no further comments or questions, it was the consensus of the Board to include approval of the Cash Disbursements on the Consent Agenda.

b. **Additional Authorization to Participate in Drainage and Flood Control Improvements on River North Outfall, City and County of Denver
(Resolution No. 21, Series of 2015)**

This is a joint project with the City and County of Denver. Muller Engineering Company, Inc. is designing the project under contract with the District. The drainage elements of the project include installation of bank protection and pipe outfall protection.

Easement and right-of-way acquisition is included in the project costs. The final design is now complete and the District and the City and County of Denver desire to construct the improvements which will be managed by the District. Construction is anticipated in 2016.

The District and the City and County of Denver have identified \$2,370,000 in total project costs with the District's participation being \$1,185,000. The previous authorization, Resolution No. 26, Series of 2014, totaled \$1,250,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 21 authorizes an additional \$1,185,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City and County of Denver for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 21 on the Consent Agenda.

c. Additional Authorization to Participate in Drainage and Flood Control Improvements on Westerly Creek from Kelly Road Dam to 14th Avenue, City and County of Denver (Resolution No. 22, Series of 2015)

This is a joint project with the City and County of Denver. Muller Engineering Company, Inc. designed the project under contract with the District. The drainage elements of the project include installation of bank and bed stabilization measures.

Easement and right-of-way acquisition is included in the project costs. The final design is ongoing and the District and the City and County of Denver desire to construct the improvements which will be managed by the District. Construction is scheduled for 2016.

The District and the City and County of Denver have identified \$1,250,000 in total project costs with the District's participation being \$375,000. The previous authorization, Resolution No. 20, Series of 2014, totaled \$250,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 22 authorizes an additional \$125,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City and County of Denver for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 22 on the Consent Agenda.

d. Additional Authorization to Participate in Drainage and Flood Control Improvements on Little Dry Creek from Lowell Boulevard to Federal Boulevard, City of Westminster, Adams County (Resolution No. 23, Series of 2015)

This is a joint project with the City and County of Denver. Muller Engineering Company, Inc. designed the project under contract with the District. The drainage elements of the project include installation of bank and bed stabilization measures.

Easement and right-of-way acquisition is included in the project costs. The final design is ongoing and the District and the City and County of Denver desire to construct the improvements which will be managed by the District. Construction is scheduled for 2016.

The District and the City and County of Denver have identified \$1,250,000 in total project costs with the District's participation being \$375,000. The previous authorization, Resolution No. 20, Series of 2014, totaled \$250,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 23 authorizes an additional \$125,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City and County of Denver for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

Commissioner Tedesco expressed concern over the study results, particularly concerning the downstream effects of this project. He expressed that Adams County has invested millions into this project and would like to make sure that the communities south of the project area are taken into consideration as they are some of the most underprivileged communities in the county. Commissioner Tedesco further stated that if the study identifies a problem downstream then it would be easier to mitigate them now.

Mr. Hindman mentioned that the study Commissioner Tedesco is referring to is the master planning effort for the entire basin. As a result of the initial findings of the master planning effort, as well as other current master planning efforts, the District is analyzing

our current hydrology software model to see if the method we are using is producing accurate numbers.

Mrs. Shea Thomas, Project Manager with our Master Planning Program, stated that the model we use to create the hydrology was developed in the 1970s. The intent was to calibrate it periodically and we've never done that. We are currently going through that effort.

Mr. Hindman mentioned that we've also had several meetings with Adams County and the City of Westminster on the project. We are all committed to making sure we come up with the best planning document.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 23 on the Consent Agenda.

**e. Authorization to Participate in Drainage and Flood Control Improvements on Niver Creek Tributary L from Federal Boulevard to Pecos Street, City of Federal Heights, Adams County
(Resolution No. 24, Series of 2015)**

This is a joint project with the City of Federal Heights. The City of Federal Heights desires to design, acquire right-of-way, and construct improvements along Niver Creek Tributary L from Federal Boulevard to Pecos Street in accordance with the "Extension of Niver Creek Major Drainageway Planning Study in Federal Heights Preliminary Design Report," dated December 2000. The project includes improvements to Niver Creek Tributary L from Federal Boulevard to Pecos Street. The District will be administering the design and construction once a consulting engineering firm is selected.

The City of Federal Heights already holds the necessary easements and right-of-way where the project will be carried out. Construction is anticipated in 2016. The District and the City of Federal Heights have identified \$60,000 in total project costs for the design, right-of-way acquisition, and construction with the District's initial participation being \$30,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 24 authorizes \$30,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Federal Heights for the design, acquisition of right-of-way, and construction of the drainage elements of the project

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 24 on the Consent Agenda.

**f. Authorization to Participate in Drainage and Flood Control Improvements on Goldsmith Gulch West Tributary at Fair Avenue, City of Greenwood Village, Arapahoe County
(Resolution No. 25, Series of 2015)**

This is a joint project with the City of Greenwood Village. The City of Greenwood Village desires to design, acquire right-of-way, and construct improvements along Goldsmith Gulch West Tributary at Fair Avenue in accordance with the "Upper Goldsmith Gulch Outfall Systems Planning," dated November 2005. The project includes channel improvements including drop structures and bank protection. Construction is anticipated in 2016.

Greenwood Village holds the necessary easements and right-of-way needed for the project, and will be administering the design with Muller Engineering Company, Inc. The District and the City of Greenwood Village have identified \$250,000 in initial project costs for the design, right-of-way acquisition, and partial funding of construction with the District's participation being \$125,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 25 authorizes \$125,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Greenwood Village for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 25 on the Consent Agenda.

g. Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial and Unincorporated Areas, Arapahoe County (Resolution No. 26, Series of 2015)

This is a joint project with Southeast Metro Stormwater Authority (SEMSWA) and the Cherry Creek Basin Water Quality Authority (CCBWQA). CH2M Hill is designing the project under contract with the District. The drainage elements of the project include installation of channel restoration including bank protection and drop structures.

Easement and right-of-way acquisition is included in the project costs. The final design is in progress and the District, SEMSWA, and CCBWQA desire to construct the improvements which will be managed by the District. Construction is anticipated in 2017.

The District, SEMSWA, and CCBWQA have identified \$6,916,000 in total project costs with the District's participation being \$3,258,000. The previous authorizations (Resolution No. 40, Series of 2006; Resolution No. 57, Series of 2007; Resolution No. 69, Series of 2007; Resolution No. 7, Series of 2008; Resolution No. 11, Series 2009; Resolution No. 33, Series 2010; Resolution No. 66, Series 2010; Resolution No. 27, Series of 2011; Resolution 46, Series 2013; and Resolution 23, Series 2014) totaled \$2,683,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 26 authorizes an additional \$575,000 of District funds from the Special Revenue Fund - Construction to at least be matched by SEMSWA and CCBWQA for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 26 on the Consent Agenda.

h. Additional Authorization to Participate in Drainage and Flood Control Improvements on Big Dry Creek at Cheese Ranch, Highlands Ranch Metro District, Douglas County (Resolution No. 27, Series of 2015)

This is a joint project with the Highlands Ranch Metro District. ICON Engineering, Inc. designed the project under contract with the District. The drainage elements of the project include installation of bank and bed stabilization measures.

Easement and right-of-way acquisition is included in the project costs. The District and the Highlands Ranch Metro District desire to construct the improvements that will be managed by the District. Construction is anticipated in 2016.

The District and the Highlands Ranch Metro District have identified \$1,380,000 in total project costs with the District's participation being \$690,000. The previous authorization, Resolution No. 40, Series of 2014, totaled \$365,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 27 authorizes an additional \$325,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the Highlands Ranch Metro District for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 27 on the Consent Agenda.

**i. Authorization for a Planning Study of Third Creek
(Resolution No. 28, Series of 2015)**

In 2011, Aurora requested a major drainageway plan and a flood hazard area delineation (FHAD) report for Third Creek upstream of Denver International Airport (DIA). DIA is completing an independent master plan on Third Creek through the airport property. In 2014, through conversations with new staff at Adams County, Commerce City, and Brighton, it was decided that a master plan update for Third Creek downstream of DIA is also needed. In an effort to have one continuous, consistent study for the entire creek, the scope was expanded to include all of Third Creek outside of DIA.

Previous UDFCD studies on Third Creek include “Third Creek and Barr Lake Drainage Outfall Planning Study” (Kiowa, 1990) and “Third Creek (Downstream of DIA) Outfall Systems Planning Study Update” (Kiowa, 2005).

Though recently updated in 2005, the primary recommendations in the most recent study include an engineered channel for the mainstem of Third Creek. This update will follow current practices by recommending floodplain preservation to the extent possible. There is anticipated development in the near future in the watershed and this master plan will help local governments to responsibly direct the developers with regards to stormwater and floodplain management.

The FHAD budget is set at \$50,000 and the master planning costs are projected to be \$200,000 with the local sponsors contributing \$100,000. Resolution NO. 28 authorized \$150,000 of District funds not to exceed \$150,000 plus interest earned in the project’s trust and agency account.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 28 on the Consent Agenda.

**j. Authorization for a Planning Study of First Creek Upstream of I-70
(Resolution No. 29, Series of 2015)**

In 2011, SEMSWA requested an outfall systems plan for First Creek upstream of I-70 and the City of Aurora agreed to participate as a funding sponsor.

In 2010, the District, in cooperation with the City and County of Denver and the City of Aurora, completed the “First Creek (Upstream of Buckley Road) Major Drainageway Plan” (Moser & Associates, 2010) which contained recommendations for the mainstem of First Creek. The First Creek watershed is very large and contains many tributaries to the creek. The land is currently undeveloped but comprehensive and zoning plans indicate substantial development in the future.

This study will provide recommendations for conveying stormwater from future development along tributaries to First Creek to the First Creek mainstem. Recommendations may include regional detention, channel capacity improvements, and regional water quality facilities. The report will help local governments to responsibly direct the developers with regards to stormwater and floodplain management.

The master planning costs are projected to be \$200,000 with the local sponsors contributing \$100,000. Resolution No. 29 authorizes \$100,000 of District funds plus interest earned in the project’s trust and agency account.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 29 on the Consent Agenda.

**k. Authorization for a Planning Study of Lee Gulch
(Resolution No. 30, Series of 2015)**

In 2012, SEMSWA requested a master plan update to Lee Gulch within Centennial's jurisdiction. Lee Gulch leaves Centennial and flows through the City of Littleton before discharging into the South Platte River. Littleton opted to not participate in this master plan update as their reach of Lee Gulch is well managed.

The hydrology for Lee Gulch was established in the "Lee Gulch Little Creek Major Drainageway Planning Report" (KKBNA Consulting, 1978) and will not be modified with this study.

There is a large amount of sediment deposition downstream within the study area. SEMSWA has spent a significant amount of money over the years maintaining the reach. This study will recommend improvements to the creek to alleviate the erosion and sedimentation.

The total master planning costs are projected to be \$60,000. Resolution No. 30 authorizes \$30,000 of District funds plus interest earned in the project's trust and agency account.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 30 on the Consent Agenda.

**l. Flood Risk Communication and Awareness
(Resolution No. 31, Series of 2015)**

The Flood Hazard Information flyer was provided to the Board for reference. The purpose of this annual resolution is to authorize the mailing of the brochure to all addresses located in or adjacent to the identified 100-year floodplain within the boundaries of the District.

Mr. David Mallory pointed out that this year's notice has been revamped with improved messaging to better inform the public of flood risks, recommends self-help actions, and even includes a QR code that directs you to the UDFCD floodplain map. The mailing database has been automated and restructured to a more community-based format. Last year, the brochure was sent out to over 30,000 addresses located in or near the 100-year floodplains; this year, we have 35,000 on our mailing list. This increase includes additional communities in Boulder and Jefferson counties.

The brochure format has been modified to reflect jurisdictional boundaries. This resulted in a reduction of brochures from 56 (last year) to 34 (this year). Mr. Mallory added that this brochure qualifies for 36 points under the community rating system. A higher CRS rating results in the reduction of flood insurance premiums and we have several communities that highly active in the community rating classifications.

Mayor Atchison mentioned that the Emergency Management Contact for the City of Westminster was incorrect.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 31 on the Consent Agenda.

7. Vote on Approval of the Consent Agenda (*Motion and roll call vote required*)

It was the consensus of the Board that Resolutions No. 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31, Series of 2015, and Cash Disbursements dated March and April 2015 be placed on the Consent Agenda. Mayor Williams moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

8. Reports/Discussion

a. Executive Director's Report

The Executive Director's report (attached) was included in the meeting handouts. Mr. Hindman reviewed the report with the Board.

9. Other Business

a. Annual Seminar Debrief

Last week, the District held its annual seminar with over 300 participants. Mayor Downing gave opening remarks and Mayor Pro-Tem Stokes and Mr. David Sellards were also in attendance. We received a lot of positive feedback from attendees on this year's content.

10. Announcements

a. Next Regularly Scheduled Meeting: Thursday, May 21, 2015 (District Project Tour)

Paul noted that next month's meeting will consist of a tour of several district projects. The route is still being formalized but we will send it out prior to the tour date. Paul reminded Board Members to be at the District by 11:30 am, the bus will be leaving our office at Noon and have everyone back by 3:00 pm.

b. June Board Meeting Cancellation: June 18, 2015

11. Adjournment

Executive Director's Report

April 16, 2015

ADMINISTRATIVE

You may have noticed as you came in today that there is a new face at the front reception area. **Kecia Doke** is our new part-time receptionist; she works 1:00 to 5:00, Monday through Friday. If you get a chance, please stop and introduce yourself!



PROGRAM

Design, Construction, and Maintenance: Last year, we implemented a pilot stream restoration program on selected streams in the City and County of Denver. This program is aimed toward allowing grasses to thrive in a natural environment, thereby promoting a healthier ecosystem. The results have been encouraging and we hope to implement this program on many more streams throughout the District. As we proceed, we will be working closely with local government representatives to inform the public of our efforts.

Finance: Last year, we moved a large portion of our investments to CSAFE and Colorado Trust. Between this transition as well as other investments, we are now averaging 44 basis points or 0.44%, which equates to an increase of over ¼ million per year. Those of you that have been on the Board for a while might recall that we once averaged only 3 to 6 basis points, so this is a huge increase!

Annual Seminar: Last week, we held our annual seminar with over 300 participants. Mayor Downing gave opening remarks which kicked off a full day of technical presentations. Mayor Pro-Tem Stokes and Dave Sellards were also in attendance. We got a lot of positive feedback with some attendees saying it was our best one yet.



STATE AND FEDERAL GOVERNMENT ADVOCACY

State and Local Government: Today, SB 15-212 is being heard in front of the Agricultural Committee at the State House. Ken MacKenzie and I have been spending a lot of time meeting with groups to help this vital piece of legislation move along. I'm hoping at next month's Board meeting, I can report to you that we have succeeded in protecting local governments from lawsuits pertaining to construction of dry detention basins used for public safety.

Federal: As we get closer to EPA's (and the Corps) rule concerning Waters of the U.S., the Senate is preparing a bill to force a re-proposal of the rule. Obviously, this is a hot issue for many and we will continue to keep a close eye on it.

PERSONAL

As we wrestle with a lot of important issues like water rights and Waters of the U.S., I got a post on Facebook of my grandson enjoying his first experience with the rain. He was so excited and started dancing around. It reminded me of just how close a connection humans have with water and how we, as public servants, need to protect this resource. We may not always agree on the method but it's important we stay committed to the cause. Enjoy your spring and don't be afraid to do a little "dancing in the rain" yourself.



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 32, SERIES OF 2015
(Acceptance of Big Dry Creek Planning Study)

WHEREAS, the Board cooperated with the Southeast Metro Stormwater Authority (SEMSWA), the City of Greenwood Village, and the City of Englewood in the preparation of a major drainageway planning study for Big Dry Creek tributaries downstream of County Line Road (Resolution No. 26, Series of 2013); and

WHEREAS, the Executive Director executed an agreement for engineering services with the consulting firm Ayres Associates, Inc. to conduct studies and prepare a major drainageway planning report for Big Dry Creek and tributaries downstream of County Line Road; and

WHEREAS, the District reviewed the alternatives presented by Ayres Associates, Inc. and concurred with the need to complete the study based on an alternative selected in cooperation with SEMSWA, the City of Greenwood Village, and the City of Englewood; and

WHEREAS, Ayres Associates, Inc. has completed the study and submitted to the District the report titled "Big Dry Creek (Downstream of County Line Road) Major Drainageway Plan," dated June 2015.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled "Big Dry Creek (Downstream of County Line Road) Major Drainageway Plan," dated June 2015, and recommends that all drainage; flood control; and stormwater management infrastructure and practices recommended in the report be used to guide future drainage and flood control planning, land development, and design and construction of all such infrastructure within jurisdiction covered by said plan.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 32, SERIES OF 2015
(Acceptance of Big Dry Creek Planning Study)

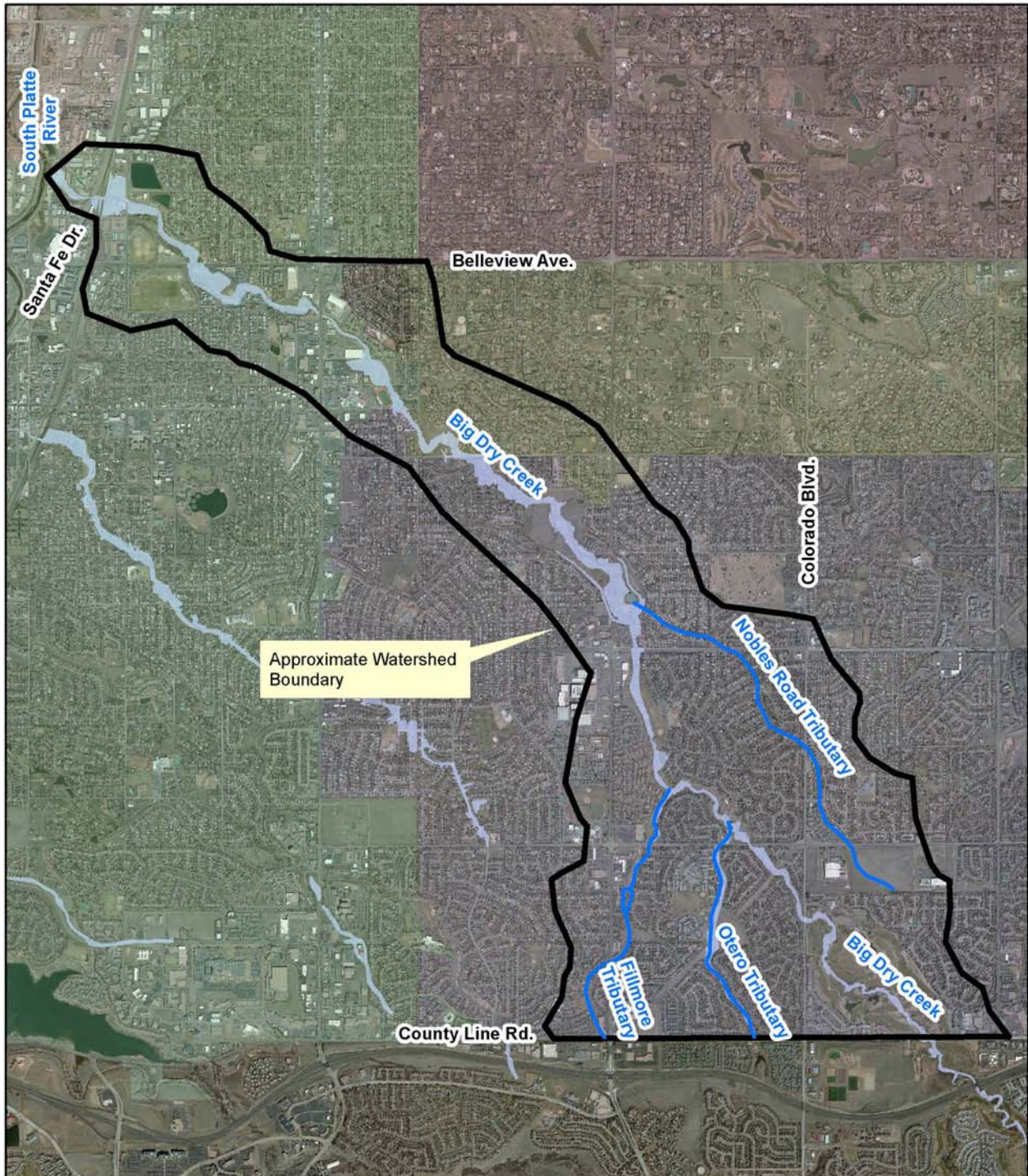
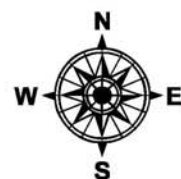


EXHIBIT A
Big Dry Creek MDP & FHAD
Approximate Study Area
March 2014



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 33, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Coal Creek Upstream of McCaslin Boulevard, Town of Superior, Boulder County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the Town of Superior has enacted floodplain regulations; and

WHEREAS, the Town of Superior and the District cooperated in the preparation of "Coal Creek (Through Town of Superior) Major Drainageway Planning Study," dated November 2006; and

WHEREAS, the Board previously authorized (Resolution No. 19, Series of 2009; Resolution No. 12, Series of 2014; and Resolution No. 7, Series of 2015) \$775,000 for design, acquisition of right-of-way, and construction of improvements along Coal Creek Upstream of McCaslin Boulevard (Exhibit A); and

WHEREAS, the Town of Superior and the District now desire to construct improvements along Coal Creek Upstream of McCaslin Boulevard; and

WHEREAS, the Town of Superior has estimated the additional drainage project costs to be \$50,000 resulting in a revised total drainage project cost of \$1,690,000 (\$825,000 District; \$865,000 Town of Superior); and

WHEREAS, the District's additional participation being authorized by this resolution is \$50,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Coal Creek Upstream of McCaslin Boulevard; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Coal Creek Upstream of McCaslin Boulevard were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 19, Series of 2009, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Coal Creek Upstream of McCaslin Boulevard project without prior approval of the Board shall be ~~\$775,000~~ **\$825,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the Town of Superior."
2. All other conditions and authorizations remain as stated in Resolution No. 19, Series of 2009.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

RESOLUTION NO. 33, SERIES OF 2015
(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Coal Creek Upstream of McCaslin Boulevard, Town of Superior, Boulder County)

This aerial map illustrates the project area within Clear Creek Park. A dashed black line delineates the 'Project limits' along the course of 'Coal Creek'. Key roads shown include Marshall Rd, Sycamore St, Center Dr, and Marshall Dr. A network of residential streets is visible, including Shawnee Ln, Fox Ln, Moravia St, Barcus St, 4th Ave, 3rd Ave, 2nd Ave, S 2nd Ave, S 3rd Ave, and Mayne St. The map also identifies 'Clear Creek Park', 'Coal Creek CV', and 'McCaslin Boulevard'. A compass rose in the bottom right corner indicates North (N), South (S), East (E), and West (W). A yellow box labeled 'HWY 36' is shown running diagonally across the right side of the map. A white arrow points from the 'Project limits' label to the creek, and another white arrow points from the 'Coal Creek' label to the creek.

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 34, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
On Weir Gulch from Sheridan Boulevard to Hooker Street, City and County of Denver)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City and County of Denver has enacted floodplain regulations; and

WHEREAS, the City and County of Denver and the District cooperated in the preparation of "Weir Gulch Major Drainageway Planning Study," completion anticipated in 2015; and

WHEREAS, the Board previously authorized (Resolution No. 27, Series of 2014) \$725,000 for design, acquisition of right-of-way, and construction of improvements along Weir Gulch from Sheridan Boulevard to Hooker Street (Exhibit A); and

WHEREAS, the City and County of Denver and the District now desire to construct improvements along Weir Gulch from Sheridan Boulevard to Hooker Street; and

WHEREAS, the City and County of Denver has estimated the additional drainage project costs to be \$550,000 resulting in a revised total drainage project cost of \$2,000,000 (\$1,000,000 District; \$1,000,000 City and County of Denver); and

WHEREAS, the District's additional participation being authorized by this resolution is \$275,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Weir Gulch from Sheridan Boulevard to Hooker Street; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Weir Gulch from Sheridan Boulevard to Hooker Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 27, Series of 2014, Paragraph 3, is amended as follows:
"The District's maximum contribution to the Weir Gulch from Sheridan Boulevard to Hooker Street project without prior approval of the Board shall be ~~\$725,000~~ **\$1,000,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City and County of Denver."
2. All other conditions and authorizations remain as stated in Resolution No. 27, Series of 2014.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

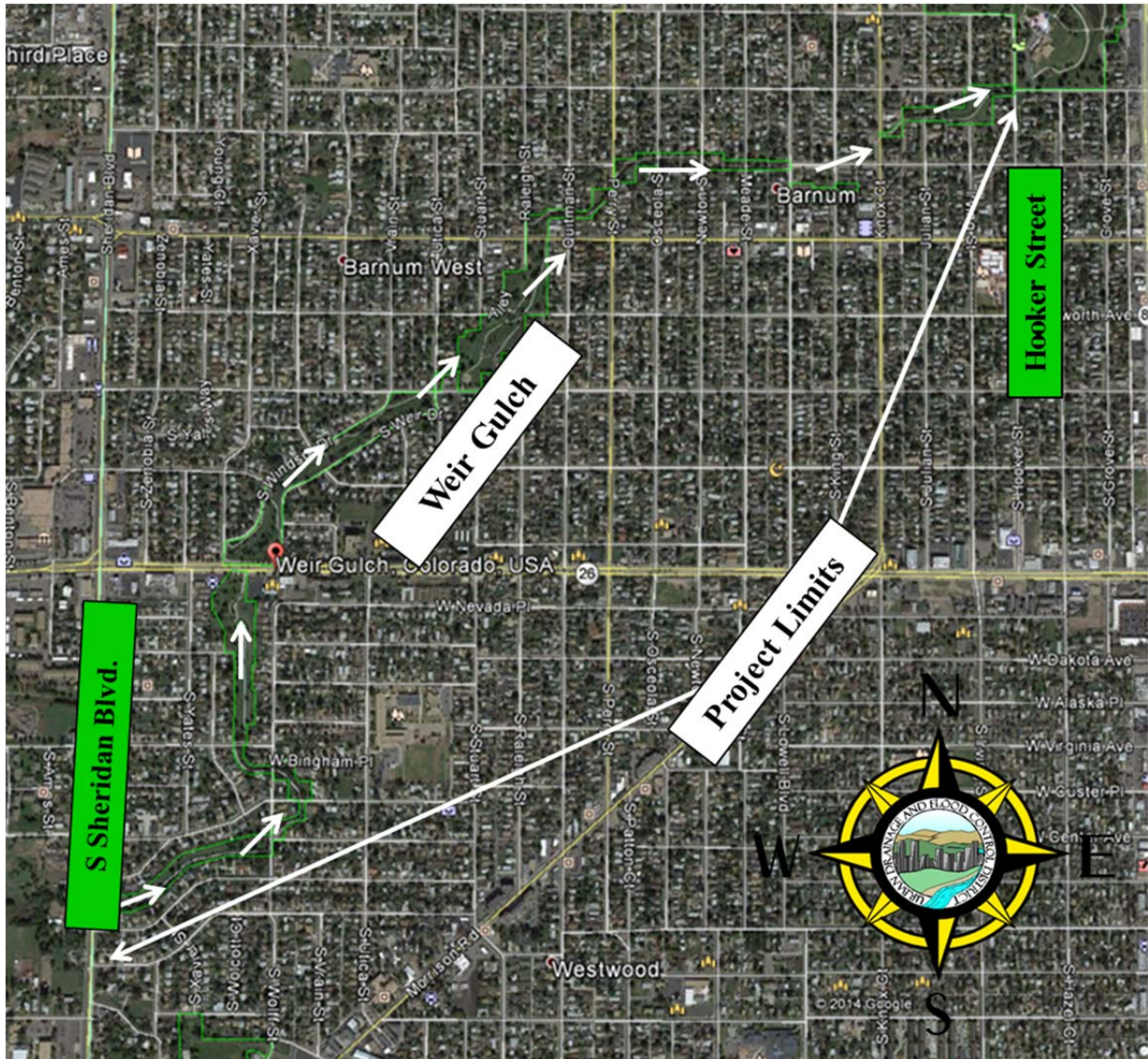
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 34, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
On Weir Gulch from Sheridan Boulevard to Hooker Street, City and County of Denver)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 35, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on First Creek at East 56th Avenue, City and County of Denver)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City and County of Denver has enacted floodplain regulations; and

WHEREAS, the City and County of Denver and the District cooperated in the preparation of "First Creek (Upstream of Buckley Road) Major Drainageway Plan Conceptual Design Report," dated August 2010; and

WHEREAS, the Board previously authorized (Resolution No. 52, Series of 2011 and Resolution No. 14, Series of 2012) \$3,150,000 for design, acquisition of right-of-way, and construction of improvements along First Creek at East 56th Avenue (Exhibit A); and

WHEREAS, the City and County of Denver and the District now desire to construct improvements along First Creek at East 56th Avenue; and

WHEREAS, the City and County of Denver has estimated the additional project costs to be \$100,000 resulting in a revised total project cost of \$6,400,000 (\$3,200,000 District; \$3,200,000 City and County of Denver); and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along First Creek at East 56th Avenue; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along First Creek at East 56th Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 52, Series of 2011, Paragraph 3, is amended as follows:
"The District's maximum contribution to the First Creek at East 56th Avenue project without prior approval of the Board shall be ~~\$3,150,000~~ **\$3,200,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City and County of Denver."
2. All other conditions and authorizations remain as stated in Resolution No. 52, Series of 2011.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 35, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on First Creek at East 56th Avenue, City and County of Denver)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 36, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Little Dry Creek at Tufts Avenue, City of Cherry Hills Village, Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Cherry Hills Village has enacted floodplain regulations; and

WHEREAS, Arapahoe County, Greenwood Village, Cherry Hills Village, Centennial, South Suburban Park and Recreation District, and the District, cooperated in the preparation of "Little Dry Creek (ARAPCO) Watershed Downstream Portions Major Drainageway Planning Study," dated August 2004; and

WHEREAS, the Board previously authorized (Resolution No. 23, Series of 2013) \$20,000 for design, acquisition of right-of-way, and construction of improvements along Little Dry Creek at Tufts Avenue (Exhibit A); and

WHEREAS, the City of Cherry Hills Village and the District now desire to construct improvements along Little Dry Creek at Tufts Avenue; and

WHEREAS, the City of Cherry Hills Village and the District have estimated the additional drainage project costs to be \$300,000 resulting in a revised total drainage project cost of \$340,000 (\$170,000 District; \$170,000 Cherry Hills Village); and

WHEREAS, the District's additional participation being authorized by this resolution is \$150,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Little Dry Creek at Tufts Avenue; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Little Dry Creek at Tufts Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 23, Series of 2013, Paragraph 3, is amended as follows:
"The District's maximum contribution to the Little Dry Creek at Tufts Avenue project without prior approval of the Board shall be ~~\$20,000~~ **\$170,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Cherry Hills Village."
2. All other conditions and authorizations remain as stated in Resolution No. 23, Series of 2013.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 36, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Little Dry Creek at Tufts Avenue, City of Cherry Hills Village, Arapahoe County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 37, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Littles Creek at Gallup Street, City of Littleton, Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Littleton has enacted floodplain regulations; and

WHEREAS, the City of Littleton and the District cooperated in the preparation of "Major Drainageway Planning, Lee Gulch, Littles Creek, Phase B-Preliminary Design," dated September 1978; and

WHEREAS, the City of Littleton has requested District participation in the design, acquisition of right-of-way, and construction of improvements along Littles Creek at Gallup Street (Exhibit A); and

WHEREAS, the City of Littleton and the District have estimated the total drainage project costs to be \$500,000 (\$250,000 District; \$250,000 City of Littleton); and

WHEREAS, the District's participation being authorized by this resolution is \$250,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Littles Creek at Gallup Street; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements along Littles Creek at Gallup Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City of Littleton for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Littles Creek at Gallup Street.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others, as necessary, for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Littles Creek at Gallup Street.
3. The District's maximum contribution to the Littles Creek at Gallup Street project, without prior approval of the Board, shall be \$250,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Littleton.
4. Such approval for expenditure of District funds is contingent upon the City of Littleton agreeing to regulate and control any defined floodplain in the Littles Creek at Gallup Street project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 37, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Little's Creek at Gallup Street, City of Littleton, Arapahoe County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 38, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Happy Canyon Creek at Interstate 25, Douglas County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Douglas County has enacted floodplain regulations; and

WHEREAS, Douglas County and the District cooperated in the preparation of "Happy Canyon Creek Major Drainageway Plan," dated March 2014; and

WHEREAS, the Board previously authorized (Resolution No. 33, Series of 2013) \$225,000 for design, acquisition of right-of-way, and construction of improvements along Happy Canyon Creek at Interstate 25 (Exhibit A); and

WHEREAS, Douglas County and the District now desire to construct improvements along Happy Canyon Creek at Interstate 25; and

WHEREAS, Douglas County has estimated the additional drainage project costs to be \$280,000 resulting in a revised total drainage project cost of \$730,000 (\$365,000 District; \$365,000 Douglas County); and

WHEREAS, the District's additional participation being authorized by this resolution is \$140,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Happy Canyon Creek at Interstate 25; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Happy Canyon Creek at Interstate 25 were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 33, Series of 2013, Paragraph 3, is amended as follows:
"The District's maximum contribution to the Happy Canyon Creek at Interstate 25 project without prior approval of the Board shall be ~~\$225,000~~ **\$365,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by Douglas County."
2. All other conditions and authorizations remain as stated in Resolution No. 33, Series of 2013.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

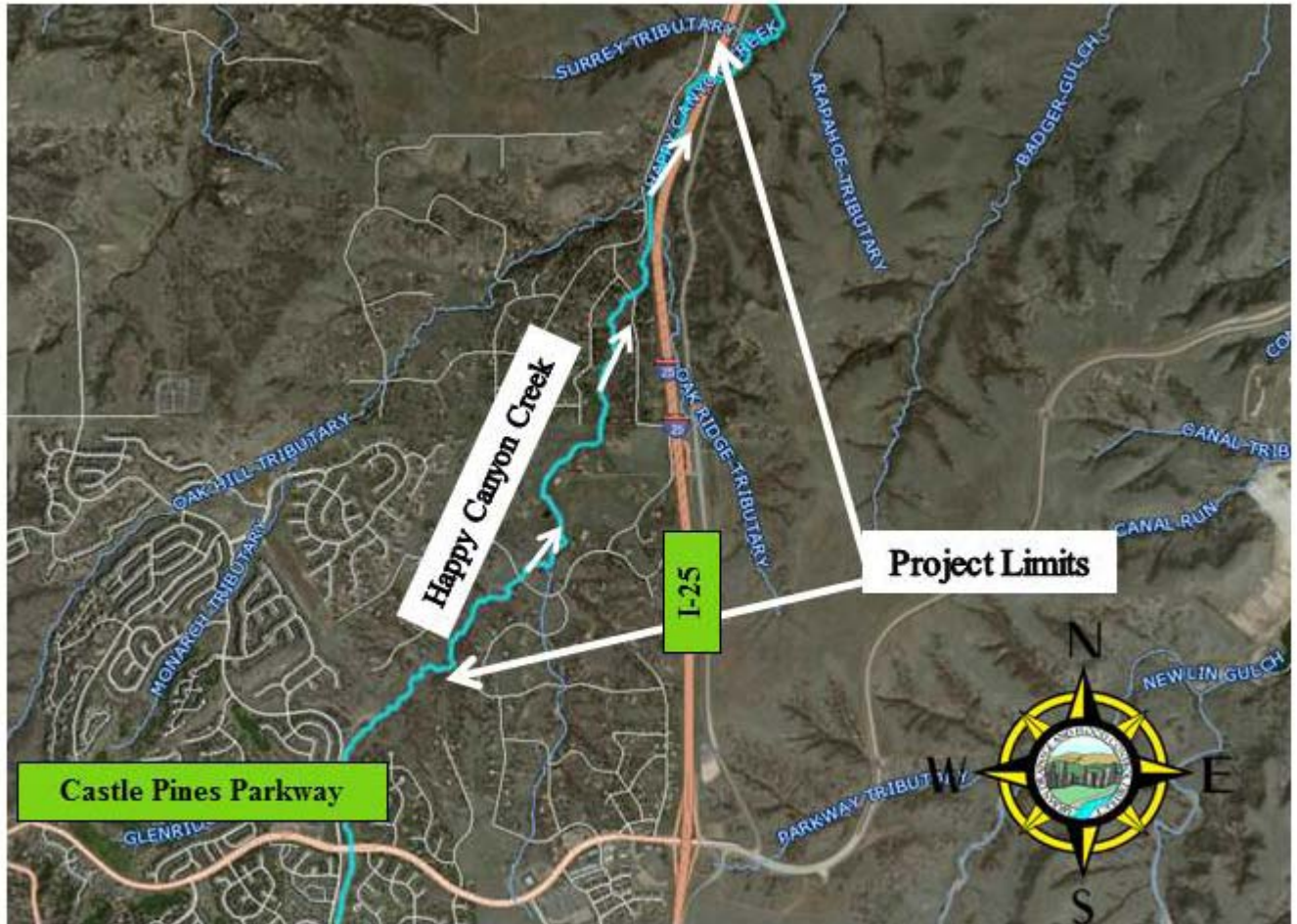
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 38, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Happy Canyon Creek at Interstate 25, Douglas County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 39, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Fonder Draw at Lightening View Drive, Douglas County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Douglas County has enacted floodplain regulations; and

WHEREAS, Douglas County and the District cooperated in the preparation of "Kinney Creek and Fonder Draw Outfall Systems Plan Phase B," dated December 2004; and

WHEREAS, the Board previously authorized (Resolution No. 30, Series of 2013 and Resolution No. 79, Series of 2014) \$255,000 for design, acquisition of right-of-way, and construction of improvements along Fonder Draw at Lightening View Drive (Exhibit A); and

WHEREAS, Douglas County and the District now desire to construct improvements along Fonder Draw at Lightening View Drive; and

WHEREAS, Douglas County has estimated the additional project costs to be \$40,000 resulting in a revised total project cost of \$550,000 (\$275,000 District; \$275,000 Douglas County); and

WHEREAS, the District's additional participation being authorized by this resolution is \$20,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Fonder Draw at Lightening View Drive; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Fonder Draw at Lightening View Drive were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 30, Series of 2013, Paragraph 3, is amended as follows:
"The District's maximum contribution to the Fonder Draw at Lightening View Drive project without prior approval of the Board shall be ~~\$255,000~~ **\$275,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by Douglas County."
2. All other conditions and authorizations remain as stated in Resolution No. 30, Series of 2013.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

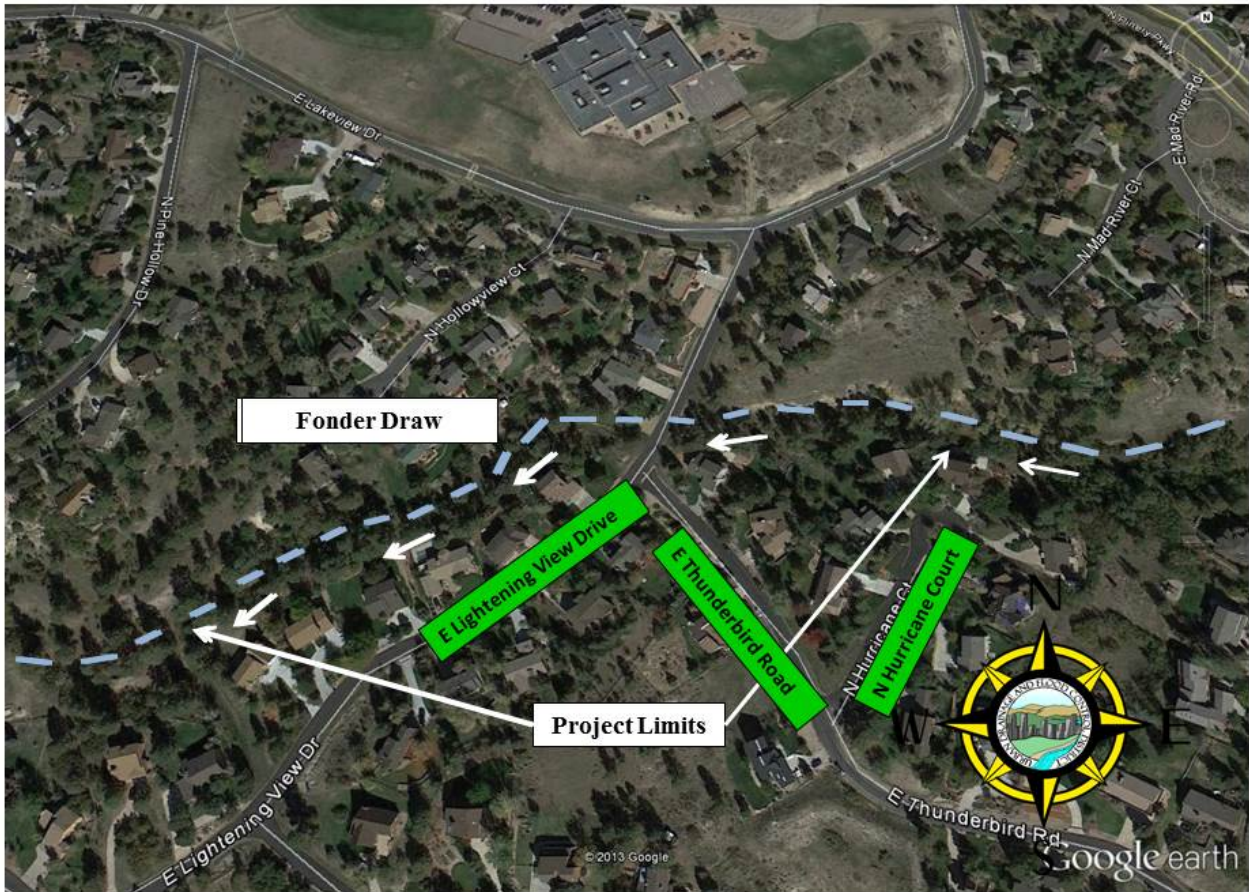
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO, 39, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Fonder Draw at Lightening View Drive, Douglas County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 40, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Pond 12 Along Happy Canyon Creek at Monarch Boulevard,
City of Castle Pines, Douglas County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the Castle Pines Metro District has enacted floodplain regulations; and

WHEREAS, the Castle Pines Metro District and the District cooperated in the preparation of "Happy Canyon Creek Major Drainageway Plan," dated March 2014; and

WHEREAS, the Castle Pines Metro District has requested District participation in the design and construction of improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard (Exhibit A); and

WHEREAS, the Castle Pines Metro District has estimated the total drainage project costs to be \$750,000 (\$50,000 District; \$700,000 Castle Pines Metro District); and

WHEREAS, the District's participation being authorized by this resolution is \$50,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 52, Series of 2014) in which the improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with Castle Pines Metro District for the design and construction of drainage and flood control improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard.
3. The District's maximum contribution to the Pond 12 along Happy Canyon Creek at Monarch Boulevard project, without prior approval of the Board, shall be \$50,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the Castle Pines Metro District.
4. Such approval for expenditure of District funds is contingent upon the Castle Pines Metro District agreeing to regulate and control any defined floodplain in the Pond 12 along Happy Canyon Creek at Monarch Boulevard project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 40, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Pond 12 along Happy Canyon Creek at Monarch Boulevard,
City of Castle Pines, Douglas County)

EXHIBIT A





URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

REVISED

BOARD OF DIRECTORS MEETING

Date: Thursday, September 17, 2015

Time: 1:00 pm

Catered Lunch – 12:15 pm

How the District Works – 12:45 – 1:00 pm

1. **Call to Order and Pledge of Allegiance – 1:00 pm**
2. **Introductions**
 - a. Swearing in of New Board Member
 - i. Councilwoman Stacie Gilmore (City of Denver, District 11)
 - b. Visitors/Guests/Staff
 - c. Awards/Recognitions
3. **Roll Call – Determination of Quorum**
4. **Approval of August 20, 2015 Meeting Minutes** *(If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”)*
5. **Consent Agenda** *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*
 - a. Review of Cash Disbursements
 - b. Acceptance of South Boulder Creek Planning Study
(Resolution No. 41, Series of 2015)
 - c. Authorization to Participate in Funding of US Army Corps of Engineers’ Section 205 Feasibility Study for Ralston Creek from Van Bibber Creek to Beech Street, City of Arvada, Jefferson County
(Resolution No. 42, Series of 2015)
 - d. Additional Authorization to Participate in Drainage and Flood Control Improvements on West Fork Kenneys Run from 23rd Street to 24th Street, City of Golden, Jefferson County
(Resolution No. 43, Series of 2015)
 - e. Additional Authorization to Participate in Drainage and Flood Control Improvements on Pond 12 Along Happy Canyon Creek at Monarch Boulevard, City of Castle Pines Douglas County
(Resolution No. 44, Series of 2015)
 - f. Amendment to the Emergency Contingency Fund
(Resolution No. 45, Series of 2015)
6. **Vote on Approval of the Consent Agenda** *(Motion and roll call vote required)*
7. **Reports/Discussion**
 - a. 2016 Draft Budget
 - b. Executive Director’s Report
8. **Other Business**
9. **Announcements**
 - a. Next Regularly Scheduled Meeting: **Thursday, October 15, 2015**
10. **Adjournment**



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT BOARD OF DIRECTORS

August 20, 2015

MINUTES

Members Present:

Herb Atchison, Mayor, City of Westminster
Bruce Beckman, Mayor Pro Tem, City of Littleton
Joyce Downing, Mayor, City of Northglenn
Deb Gardner, Commissioner, Boulder County
Mark Hunter, Engineer
Debi Hunter-Holen, Mayor Pro Tem, City of Aurora
Suzanne Jones, Mayor Pro Tem, City of Boulder
Paul Kashmann, Council Member, City/County/Denver
Ken Lucas, Mayor Pro Tem, City of Centennial
Mark McGoff, Mayor Pro Tem, City of Arvada
Bonnie McNulty, Mayor, City of Edgewater
Jill Repella, Commissioner, Douglas County
Nancy Sharpe, Commissioner, Arapahoe County
Greg Stokes, Mayor Pro Tem, City/County of Broomfield
Libby Szabo, Commissioner, Jefferson County
Charles (Chaz) Tedesco, Commissioner, Adams County
Heidi Williams, Mayor, City of Thornton

Members Absent:

Cary Kennedy, Deputy Mayor, City/County of Denver
Paul Lopez, Council Member, City/County of Denver
Bob Murphy, Mayor, City of Lakewood
Dave Sellards, Engineer

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Julia Bailey	Project Engineer, Information Services & Flood Warning
Richard Borchardt	Project Manager, Design, Construction, and Maintenance
Amelia Deleon	Human Resources and Administrative Services Manager
Terri Fead	Project Manager, Floodplain Management
Laura Kroeger	Assistant Program Manager, Design, Construction, and Maintenance
Teresa Patterson	Project Engineer, Floodplain Management
Holly Piza	Project Manager, Master Planning
David Skuodas	Project Manager, Design, Construction, and Maintenance
Jason Stawski	Construction Manager, Design, Construction, and Maintenance

Others Present:

Deborah Churchill, Jefferson County
Magen Elenz, Aide for Councilwoman Stacie Gilmore

How the Districts Works – Construction Funding, Management, and Controls

Mr. Hindman conducted a presentation entitled, "Construction Funding, Management, and Controls," for this month's How the District Works presentation.

1. **Call to Order and Pledge of Allegiance – 1:00 p.m.**
Mayor Downing called the meeting to order at 1:00 p.m.

2. **Introductions**

- a. **Swearing in of New Board Member**

The following individuals were sworn in as new board members by Mr. Ed Krisor:

- i. Councilman Paul Kashmann (City of Denver, District 6)

b. Visitors/Guests/Staff

Mr. Hindman introduced the following new staff member:

- Jason Stawski – Construction Manager

c. Awards/Recognitions

There were no awards presented at this meeting.

3. Roll Call – Determination of Quorum

Roll was called and a quorum was declared present.

4. Board Approval of April 16, 2015 Meeting Minutes (*If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”*)

Mayor Downing asked if there were any corrections to the April 16, 2015 minutes. Hearing none, the minutes were approved as submitted.

5. Consent Agenda (*Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.*)

a. Review of Cash Disbursements

Cash Disbursement list, dated June, July, and August 2015, had been distributed to the Board for review. There being no further comments or questions, it was the consensus of the Board to include approval of the Cash Disbursements on the Consent Agenda.

**b. Acceptance of Big Dry Creek Planning Study
(Resolution No. 32, Series of 2015)**

Resolution 26 of 2013 authorized a major drainageway planning study for Big Dry Creek in Arapahoe County downstream of the county line. The District partnered with the Southeast Metro Stormwater Authority (SEMSWA), the City of Englewood, and the City of Greenwood Village to fund the study. Ayres Associates was selected to perform the study. The watershed area is approximately 19.3 square miles in area. Big Dry Creek has been previously studied by the District as reported in the following documents:

- Major Drainageway Master Plan Big Dry Creek (VTN, 1975)
- Big Dry Creek (ARAPCO) & Tributaries Major Drainageway Plan (WRC, 1998)

SEMSWA desires to update the previous MDP to develop different alternatives than those proposed in the previous report which are no longer viable and to incorporate water quality enhancements where possible. The City of Englewood and the City of Greenwood Village agreed to fund their share of the study. Improvements recommended in the study include:

- Regional detention to reduce peak flows downstream so existing infrastructure will convey the 100-year storm
- Channel improvements to increase the flow capacity and remove flood risk to existing habitable structures
- Reconfiguration of High Line Canal control structure at crossing of Big Dry Creek
- Increased capacity roadway crossings to prevent overtopping
- New and upsized storm sewer system to convey 100-year flows to the creek without inundating habitable structures
- Drop structures to prevent vertical degradation
- Bank stabilization to prevent lateral degradation
- Water quality enhancements at storm sewer outfalls

The total cost of improvements recommended in the study is approximately \$45 million, including contingencies. Resolution No. 32 accepts the report and recommends the improvements and practices in the report be used as a guide in future public works projects and in land development activities.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 32 on the Consent Agenda.

- c. **Additional Authorization to Participate in Drainage and Flood Control Improvements on Coal Creek Upstream of McCaslin Boulevard, Town of Superior, Boulder County (Resolution No. 33, Series of 2015)**
This is a joint project with the Town of Superior. CH2M Hill designed the project under contract with the District. The drainage elements of the project include installation of an additional bridge span at 2nd Avenue and channel widening at 3rd Avenue and upstream of 3rd Avenue to reduce the limits of the 100-year floodplain. The Town of Superior already holds the necessary easements and right-of-way where the project will be carried out.
- After receiving construction bids, it has been determined that additional funding is justified. The District and The Town of Superior have identified \$1,690,000 in total project costs with the District's participation being \$825,000. The previous authorizations (Resolution No. 19, Series of 2009; Resolution No. 12, Series of 2014; and Resolution No. 7, Series of 2015) totaled \$775,000 to fund design and to partially fund acquisition of right-of-way and construction.
- Resolution No. 33 authorizes an additional \$50,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the Town of Superior for the design, acquisition of right-of-way, and construction of the drainage elements of the project.
- There being no further comments or questions, it was the consensus of the Board to place Resolution No. 33 on the Consent Agenda.
- d. **Additional Authorization to Participate in Drainage and Flood Control Improvements on Weir Gulch from Sheridan Boulevard to Hooker Street, City and County of Denver (Resolution No. 34, Series of 2015)**
This is a joint project with the City and County of Denver. ICON Engineering, Inc. will be designing the project under contract with the District. The drainage elements of the project include improvements to the stream bank and stream bed. Most importantly, the stream improvements will remove structures from the floodplain. Easement and right-of-way acquisition is included in the project costs.
- The final design is on-going and the District and the City and County of Denver desire to construct the improvements which will be managed by the District. Construction is anticipated in 2017.
- The District and the City and County of Denver have identified \$2,000,000 in total project costs with the District's participation being \$1,000,000. The previous authorization (Resolution No. 27, Series of 2014) totaled \$725,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.
- Resolution No. 34 authorizes an additional \$275,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City and County of Denver for the design, acquisition of right-of-way, and construction of the drainage elements of the project.
- There being no further comments or questions, it was the consensus of the Board to place Resolution No. 34 on the Consent Agenda.
- e. **Additional Authorization to Participate in Drainage and Flood Control Improvements on First Creek at East 56th Avenue, City and County of Denver (Resolution No. 35, Series of 2015)**
This is a joint project with the City and County of Denver. ICON Engineering Inc. designed the project under contract with the District. The drainage elements of the project include installation of channel bank protection, bed improvements, and a maintenance access trail.

The City and County of Denver already holds the necessary easements and right-of-way where the project will be carried out. The final design is now complete and the District and the City and County of Denver desire to construct the improvements which will be managed by ICON Engineering, Inc. Construction is anticipated in 2015.

The District and the City and County of Denver have identified \$6,400,000 in total project costs with the District's participation being \$3,200,000. The previous authorizations (Resolution No. 52, Series of 2011 and Resolution No. 14, Series of 2012) totaled \$3,150,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 35 authorizes an additional \$50,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City and County of Denver for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 35 on the Consent Agenda.

f. Additional Authorization to Participate in Drainage and Flood Control Improvements on Little Dry Creek at Tufts Avenue, City of Cherry Hills Village, Arapahoe County (Resolution No. 36, Series of 2015)

This is a joint project with the City of Cherry Hills Village. Icon Engineering, Inc. designed the project under contract with the District. The drainage elements of the project include installation of a drop structure and bank protection. Easement and right-of-way acquisition is included in the project costs.

The final design is nearing completion and the District and the City of Cherry Hills Village desire to construct the improvements which will be managed by the District. Construction is anticipated in 2016.

The District and the City of Cherry Hills Village have identified \$340,000 in total project costs with the District's participation being \$170,000. The previous authorization (Resolution No. 23, Series of 2013) totaled \$20,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 36 authorizes an additional \$150,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Cherry Hills Village for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 36 on the Consent Agenda.

g. Authorization to Participate in Drainage and Flood Control Improvements on Little Creek at Gallup Street, City of Littleton, Arapahoe County (Resolution No. 37, Series of 2015)

This is a joint project with the City of Littleton. The City of Littleton desires to design and construct improvements along Little Creek at Gallup Street in accordance with the "Major Drainageway Planning, Lee Gulch, Little Creek, Phase B-Preliminary Design" dated September, 1978. The project includes improvements to the stream (upstream and downstream) at Gallup Street. The City of Littleton already holds the necessary easements and right-of-way where the project will be carried out.

The District will be administering the design once a consulting engineering firm is selected. Construction is anticipated in 2017.

The District and the City of Littleton have identified \$500,000 in initial project costs for the design and partial funding of construction with the District's participation being \$250,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 37 authorizes \$250,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Littleton for the design and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 37 on the Consent Agenda.

h. Additional Authorization to Participate in Drainage and Flood Control Improvements on Happy Canyon Creek at Interstate 25, Douglas County (Resolution No. 38, Series of 2015)

This is a joint project with Douglas County. Muller Engineering Company, Inc. designed the project under contract with the District. The drainage elements of the project include installation of channel bank protection and bed improvements. Easement and right-of-way acquisition is included in the project costs.

The final design is now complete and the District and Douglas County desire to construct the improvements which will be managed by the District. Construction is anticipated in 2016.

The District and Douglas County have identified \$730,000 in total project costs with the District's participation being \$365,000. The previous authorization (Resolution No. 33, Series of 2013) totaled \$225,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 38 authorizes an additional \$140,000 of District funds from the Special Revenue Fund - Construction to at least be matched by Douglas County for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 38 on the Consent Agenda.

i. Additional Authorization to Participate in Drainage and Flood Control Improvements on Fonder Draw at Lightening View Drive, Douglas County (Resolution No. 39, Series of 2015)

This is a joint project with Douglas County. Enginuity Engineering Company designed the project under contract with the District. The drainage elements of the project include installation of stream bed and bank stability measures. Easement and right-of-way acquisition is included in the project costs.

The final design is now complete and the District and Douglas County desire to construct the improvements which will be managed by Enginuity Engineering Company.

The District and Douglas County have identified \$550,000 in total project costs with the District's participation being \$275,000. The previous authorizations (Resolution No. 30, Series of 2013 and Resolution No. 79, Series of 2014) totaled \$255,000 to fund design and to partially fund acquisition of right-of-way and construction.

Resolution No. 39 authorizes an additional \$20,000 of District funds from the Special Revenue Fund - Construction to at least be matched by Douglas County for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 39 on the Consent Agenda.

j. **Authorization to Participate in Drainage and Flood Control Improvements on Pond 12 Along Happy Canyon Creek at Monarch Boulevard, City of Castle Pines, Douglas County (Resolution No. 40, Series of 2015)**

This is a joint project with the Castle Pines Metro District. The Castle Pines Metro District desires to design and construct improvements on Pond 12 along Happy Canyon Creek in accordance with the "Happy Canyon Creek Major Drainageway Plan," dated March 2014. The project includes improvements to Pond 12 along Happy Canyon Creek at Monarch Boulevard. Easement and right-of-way acquisition will be included in the project costs.

Castle Pines Metro District is administering the design with Muller Engineering Company, Inc. The District and the Castle Pines Metro District desire to construct the improvements which will be managed by Castle Pines Metro District. Construction is anticipated in 2016.

The District and the Castle Pines Metro District have identified \$750,000 in project costs for the design and construction with the District's participation being \$50,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 40 authorizes \$50,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the Castle Pines Metro District for the design and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 40 on the Consent Agenda.

6. **Vote on Approval of the Consent Agenda** (*Motion and roll call vote required*)

It was the consensus of the Board that Resolutions No. 32, 33, 34, 35, 36, 37, 38, 39, and 40, Series of 2015, and Cash Disbursements dated June, July, and August and 2015 be placed on the Consent Agenda. Mayor Atchison moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

7. **Reports/Discussion**

a. **Executive Director's Report**

The Executive Director's report (attached) was included in the meeting handouts. Mr. Hindman reviewed the report with the Board.

8. **Other Business**

a. **Update Water Rights-Detention Legislation**

Senate Bill 15-212 was signed by the Governor on August 5, 2015 and is now a Colorado law. There are a few fine points to it, but in general, this law allows local governments to construct dry detention basins for flood control and water quality purposes without having to obtain a water right. This was a huge victory for all municipal and county governments in the State.

There are specific notification requirements that apply to all new stormwater detention and infiltration facilities, including individual site facilities built by private parties as a development requirement. The District worked with the Colorado Division of Water Resources (DWR) and the Colorado Stormwater Council to develop a simple data sheet and an online map-based web portal that allows all municipalities and counties in Colorado to easily upload this required notification information. The website application will then automatically send email notifications to the proper recipients, relieving public works staff of the emailing burden while also minimizing the volume of email going out to the email list recipients.

9. **Announcements**

a. Next Regularly Scheduled Meeting: Thursday, September 17, 2015

10. **Adjournment**

SUBMITTED BY: PAUL A. HINDMAN

Executive Director's Report

August 20, 2015

ADMINISTRATIVE

I hope you like our new front office face lift. Our remodeling is just about done and we've bought a couple of new pieces of furniture to make the office more pleasant for our visitors. If you like the new color scheme please let Amelia know; she was the main architect of the changes. I personally, think it turned out great.

PROGRAM

Design, Construction, and Maintenance: This year's runoff was challenging to say the least. We were in the final stages of completing a couple of projects on the South Platte River when it started raining and didn't stop until a month later. There wasn't any intense rain on any one day but the slow release of the volume stored in the Tri-Lake System (Chatfield, Bear Creek, and Cherry Creek Reservoirs) kept the river at a high-flow stage for over two months. After the water finally went down at the end of July, we were able to see the highly anticipated results of the sustained high flows. Considering how vulnerable the construction projects were with no chance of establishment, the extended high flows didn't cause any unexpected problems. The structural features performed as designed, the damage that was incurred was to the vegetation establishment. The projects will need to have fine grading, topsoil, seed, blanket, and plantings reinstalled. We have directed project funds along with our local partners to pay for the revegetation effort. I'm happy to report that all the established projects we have built over the years held up very well and are nice and green this year!

We are also working with the City and County of Denver for public assistance under Major Disaster Declaration DR-4229, for the clean-up and damage repair along the South Platte River and major streams, due to the sustained high flows. These repairs included clearing of dead and damaged vegetation, trail and bank repairs, and bridge work.

Finance: Our new finance software is up and running and - so far so good. We've had the normal expected bugs that we've managed to work out but nothing major, so far. This upgrade will allow our managers to be able to generate real-time financial reports to help run projects more efficiently. The new software also has the added benefit of lowering Terri's (Controller) blood pressure. The old system was definitely starting to uncover a few gremlins, which were hiding in the system.

STATE AND FEDERAL GOVERNMENT ADVOCACY

State and Local Government: SB 15-212 was signed by the governor on August 5, 2015 and is now a Colorado law. There are a few fine points to it, but in general, local governments that construct dry detention basins for flood control purposes do not have to obtain a water right. This was a huge victory for all municipal and county governments in the State.

Federal: The waters of the U.S. rulemaking was released by EPA and the USACE. Immediately upon release several states and other entities took exception to it and lawsuits were filed. The new ruling goes into effect on August 28th, unless lawsuits stop this from happening.

PERSONAL

It's been a long time since we had our last Board meeting. We've been busy as I'm sure you have too. However, I do hope all of you have taken some time off from your busy schedules to take that much-needed vacation with family and/or friends. We get so caught up in our daily lives that sometimes we forget to take a break to recharge.

I just got back from Jackson Hole: what a great place to relax and ponder the meaning of life. I hope you had a chance to do the same.



If you have any questions or comments, I can be reached at 303-455-6277 or on my cell at 303-919-2932.

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 41, SERIES OF 2015
(Acceptance of South Boulder Creek Planning Study)

WHEREAS, the Board cooperated with the City of Boulder in the preparation of a major drainageway planning study for South Boulder Creek (Resolution No. 59, Series of 2008); and

WHEREAS, the Executive Director executed an agreement for engineering services with the consulting firm CH2M Hill to conduct studies and prepare a major drainageway planning report for South Boulder Creek; and

WHEREAS, the District reviewed the alternatives presented by CH2M Hill and concurred with the alternative selected in cooperation with the City of Boulder; and

WHEREAS, CH2M Hill has completed the study and submitted to the District the report titled "South Boulder Creek Major Drainageway Plan Alternatives Analysis Report," dated August 2015.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled "South Boulder Creek Major Drainageway Plan Alternatives Analysis Report," dated August 2015, and recommends that all drainage, flood control and stormwater management infrastructure and practices recommended in the report be used to guide future drainage and flood control planning, land development, and design and construction of all such infrastructure within jurisdiction covered by said plan.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 41, SERIES OF 2015
(Acceptance of South Boulder Creek Planning Study)

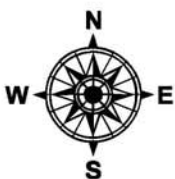
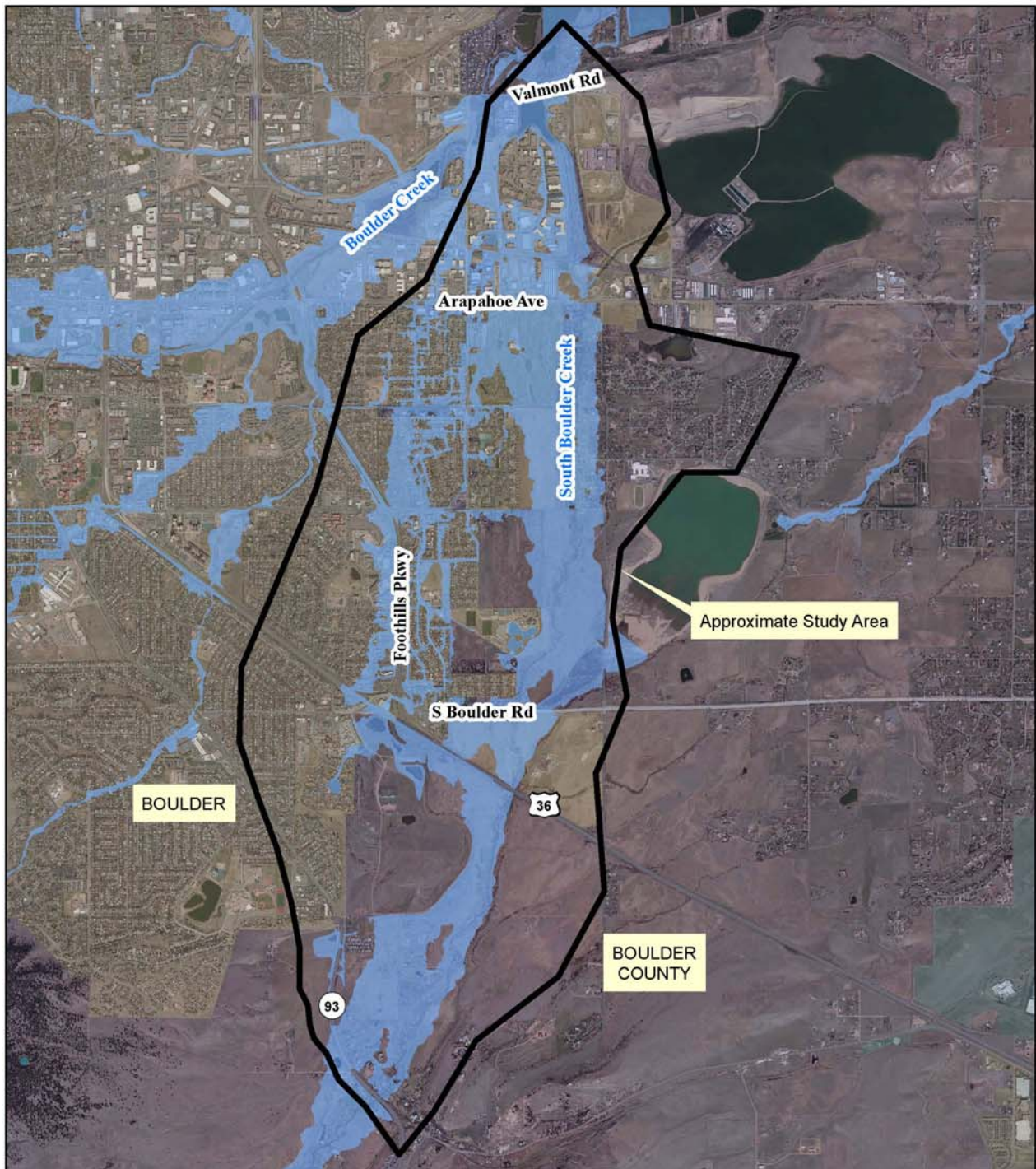


EXHIBIT A
South Boulder Creek MDP
Approximate Study Limits
September 2015

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 42, SERIES OF 2015

(Authorization to Participate in Funding of US Army Corps of Engineers' Section 205 Feasibility Study for Ralston Creek from Van Bibber Creek to Beech Street, City of Arvada, Jefferson County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Arvada has enacted floodplain regulations; and

WHEREAS, the City of Arvada and the District cooperated in the preparation of "Major Drainageway Planning – Lower Ralston / Van Bibber and Leyden Creek," dated February 1986; and

WHEREAS, the City of Arvada has requested District participation in the funding of a US Army Corps of Engineers' Section 205 – Feasibility Study for Ralston Creek from Van Bibber Creek to Beech Street (Exhibit A); and

WHEREAS, the US Army Corps of Engineers have estimated the Section 205 Feasibility Study total costs to be \$1,000,000; and

WHEREAS, the City of Arvada has requested the District fund 50% of the non-federal sponsor costs estimated to be \$500,000; and

WHEREAS, the District's participation being authorized by this resolution is \$250,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Ralston Creek from Van Bibber Creek to Beech Street; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Ralston Creek from Van Bibber Creek to Beech Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City of Arvada for the funding of a US Army Corps of Engineers' Section 205 – Feasibility Study for Ralston Creek from Van Bibber Creek to Beech Street.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Ralston Creek from Van Bibber Creek to Beech Street.
3. The District's maximum contribution to the Ralston Creek from Van Bibber Creek to Beech Street project, without prior approval of the Board, shall be \$250,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Arvada.
4. Such approval for expenditure of District funds is contingent upon the City of Arvada agreeing to regulate and control any defined floodplain in the Ralston Creek from Van Bibber Creek to Beech Street project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District;

granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

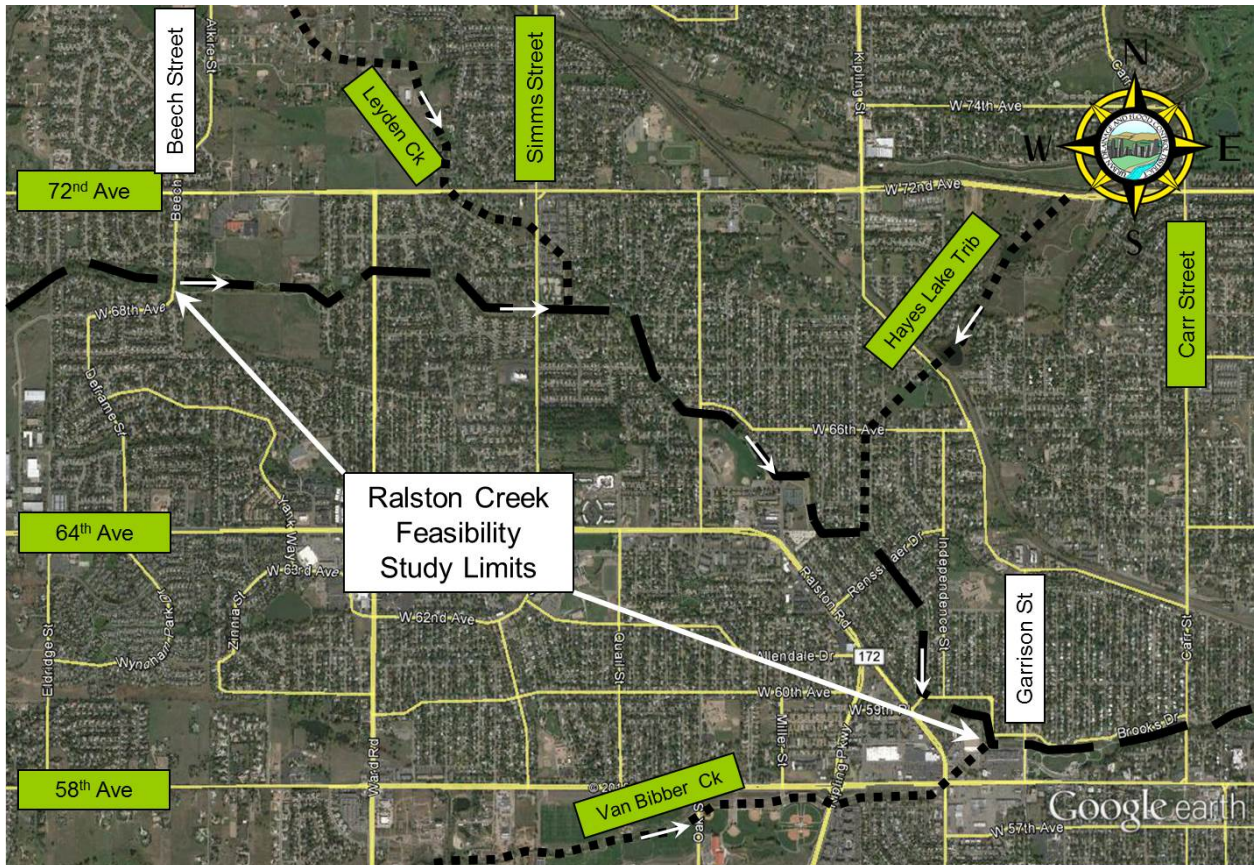
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 42, SERIES OF 2015

(Authorization to Participate in Funding of US Army Corps of Engineers' Feasibility Study for Ralston Creek from Van Bibber Creek to Beech Street, City of Arvada, Jefferson County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 43, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on West Fork Kenneys Run from 23rd Street to 24th Street, City of Golden, Jefferson County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Golden has enacted floodplain regulations; and

WHEREAS, the City of Golden and the District cooperated in the preparation of "Major Drainageway Planning – Golden, Tucker Gulch/Kenneys Run," dated September 1983; and

WHEREAS, the Board previously authorized (Resolution No. 33, Series of 2012; Resolution No. 17, Series of 2013; Resolution No. 59, Series of 2013; and Resolution No. 75, Series of 2014) \$950,000 for design, acquisition of right-of-way, and construction of improvements along West Fork Kenneys Run from approximately 300 feet downstream of 23rd Street to approximately 300 feet upstream of 24th Street (Exhibit A); and

WHEREAS, the City of Golden and the District now desire to construct improvements along West Fork Kenneys Run from approximately 23rd Street to 24th Street; and

WHEREAS, the City of Golden has estimated the additional project costs to be \$250,000 resulting in a revised total project cost of \$2,150,000 (\$1,075,000 District; \$1,075,000 City of Golden); and

WHEREAS, the District's additional participation being authorized by this resolution is \$125,000; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along West Fork Kenneys Run from 23rd Street to 24th Street; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along West Fork Kenneys Run from 23rd Street to 24th Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 33, Series of 2012, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the West Fork Kenneys Run from 23rd Street to 24th Street project without prior approval of the Board shall be ~~\$950,000~~ **\$1,075,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by City of Golden."
2. All other conditions and authorizations remain as stated in Resolution No. 33, Series of 2012.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 43, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on West Fork Kenneys Run from 23rd Street to 24th Street, City of Golden, Jefferson County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 44, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Pond 12 Along Happy Canyon Creek at Monarch Boulevard,
City of Castle Pines, Douglas County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the Castle Pines Metro District has enacted floodplain regulations; and

WHEREAS, the Castle Pines Metro District and the District cooperated in the preparation of "Happy Canyon Creek Major Drainageway Plan," dated March 2014; and

WHEREAS, the Board previously authorized (Resolution No. 40, Series of 2015) \$50,000 for design, acquisition of right-of-way, and construction of improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard (Exhibit A); and

WHEREAS, the Castle Pines Metro District and the District now desire to construct improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard; and

WHEREAS, the Castle Pines Metro District has estimated the additional drainage project costs to be \$30,000 resulting in a revised total drainage project cost of \$780,000 (\$80,000 District, \$700,000 Castle Pines Metro District); and

WHEREAS, the District's additional participation being authorized by this resolution is \$30,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 40, Series of 2015, Paragraph 3, is amended as follows:
"The District's maximum contribution to the Pond 12 along Happy Canyon Creek at Monarch Boulevard project without prior approval of the Board shall be ~~\$50,000~~ **\$80,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by Castle Pines Metro District."
2. All other conditions and authorizations remain as stated in Resolution No. 40, Series of 2015.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 44, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Pond 12 Along Happy Canyon Creek at Monarch Boulevard,
City of Castle Pines, Douglas County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 45, SERIES OF 2015
(Amendment to the Emergency Contingency Fund)

WHEREAS, the Colorado General Assembly in 1979 amended 32-11-217(1) (c) CRS 1973, thereby authorizing the District to levy up to 0.4 mill for maintenance and preservation of floodplains and floodways within the District; and

WHEREAS, the Board recognizes that severe and unusual flood events create unexpected needs of a maintenance nature for which the funding requirements cannot be anticipated; and

WHEREAS, the Board previously authorized (Resolution No. 54, Series of 1981) creation of an Emergency Contingency Fund in the amount of \$500,000 to assist in the maintenance requirements following an unusual flood event; and

WHEREAS, the Board determines it is desirable to increase the amount of the Emergency Contingency Fund to \$1,000,000; and

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 54, Series of 1981, Paragraph 2 and 3, are replaced as follows:
"2. It shall be the goal of the Board to maintain the Emergency Contingency Fund at a level of \$1,000,000. If funds are used, then monies will be budgeted in subsequent years from the Maintenance Fund to rebuild the Emergency Contingency Fund back to \$1,000,000. The building of monies in the Emergency Contingency Fund shall not necessarily take place in one year, but over a period of time as determined by the Board.
3. Interest shall not be recognized on the monies in the Emergency Contingency Fund."
2. All other conditions and authorizations remain as stated in Resolution No. 54, Series of 1981.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

BOARD OF DIRECTORS MEETING

Date: Thursday, October 15, 2015

Time: 1:00 pm

Catered Lunch – 12:15 pm

How the District Works – 12:45 – 1:00 pm

1. **Call to Order and Pledge of Allegiance – 1:00 pm**
2. **Roll Call – Determination of Quorum**
3. **Introductions**
 - a. Visitors/Guests/Staff
 - b. Awards/Recognitions
4. **Approval of September 17, 2015 Meeting Minutes** *(If there are no corrections "Minutes stand approved", or with corrections "Minutes stand approved as corrected")*
5. **Public Hearing**
 - a. 2016 Budget
6. **Consent Agenda** *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*
 - a. Review of Cash Disbursements
 - b. Certification of Tax Levy
(Resolution No. 46, Series of 2015)
 - c. Adoption of 2016 Budget
(Resolution No. 47, Series of 2015)
 - d. Appropriation of Funds for 2016
(Resolution No. 48, Series of 2015)
 - e. Acceptance of Leyden Creek Planning Study
(Resolution No. 49, Series of 2015)
 - f. Acceptance of Coal Mine Avenue Planning Study
(Resolution No. 50, Series of 2015)
 - g. Acceptance of Newlin Gulch Planning Study
(Resolution No. 51, Series of 2015)
 - h. Authorization to Participate in Drainage and Flood Control Improvements on Niver Creek at Zuni Street, City of Federal Heights, Adams County
(Resolution No. 52, Series of 2015)
 - i. Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial and Unincorporated Arapahoe County
(Resolution No. 53, Series of 2015)
 - j. Authorization to Participate in Drainage and Flood Control Improvements on Happy Canyon Creek North of Lincoln Avenue, Douglas County
(Resolution No. 54, Series of 2015)
 - k. Additional Authorization to Participate in Drainage and Flood Control Improvements on Pond 12 Along Happy Canyon Creek at Monarch Boulevard, City of Castle Pines, Douglas County
(Resolution No. 55, Series of 2015)

7. **Vote on Approval of the Consent Agenda** *(Motion and roll call vote required)*
8. **Reports/Discussion**
 - a. Executive Director's Report
9. **Other Business**
 - a. Executive Director's Annual Review
 - b. Draft Capital Improvement Plans (CIP) and Work Plans Discussion
10. **Announcements**
 - a. Next Regularly Scheduled Meeting: **Thursday, November 19, 2015**
11. **Adjournment**



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT BOARD OF DIRECTORS

September 17, 2015

MINUTES

Members Present:

Herb Atchison, Mayor, City of Westminster
Bruce Beckman, Mayor Pro Tem, City of Littleton
Joyce Downing, Mayor, City of Northglenn
Stacie Gilmore, Council Member, City/County of Denver
Suzanne Jones, Mayor Pro Tem, City of Boulder
Paul Kashmann, Council Member, City/County/Denver
Cary Kennedy, Deputy Mayor, City/County of Denver
Paul Lopez, Council Member, City/County of Denver
Ken Lucas, Mayor Pro Tem, City of Centennial
Mark McGoff, Mayor Pro Tem, City of Arvada
Bonnie McNulty, Mayor, City of Edgewater
Bob Murphy, Mayor, City of Lakewood
Dave Sellards, Engineer
Nancy Sharpe, Commissioner, Arapahoe County
Greg Stokes, Mayor Pro Tem, City/County of Broomfield
Libby Szabo, Commissioner, Jefferson County
Charles (Chaz) Tedesco, Commissioner, Adams County
Heidi Williams, Mayor, City of Thornton

Members Absent:

Deb Gardner, Commissioner, Boulder County
Mark Hunter, Engineer
Debi Hunter-Holen, Mayor Pro Tem, City of Aurora
Jill Repella, Commissioner, Douglas County

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Krystle Alirez	Electronic Document Management Administrator
Julia Bailey	Project Engineer, Information Services & Flood Warning
Dave Bennetts	Manager, Design, Construction, and Maintenance
Richard Borchardt	Project Manager, Design, Construction, and Maintenance
Chris Carandang	Student Intern, Master Planning
Barbara Chongtoua	Project Manager, Design, Construction, and Maintenance
Margaret Corkery	Senior Administrative Assistant
Amelia Deleon	Human Resources and Administrative Services Manager
Kecia Doke	Records Systems Coordinator
Terri Fead	Project Manager, Floodplain Management
Jeff Fisher	Senior Construction Manager, Design, Construction, and Maintenance
Geanesia Hinton	Senior Administrative Assistant
Bryan Kohlenberg	Project Manager, Design, Construction, and Maintenance
Laura Kroeger	Assistant Program Manager, Design, Construction, and Maintenance
Ken MacKenzie	Manager, Master Planning
David Mallory	Program Manager, Floodplain Management
Steve Materkowski	Construction Manager, Design, Construction, and Maintenance
Teresa Patterson	Project Manager, Floodplain Management
John Pflaum	Project Engineer, Floodplain Management
Holly Piza	Project Manager, Master Planning
Wanda Salazar	Accountant
Mike Sarmiento	Senior Construction Manager, Floodplain Management
Derrick Schaeur	Information Systems Technician
David Skuodas	Project Manager, Design, Construction, and Maintenance

Jason Stawski
Shea Thomas
Joe Williams

Construction Manager, Design, Construction, and Maintenance
Project Manager, Master Planning
Senior Construction Manager, Design, Construction, and Maintenance

Others Present:

None.

How the Districts Works – Rainfall versus Flood

Mr. Hindman conducted a presentation entitled, “Rainfall versus Flood,” for this month’s How the District Works presentation.

1. Call to Order and Pledge of Allegiance – 1:00 p.m.

Councilman Lopez called the meeting to order at 1:00 p.m.

2. Introductions

a. Swearing in of New Board Member

The following individual was sworn in as new board members by Mr. Ed Krisor
- Councilwoman Stacie Gilmore (City of Denver, District 11)

b. Visitors/Guests/Staff

None.

c. Awards/Recognitions

The staff of the Urban Drainage and Flood Control District (UDFCD) were honored with an award from the UDFCD Board of Directors. A Declaration of Appreciation was presented to the entire staff, recognizing their professional services to the District, the State of Colorado, and the nation. On behalf of the UDFCD Staff, Mr. Hindman graciously accepted this prestigious award and thanked the Board for recognizing the services provided by the District.

3. Roll Call – Determination of Quorum

Roll was called and a quorum was declared present.

4. Board Approval of August 20, 2015 Meeting Minutes (*If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”*)

Councilman Lopez asked if there were any corrections to the August 20, 2015 minutes. Hearing none, the minutes were approved as submitted.

5. Consent Agenda (*Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.*)

a. Review of Cash Disbursements

Cash Disbursement list, dated August and September 2015, had been distributed to the Board for review. There being no further comments or questions, it was the consensus of the Board to include approval of the Cash Disbursements on the Consent Agenda.

**b. Acceptance of South Boulder Creek Planning Study
(Resolution No. 41, Series of 2015)**

Resolution No. 59, Series of 2008 authorized a major drainageway planning study for South Boulder Creek in the City of Boulder downstream of Highway 93. The District partnered with the City of Boulder to fund the study. CH2M Hill was selected to perform the study.

The watershed area is approximately 136 square miles in area and South Boulder Creek extends over 27 miles from the Continental Divide to the confluence with Boulder Creek. Gross Reservoir regulates flow from the upper 90 square miles of the watershed.

The South Boulder Creek floodplain mapping study was completed in 2008 which identified approximately 240 additional structures in the floodplain for a total of over 700 structures in the South Boulder Creek 100-yr floodplain resulting in \$8.7 million average annual damages from flooding.

In September 2013, residents throughout the West Valley experienced significant flooding when flows from South Boulder Creek overtopped US 36. Frasier Meadows, a retirement community, was evacuated due to flooding in the health care center, assisted living building and garages. Improvements recommended in the study include:

- Regional detention south of US 36 to eliminate the West Valley overflow
- Regional detention at Arapahoe Avenue to contain flow to South Boulder Creek
- Local improvements in the West Valley including detention and conveyance improvements

If implemented, the master planned improvements will remove 411 structures (1,721 dwelling units) from the 100-yr floodplain. The total cost of improvements recommended in the study is approximately \$44 million, including contingencies.

Resolution No. 41 accepts the report and recommends the improvements and practices in the report be used as a guide in future public works projects and in land development activities.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 41 on the Consent Agenda.

**c. Authorization to Participate in Funding of US Army Corps of Engineers' Section 205 Feasibility Study for Ralston Creek from Van Bibber to Beech Street, City of Arvada, Jefferson County
(Resolution No. 42, Series of 2015)**

This is a joint project with the City of Arvada and the US Army Corps of Engineers. In 2014, the Army Corps of Engineers, Omaha District, at the request of the City of Arvada, completed a Federal Interest Determination Continuing Authority Program Section 205 Flood Risk Management Study on this reach of Ralston Creek. The study identifies a flood risk to 282 properties in the floodway valued at \$67,440,000; 644 properties in the 100-year floodplain valued at \$152,660,000; and 955 properties in the 500-year floodplain valued at \$225,590,000. In addition to life and property, the transportation system along with wet and dry utilities are also at risk of flood damage.

At this time the Corps has not investigated alternatives to address these flood risks along Ralston Creek. A feasibility study under the authority of the Section 205 Continuing Authority Program provides that opportunity. The goal of the study will be to recommend a viable project to proceed to design and construction. The Corps has estimated the cost of this feasibility study to be approximately \$1,000,000 to be shared equally between the federal (Corps) and non-federal (the City of Arvada and the District) sponsors.

The District and City of Arvada have identified \$500,000 in non-federal sponsor total study costs for the Section 205 Feasibility Study with the District's participation being \$250,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 42 authorizes \$250,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Arvada for funding the non-federal sponsor share of a US Army Corps of Engineers' Section 205 Feasibility Study for Ralston Creek from Van Bibber Creek to Beech Street in the City of Arvada

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 42 on the Consent Agenda.

**d. Additional Authorization to Participate in Drainage and Flood Control Improvements on West Fork Kenneys Run from 23rd Street to 24th Street, City of Golden, Jefferson County
(Resolution No. 43, Series of 2015)**

This is a joint project with the City of Golden. Icon Engineering designed the project under contract with the District. The drainage elements of the project include installation of approximately 900 linear feet of open channel, two roadway crossings, and 3-drop structures from approximately 300 feet downstream of 23rd Street to approximately 300 feet upstream of 24th Street, within the City of Golden. The project will contain 100-year

flows within the West Fork improved channel and eliminate the existing flow separations that occur at the 23rd Street and 24th Street crossings. Easement and right-of-way acquisition is included in the project costs. After receiving construction bids, it has been determined additional funds are needed to complete the project.

The District and the City of Golden have now identified \$2,150,000 in total project costs with the District's participation being \$1,075,000. The previous authorizations (Resolution No. 33, Series of 2012; Resolution No. 17, Series of 2013; Resolution No. 59, Series of 2013; and Resolution No. 75, Series of 2014) totaled \$950,000 to fund design, acquisition of right-of-way and construction.

Resolution No. 43 authorizes an additional \$125,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Golden for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 43 on the Consent Agenda.

e. Additional Authorization to Participate in Drainage and Flood Control Improvements on Pond 12 Along Happy Canyon Creek at Monarch Boulevard, City of Castle Pines, Douglas County (Resolution No. 44, Series of 2015)

This is a joint project with the Castle Pines Metro District. The project includes improvements to Pond 12 along Happy Canyon Creek at Monarch Boulevard. Castle Pines Metro District is administering the design with Muller Engineering Company, Inc. Easement and right-of-way acquisition is included in the project costs. Construction is anticipated in 2016.

The District and the Castle Pines Metro District have identified \$780,000 in total project costs with the District's participation being \$80,000. The previous authorization, Resolution No. 40, Series of 2015, totaled \$50,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 44 authorizes an additional \$30,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the Castle Pines Metro District for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 44 on the Consent Agenda.

f. Amendment to the Emergency Contingency Fund (Resolution No. 45, Series of 2015)

The UDFCD Emergency Contingency Fund (ECF) was first established in 1981 (Resolution No. 54, Series of 1981) in the amount of \$500,000 to assist in the maintenance requirements following an unusual flood event. To date, these funds were only authorized for use once, during the 2013 September flood events. The clean-up from the 2013 floods totaled more than \$1.2 million, mostly spent in Boulder County. As a result of these costs, it was determined to increase the amount in the ECF for assistance in future flood events.

Resolution No. 45 increases the ECF to \$1,000,000. Mr. Hindman explained that every year \$200,000 would be transferred from the maintenance fund to the ECF until it reaches \$1,000,000. It will take two more years before the ECF is fully funded.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 45 on the Consent Agenda.

6. Vote on Approval of the Consent Agenda (*Motion and roll call vote required*)

It was the consensus of the Board that Resolutions No. 41, 42, 43, 44, and 45, Series of 2015, and Cash Disbursements dated August and September 2015 be placed on the Consent Agenda. Mayor

Atchison moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

7. Reports/Discussion

a. 2016 Draft Budget

The Draft 2016 Budget was distributed to the Board a few days prior to the Board Meeting. Mr. Hindman provided a general outline of the financial model including how TABOR is calculated, assessed valuations, and TABOR refunds. Mr. Hindman asked that the Board review the budget and direct any questions to him.

The Board will be approving the Final 2016 Budget at the October Board Meeting. The Final 2016 Budget will be sent out to the Board in advance of the October Board Meeting.

b. Executive Director's Report

The Executive Director's report (attached) was included in the meeting handouts. Mr. Hindman reviewed the report with the Board.

8. Other Business

Mr. David Bennetts briefed the Board on the 2015 Federal Flood Disaster Declaration and potential for reimbursement from FEMA to local governments for flood recovery assistance. Adams County, the City of Thornton, and the City and County of Denver are applying for assistance. The District is supporting this effort initially by providing damage assessments, so far we are estimating over \$3 million in damage in Denver alone. FEMA will cover up to 75% of the cost of emergency clean-up and flood damage repairs. The District will continue to work with local governments through this assessment process, and long term on the repairs of the damage.

9. Announcements

- a.** Next Regularly Scheduled Meeting: Thursday, October 15, 2015

10. Adjournment

Councilman Lopez adjourned the meeting at 2:00 pm.

Executive Director's Report

September 17, 2015

ADMINISTRATIVE

I'm sad to announce that Krystle Alirez, our Electronic Document Management Administrator, has accepted a position with Jefferson County in their Finance and Information Technology Department. Krystle started with us as a student intern and eventually, was hired to a staff position. Last spring, Krystle earned her Master's Degree in Public Administration and in her new role as Budget Analyst, she will utilize her advanced education, which she worked so hard to get. Commissioner Szabo is gaining a stellar employee.

To fill her position, Kecia Doke, our part-time receptionist has stepped up and taken the role to manage our records. Her first day as Records Systems Coordinator was Monday, September 15th. Congratulations to both Krystle and Kecia!

PROGRAM

Design, Construction, and Maintenance: The deadline for local government input on which projects they would like to have accomplished in 2016 was September 1st. We have received many requests and are in the process of compiling and prioritizing them. Both the Capital Improvement Program and Maintenance Work Program will be approved at the November Board Meeting. Although the deadline has passed, last-minute requests are still being considered.

Finance: I realize that I reported this last month, but I wanted to reiterate that our new accounting system is working remarkably well with a few hiccups here and there. In fact, the software is so much more user friendly, I'm thinking about asking our auditor for a rebate for this year's audit. I'm pretty sure the answer will be 'no.'

STATE AND FEDERAL GOVERNMENT ADVOCACY

State and Local Government: All is quiet for now.

Federal: The waters of the U.S. rulemaking, released by EPA and the USACE, went into effect on August 28th. Colorado was part of a multi-state lawsuit, headed by North Dakota, to be exempt from that rulemaking. A U.S. 8th District court judge delivered a court order to that effect. As this ruling winds its way through the court system, I'll give periodic updates as to the status. Interestingly, through my connections with the American Public Works Association (APWA) and the National Association of Storm and Floodplain Management Agencies (NAFSMA), I've received documentation that shows General Peabody with the USACE is trying to distance the Corps from EPA on this matter. One quote, in a letter dated May 15, 2015, from the General to the Assistant Secretary of the Army, states "shall not identify Corps as Author, co-author, or substantive contributor."

PERSONAL

I've recently returned from two annual conferences; APWA and NAFSMA. It reinforced to me the value in creating and fostering professional relationships. I live in the world of stormwater but many times throughout my career, I've had to understand an issue that is totally unrelated but intersects with stormwater. Having a relationship with other professionals allows me to tap into those resources. I've made good friends with traffic, street, solid waste, water supply, airports, and many other public works professionals. I've even closely connected with some of the European counterparts. These relationships have also directly benefited the District. One example is that knowing the new "green streets" design allows me to understand how they can be integrated with stormwater green infrastructure.



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 46, SERIES OF 2015
(Certification of Tax Levy)

WHEREAS, authority for the Board of Directors to levy and cause to be collected taxes on and against all taxable property within the District by certifying to the body having authority to levy taxes within each county wherein the District has any territory, the rate so fixed with directions that such body having authority to levy taxes shall levy such taxes upon the assessed valuation of all taxable property within the District in addition to such other taxes as may be levied by such body as contained in 32-11-217(1)(c) (I) and (I.5) C.R.S.; and

WHEREAS, the net assessed valuation of the District of all taxable property subject to taxation for the year of 2015 is \$45,292,852,741 for all territories within the District, and the individual totals for each county wherein the District has territory are as follows:

ADAMS	\$ 5,100,333,130
ARAPAHOE	\$ 8,885,573,065
BOULDER	\$ 5,077,710,488
BROOMFIELD	\$ 1,230,789,309
DENVER	\$13,447,403,203
DOUGLAS	\$ 4,327,720,873
JEFFERSON	\$ 7,253,322,673

WHEREAS, authority for the Board of Directors to levy a rate not in excess of 1.0 mill for those portions of Adams, Arapahoe, Denver, Douglas, and Jefferson counties lying within the District is contained in 32-11-217(1)(c)(I) and 32-11-217(1)(c)(I.5) C.R.S., with the further provision that one-tenth of a mill shall be used for engineering and operations of the District; four-tenths of a mill shall be used for capital construction; four-tenths of a mill shall be used for maintenance; and one-tenth of a mill shall be used for the maintenance of and improvements on that portion of the South Platte River and its tributaries, which lie within the District; and

WHEREAS, authority for the Board of Directors to levy a rate not in excess of nine-tenths of a mill for that portion of Boulder County and the City and County of Broomfield lying within the District is contained in 32-11-217(1)(c)(I) C.R.S., with the further provision that one-tenth of a mill shall be used for engineering and operations of the District, four-tenths of a mill shall be used for capital construction, and four-tenths of a mill shall be used for maintenance and preservation of floodways and floodplains.

IN ADDITION:

WHEREAS, the District for the fiscal year 2016 (2015 taxes collected in 2016 hereinafter referred to as "fiscal year 2016") has determined to levy 0.780 mill on all taxable property within the District in the counties of Adams, Arapahoe, Denver, Douglas, and Jefferson and levy 0.696 mill on all taxable property within the District in the County of Boulder and the City and County of Broomfield; and

WHEREAS, such levies will cause the revenues to the District for the fiscal year 2016 to exceed the limitations set forth in Section 20 of Article X of the Constitution of Colorado (The Taxpayers Bill of Rights) TABOR by approximately \$7,490,471; and

WHEREAS, the District has determined to comply with TABOR in regard to fiscal year 2016 by a temporary mill levy reduction in advance of the receipt of revenues in 2016 of 0.169 mill on all taxable property within the District in the counties of Adams, Arapahoe, Denver, Douglas, and Jefferson and by a temporary mill levy reduction in advance of the receipt of revenues in 2016 of 0.143 mill on all taxable property within the District in the County of Boulder and the City and County of Broomfield; and

WHEREAS, such temporary mill levy rate reductions in advance of the receipt of revenues in fiscal year 2016 will lower the receipt of revenues by the District to an amount that will not exceed the limitations set forth in TABOR.

NOW, THEREFORE, BE IT RESOLVED:

That the Board of Directors of the District does hereby adopt the following:

SECTION 1: In Adams, Arapahoe, Denver, Douglas, and Jefferson Counties the levy of taxes by the District shall be set at the net rate of 0.611 mill (see Exhibit A) on and against all taxable property within the District subject to taxation for the year 2016 after deducting the temporary mill levy reduction referred to above.

SECTION 2: In Boulder County and the City and County of Broomfield the levy of taxes by the District shall be set at the net rate of 0.553 mill (see Exhibit B) on and against all taxable property within the District subject to taxation for the year 2016 after deducting the temporary mill levy reduction referred to above.

SECTION 3: These levies shall be certified to the body having authority to levy taxes within each county wherein the District has any territory, to wit: the City Council of the City and County of Denver, the City Council of the City and County of Broomfield and the separate Boards of County Commissioners of Adams, Arapahoe, Boulder, Douglas, and Jefferson Counties.

SECTION 4: The person whom the Board of Directors authorizes to receive the funds collected by the separate counties within the District shall be the Executive Director.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 46, SERIES OF 2015
(Certification of Tax Levy)

Exhibit A

Mill levy for Adams, Arapahoe, Denver, Douglas, and Jefferson Counties

	<u>Gross Levy</u>	<u>Temporary Mill Levy Reduction</u>	<u>Net Levy</u>
UDFCD (Parent) Levy	<u>0.696</u>	<u>0.143</u>	<u>0.553</u>
UDFCD/SPR Levy	<u>0.084</u>	<u>0.026</u>	<u>0.058</u>
Total	<u>0.780</u>	<u>0.169</u>	<u>0.611</u>

Net Levy is 0.611 mill

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 46, SERIES OF 2015
(Certification of Tax Levy)

Exhibit B

Mill levy for Boulder and Broomfield Counties

	<u>Gross Levy</u>	Temporary Mill Levy <u>Reduction</u>	<u>Net Levy</u>
UDFCD	0.696	0.143	0.553

Net Levy is 0.553 mill

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 47, SERIES OF 2015 (Adoption of 2016 Budget)

WHEREAS, budgets for the following funds have been considered by the Board of Directors of the Urban Drainage and Flood Control District:

1. General Fund
2. Special Revenue Fund - Construction
3. Special Revenue Fund - Maintenance
4. Special Revenue Fund - South Platte River
5. Capital Projects Fund
6. Flood Emergency Contingency Fund

WHEREAS, the Board of Directors of the Urban Drainage and Flood Control District considers all unreserved fund balances as of January 1, 2016 and December 31, 2016 to be “reserves” for future operations or capital replacement as defined in Section 20 of Article X of the Constitution of the State of Colorado; and

WHEREAS, the District scheduled a public hearing for October 15, 2015, and published notice of same; and

WHEREAS, said hearing has been held as provided by law.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District approves and adopts the following budgets for Fiscal (calendar) Year 2016 as hereinafter set forth.

I. GENERAL FUND

A.	FUND BALANCE: 1/1/16	
1.	Restricted - Emergency Reserve	117,387
2.	Reserve for Future Operations	974,202
B.	REVENUE:	
1.	Taxes	3,176,000
2.	Manuals and Publications	500
3.	Seminars and Conferences	25,000
4.	Master Plan Participation	0
5.	Floodplain Management Participation	0
6.	Self-Help Participation	0
7.	Early Warning Planning Participation	0
8.	USGS Data Participation	4,000
9.	Interest	7,000
10.	Miscellaneous	1,000
11.	Project Participation Refund	5,000
	Total Revenue	<u>3,218,500</u>
C.	OTHER FINANCING SOURCES AND OPERATING TRANSFERS:	
1.	Project Returns – Interest	5,000
2.	Transfers from Other Fund	0
	Total	<u>5,000</u>

D.	TOTAL FUNDS AVAILABLE:	4,197,702
E.	EXPENDITURES:	
1.	Salaries and Services	1,876,338
2.1	Floodplain Management Activities	412,000
2.2	Information Services and Flood Warning	286,000
3.	Drainage Master Plans	625,000
4.	Special Projects	515,000
5.	Office and Operating Costs	309,300
6.	Local Expenses and Travel	63,000
7.	Treasurer's Fees	46,288
8.	Other	19,000
9.	Emergency Reserve	37,171
10.	Transfer to Other Fund	0
	Total Expenditures	4,189,097
F.	FUND BALANCE: 12/31/16	
1.	Restricted - Emergency Reserve	154,558
2.	Reserve for Future Operations	8,604

II. SPECIAL REVENUE FUND - CONSTRUCTION

A.	FUND BALANCE: 1/1/16	
1.	Restricted - Emergency Reserve	346,408
2.	Reserve for Future Operations	1,360,778
B.	REVENUE:	
1.	Taxes	11,700,500
2.	Interest	15,000
3.	Other	0
4.	Project Participation Refund	90,000
	Total Revenues	11,805,500
C.	OTHER FINANCING SOURCES AND OPERATING TRANSFERS:	
1.	Project Returns - Interest	30,000
2.	Transfers from Other Funds	0
	Total	30,000
D.	TOTAL FUNDS AVAILABLE:	13,196,278
E.	EXPENDITURES:	
1.	Salaries and Services	985,921
2.	Operating Costs	369,600
3.	Local Expenses and Auto, and Travel	40,000
4.	Construction	11,270,000
5.	MGR Replacement Fund	0
6.	Treasurer's Fees	157,107
7.	Contingencies	275,000
8.	Emergency Reserve	76,512
9.	Transfer to Other Funds	0
	Total Expenditures	13,174,149

F.	FUND BALANCE: 12/31/16	
1.	Restricted – Emergency Reserve	422,929
2.	Reserve for Future Operations	22,129

III. SPECIAL REVENUE FUND - MAINTENANCE

A.	FUND BALANCE: 1/1/16	
1.	Restricted - Emergency Reserve	352,673
2.	Reserve for Future Operations	248,800
B.	REVENUES:	
1.	Taxes	12,065,000
2.	Interest	18,000
3.	Other	5,000
4.	Project Participation Refund	4,000
	Total Revenues	12,092,000
C.	OTHER FINANCING SOURCES AND OPERATING TRANSFERS:	
1.	Project Returns - Interest	1,000
2.	Transfers from Other Funds	0
	Total	1,000
D.	TOTAL FUNDS AVAILABLE:	12,341,800
E.	EXPENDITURES:	
1.	Salaries and Services	1,145,939
2.	Operating Costs	361,000
3.	Local Expenses and Auto, and Travel	48,000
4.	Maintenance Service	9,750,000
5.	Small Project Participation	0
6.	Flood Warning	600,000
7.	Treasurer's Fees	161,845
8.	Contingency	225,000
9.	Emergency Reserve	46,080
10.	Transfer to Other Funds	0
	Total Expenditures	12,337,865
F.	FUND BALANCE: 12/31/16	
1.	Restricted - Emergency Reserve	398,754
2.	Reserve for Future Operations	3,935

IV. SPECIAL REVENUE FUND - SOUTH PLATTE RIVER

A.	FUND BALANCE: 1/1/16	
1.	Restricted - Emergency Reserve	85,087
2.	Reserve for Future Operations	728,940
B.	REVENUE:	
1.	Taxes	2,455,000
2.	Interest	5,000
3.	Participation	0
4.	Project Participation Refund	0
5.	Other	0
	Total Revenues	2,460,000

C.	OTHER FINANCIAL SOURCES AND OPERATIONAL TRANSFERS:	
1.	Project Returns - Interest	0
2.	Transfer from Other Funds	0
	Total	<u>0</u>
D.	TOTAL FUNDS AVAILABLE:	3,188,940
E.	EXPENDITURES:	
1.	Salaries and Services	364,427
2.	Operating Costs	84,100
3.	Local Expenses and Travel	13,250
4.	Maintenance and Construction Service	2,640,000
5.	Property Owner Coop Projects	0
6.	Treasurer's Fees	36,915
7.	Other	8,000
8.	Emergency Reserve	39,314
9.	Transfer to Other Funds	0
	Total Expenditures	<u>3,186,006</u>
F.	FUND BALANCE: 12/31/16	
1.	Restricted - Emergency Reserve	124,401
2.	Reserve for Future Operations	2,934

VI. FLOOD EMERGENCY CONTINGENCY FUND

A.	FUND BALANCE: 1/1/16	
1.	Reserved for Future Operations	400,000
B.	OTHER FINANCIAL SOURCES AND OPERATIONAL TRANSFERS:	
	Transfers from Other Funds	200,000
C.	TOTAL FUNDS AVAILABLE:	600,000
D.	EXPENDITURES:	
1.	Emergency Projects	600,000
E.	FUND BALANCE: 12/31/16	
1.	Reserve for Future Operation	0

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 48, SERIES OF 2015 (Appropriation of Funds for 2016)

WHEREAS, the Board has duly adopted a budget for the fiscal (calendar) year of 2016 based on 2015 property tax revenues received in 2016 (hereinafter referred to as “fiscal year 2016”) as provided by law; and

WHEREAS, the Statutes of the State of Colorado require that a resolution appropriating 2015 property tax revenue funds for use in fiscal (calendar) year 2016 be adopted prior to making expenditures; and

WHEREAS, the Board of Directors of the Urban Drainage and Flood Control District considers all unreserved fund balances as of January 1, 2016, to be “reserves” for future operations or capital replacement as defined in Section 20 of Article X of the Constitution of the State of Colorado.

NOW, THEREFORE, BE IT RESOLVED THAT:

The following sums of money are hereby appropriated as of this date, October 15, 2015, to the uses and purposes hereinafter indicated for the operation of the Urban Drainage and Flood Control District during the fiscal (calendar) year 2016.

I. GENERAL FUND

A.	FUND BALANCE: 1/1/16	
1.	Restricted - Emergency Reserve	117,387
2.	Reserve for Future Operations	974,202
B.	REVENUE:	
1.	Taxes	3,176,000
2.	Manuals and Publications	500
3.	Seminars and Conferences	25,000
4.	Master Plan Participation	0
5.	Floodplain Management Participation	0
6.	Self-Help Participation	0
7.	Early Warning Planning Participation	0
8.	USGS Data Participation	4,000
9.	Interest	7,000
10.	Miscellaneous	1,000
11.	Project Participation Refund	5,000
	Total Revenue	3,218,500
C.	OTHER FINANCING SOURCES AND OPERATING TRANSFERS:	
1.	Project Returns – Interest	5,000
2.	Transfers from Other Fund	0
	Total	5,000
D.	TOTAL FUNDS AVAILABLE:	4,197,702
E.	EXPENDITURES:	
1.	Salaries and Services	1,876,338
2.1	Floodplain Management Activities	412,000
2.2	Information Services and Flood Warning	286,000
3.	Drainage Master Plans	625,000

4.	Special Projects	515,000
5.	Office and Operating Costs	309,300
6.	Local Expenses and Travel	63,000
7.	Treasurer's Fees	46,288
8.	Other	19,000
9.	Emergency Reserve	37,171
10.	Transfer to Other Fund	0
	Total Expenditures	<u>4,189,097</u>

F.	FUND BALANCE: 12/31/16	
1.	Restricted - Emergency Reserve	154,558
2.	Reserve for Future Operations	8,604

II. SPECIAL REVENUE FUND - CONSTRUCTION

A.	FUND BALANCE: 1/1/16	
1.	Restricted - Emergency Reserve	346,408
2.	Reserve for Future Operations	1,360,778

B.	REVENUE:	
1.	Taxes	11,700,500
2.	Interest	15,000
3.	Other	0
4.	Project Participation Refund	90,000
	Total Revenues	<u>11,805,500</u>

C.	OTHER FINANCING SOURCES AND OPERATING TRANSFERS:	
1.	Project Returns - Interest	30,000
2.	Transfers from Other Funds	0
	Total	<u>30,000</u>

D.	TOTAL FUNDS AVAILABLE:	13,196,278
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E.	EXPENDITURES:	
1.	Salaries and Services	985,921
2.	Operating Costs	369,600
3.	Local Expenses and Auto, and Travel	40,000
4.	Construction	11,270,000
5.	MGR Replacement Fund	0
6.	Treasurer's Fees	157,107
7.	Contingencies	275,000
8.	Emergency Reserve	76,512
9.	Transfer to Other Funds	0
	Total Expenditures	<u>13,174,149</u>

F.	FUND BALANCE: 12/31/16	
1.	Restricted – Emergency Reserve	422,929
2.	Reserve for Future Operations	22,129

III. SPECIAL REVENUE FUND - MAINTENANCE

A.	FUND BALANCE: 1/1/16	
1.	Restricted - Emergency Reserve	352,673
2.	Reserve for Future Operations	248,800

B.	REVENUES:	
1.	Taxes	12,065,000
2.	Interest	18,000
3.	Other	5,000
4.	Project Participation Refund	4,000
	Total Revenues	<u>12,092,000</u>
C.	OTHER FINANCING SOURCES AND OPERATING TRANSFERS:	
1.	Project Returns - Interest	1,000
2.	Transfers from Other Funds	0
	Total	<u>1,000</u>
D.	TOTAL FUNDS AVAILABLE:	12,341,800
E.	EXPENDITURES:	
1.	Salaries and Services	1,145,939
2.	Operating Costs	361,000
3.	Local Expenses and Auto, and Travel	48,000
4.	Maintenance Service	9,750,000
5.	Small Project Participation	0
6.	Flood Warning	600,000
7.	Treasurer's Fees	161,845
8.	Contingency	225,000
9.	Emergency Reserve	46,080
10.	Transfer to Other Funds	0
	Total Expenditures	<u>12,337,865</u>
F.	FUND BALANCE: 12/31/16	
1.	Restricted - Emergency Reserve	398,754
2.	Reserve for Future Operations	3,935

IV. SPECIAL REVENUE FUND - SOUTH PLATTE RIVER

A.	FUND BALANCE: 1/1/16	
1.	Restricted - Emergency Reserve	85,087
2.	Reserve for Future Operations	728,940
B.	REVENUE:	
1.	Taxes	2,455,000
2.	Interest	5,000
3.	Participation	0
4.	Project Participation Refund	0
5.	Other	0
	Total Revenues	<u>2,460,000</u>
C.	OTHER FINANCIAL SOURCES AND OPERATIONAL TRANSFERS:	
1.	Project Returns - Interest	0
2.	Transfer from Other Funds	0
	Total	<u>0</u>
D.	TOTAL FUNDS AVAILABLE:	3,188,940

E.	EXPENDITURES:	
1.	Salaries and Services	364,427
2.	Operating Costs	84,100
3.	Local Expenses and Travel	13,250
4.	Maintenance and Construction Service	2,640,000
5.	Property Owner Coop Projects	0
6.	Treasurer's Fees	36,915
7.	Other	8,000
8.	Emergency Reserve	39,314
9.	Transfer to Other Funds	0
	Total Expenditures	<u>3,186,006</u>
F.	FUND BALANCE: 12/31/16	
1.	Restricted - Emergency Reserve	124,401
2.	Reserve for Future Operations	2,934

VI. FLOOD EMERGENCY CONTINGENCY FUND

A.	FUND BALANCE: 1/1/16	
1.	Reserved for Future Operations	400,000
B.	OTHER FINANCIAL SOURCES AND OPERATIONAL TRANSFERS: Transfers from Other Funds	200,000
C.	TOTAL FUNDS AVAILABLE:	600,000
D.	EXPENDITURES:	
1.	Emergency Projects	600,000
E.	FUND BALANCE: 12/31/16	
1.	Reserve for Future Operation	0

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 49, SERIES OF 2015
(Acceptance of Leyden Creek Planning Study)

WHEREAS, the District cooperated with the City of Arvada in the preparation of a major drainageway planning study for Leyden Creek; and

WHEREAS, the Executive Director executed an agreement for engineering services with the consulting firm ICON Engineering, Inc. to conduct studies and prepare a major drainageway planning report for Leyden Creek; and

WHEREAS, the District reviewed the alternatives presented by ICON Engineering, Inc. and concurred with the need to complete the study based on an alternative selected in cooperation with the City of Arvada; and

WHEREAS, ICON Engineering, Inc. has completed the study and submitted to the District the report titled "Leyden Creek Major Drainageway Plan," dated October 2015.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled "Leyden Creek Major Drainageway Plan," dated October 2015, and recommends that all drainage, flood control and stormwater management infrastructure and practices recommended in the report be used to guide future drainage and flood control planning, land development, and design and construction of all such infrastructure within jurisdiction covered by said plan.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

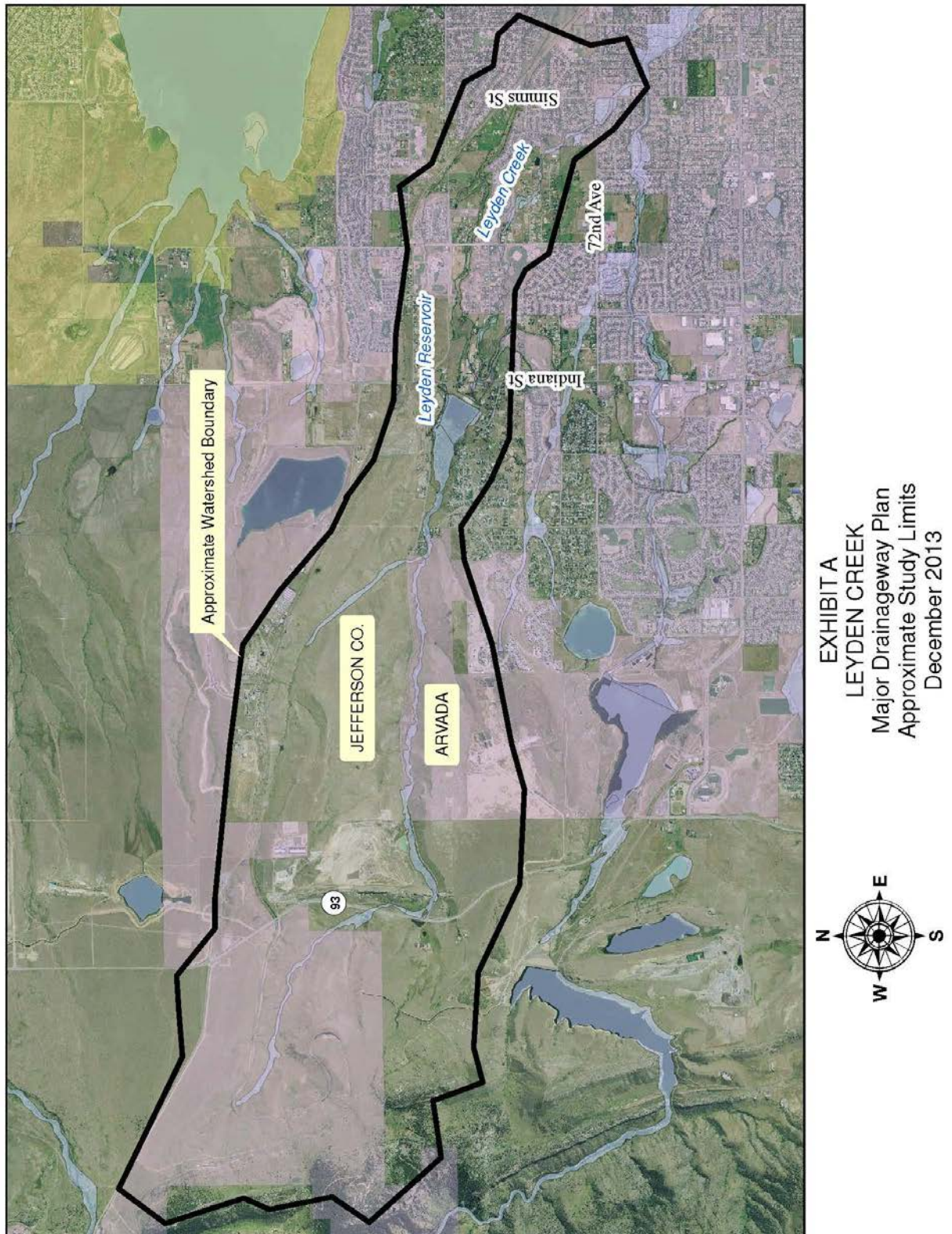
ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 49, SERIES OF 2015
(Acceptance of Leyden Creek Planning Study)



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 50, SERIES OF 2015
(Acceptance of Coal Mine Avenue Planning Study)

WHEREAS, the District cooperated with the Southeast Metro Stormwater Authority (SEMSWA) in the preparation of an alternatives analysis planning study for Coal Mine Avenue at Platte Canyon Road (Resolution No. 71, Series of 2013); and

WHEREAS, the Executive Director executed an agreement for engineering services with the consulting firm Matrix Design Group, Inc. to conduct studies and prepare an outfall system planning report for Coal Mine Avenue at Platte Canyon Road; and

WHEREAS, the District reviewed the alternatives presented by Matrix Design Group, Inc. and concurred with the need to complete the study based on an alternative selected in cooperation with SEMSWA; and

WHEREAS, Matrix Design Group, Inc. has completed the study and submitted to the District the report titled “Coal Mine Avenue at Platte Canyon Road Outfall Systems Plan” dated August 2015.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled “ Coal Mine Avenue at Platte Canyon Road Outfall Systems Plan,” dated August 2015, and recommends that all drainage, flood control and stormwater management infrastructure and practices recommended in the report be used to guide future drainage and flood control planning, land development, and design and construction of all such infrastructure within jurisdiction covered by said plan.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 50, SERIES OF 2015
(Acceptance of Coal Mine Avenue Planning Study)

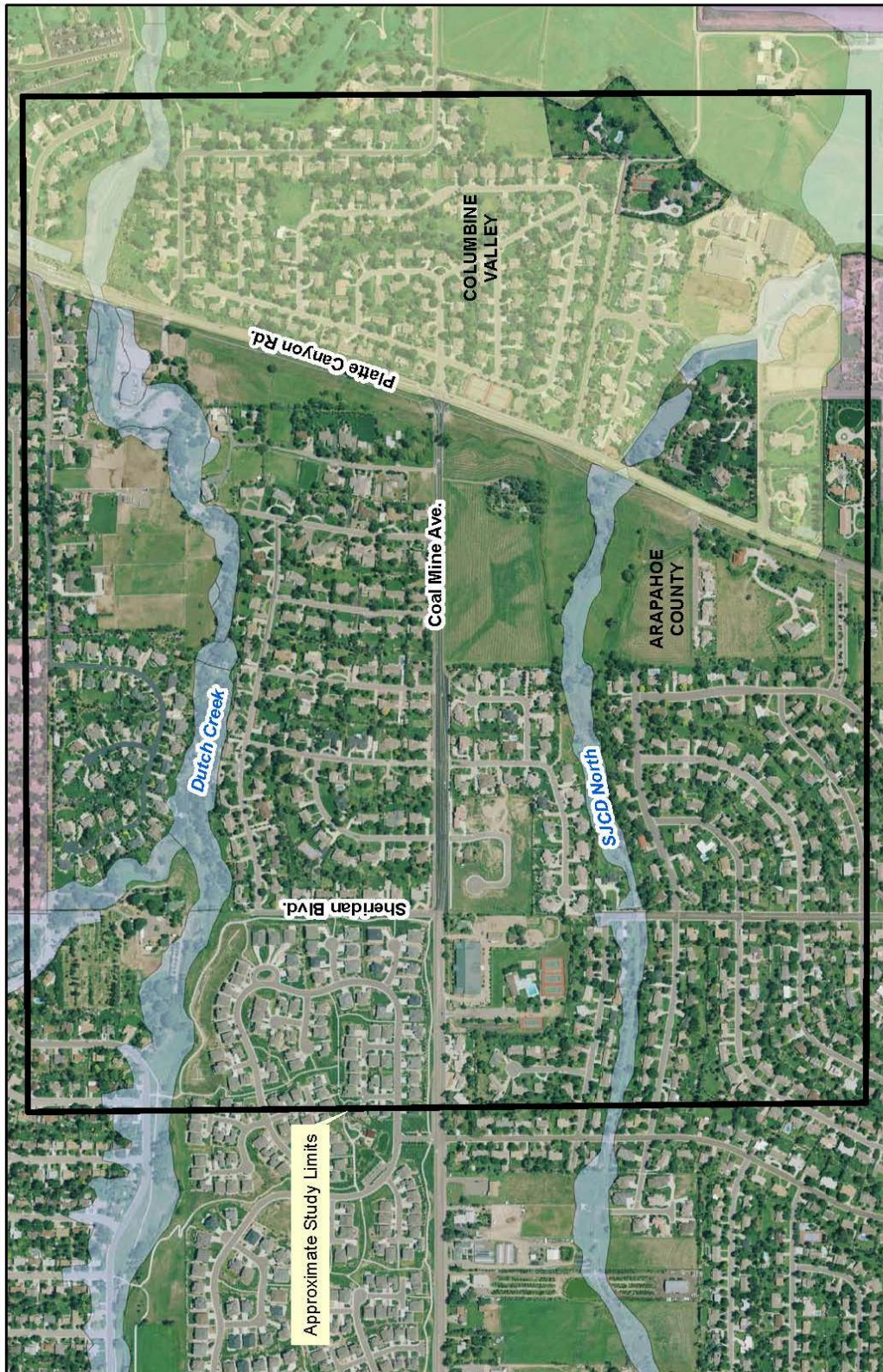
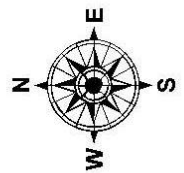


EXHIBIT A
Coal Mine Avenue at Platte Canyon Road
Alternatives Analysis
Approximate Study Limits
September 2014



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 51, SERIES OF 2015
(Acceptance of Newlin Gulch Planning Study)

WHEREAS, the District cooperated with the Town of Parker and Douglas County in the preparation of a major drainageway planning study for Newlin Gulch (Resolution No. 30, Series of 2012); and

WHEREAS, the Executive Director executed an agreement for engineering services with the consulting firm Muller Engineering Company, Inc. to conduct studies and prepare a major drainageway planning report for Newlin Gulch; and

WHEREAS, the District reviewed the alternatives presented by Muller Engineering Company, Inc. and concurred with the need to complete the study based on an alternative selected in cooperation with the Town of Parker and Douglas County; and

WHEREAS, Muller Engineering Company, Inc. has completed the study and submitted to the District the report titled "Newlin Gulch Major Drainageway Plan," dated October 2015.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled "Newlin Gulch Major Drainageway Plan," dated October 2015, and recommends that all drainage, flood control and stormwater management infrastructure and practices recommended in the report be used to guide future drainage and flood control planning, land development, and design and construction of all such infrastructure within jurisdiction covered by said plan.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 51, SERIES OF 2015
(Acceptance of Newlin Gulch Planning Study)

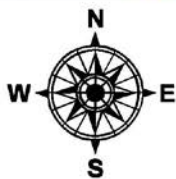
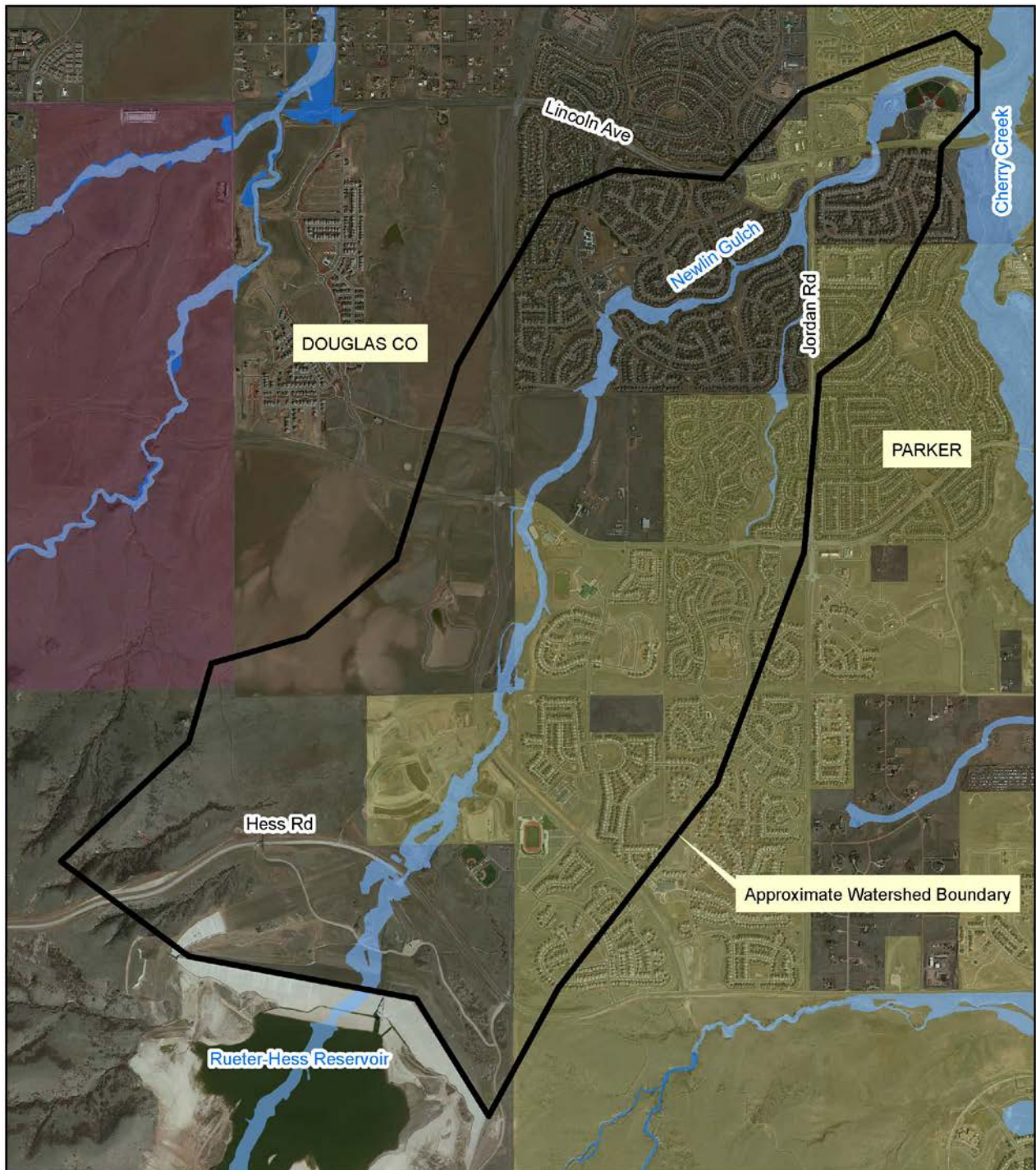


EXHIBIT A
Newlin Gulch Major Drainageway Plan
Approximate Study Limits
October 2015

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 52, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Niver Creek at Zuni Street, City of Federal Heights, Adams County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Federal Heights has enacted floodplain regulations; and

WHEREAS, the City of Federal Heights and the District cooperated in the preparation of "Extension of Niver Creek Major Drainageway Planning Study in Federal Heights Preliminary Design Report," dated December 2000; and

WHEREAS, the City of Federal Heights has requested District participation in the design, acquisition of right-of-way, and construction of improvements along Niver Creek at Zuni Street (Exhibit A); and

WHEREAS, the City of Federal Heights has estimated the total project costs to be \$760,000; and

WHEREAS, the District's participation being authorized by this resolution is \$30,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Niver Creek at Zuni Street; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Niver Creek at Zuni Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City of Federal Heights for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Niver Creek at Zuni Street.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Niver Creek at Zuni Street.
3. The District's maximum contribution to the Niver Creek at Zuni Street project, without prior approval of the Board, shall be \$30,000 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Federal Heights.
4. Such approval for expenditure of District funds is contingent upon the City of Federal Heights agreeing to regulate and control any defined floodplain in the Niver Creek at Zuni Street project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 52, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
On Niver Creek at Zuni Street, City of Federal Heights, Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 53, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial and Unincorporated Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Centennial and Arapahoe County have enacted floodplain regulations; and

WHEREAS, the City of Centennial and Arapahoe County have assigned and transferred to the Southeast Metro Stormwater Authority (SEMSWA) its rights and obligation for the Piney Creek at Caley Drive project; and

WHEREAS, SEMSWA, Douglas County, and the District cooperated in the preparation of "Piney Creek Major Drainageway Plan," dated February 2012; and

WHEREAS, the Board previously authorized (Resolution No. 40, Series of 2006; Resolution No. 57, Series of 2007; Resolution No. 69, Series of 2007; Resolution No. 7, Series of 2008; Resolution No. 11, Series 2009; Resolution No. 33, Series 2010; Resolution No. 66, Series 2010; Resolution No. 27, Series of 2011; Resolution 46, Series 2013; Resolution No. 23, Series 2014; Resolution 28, Series 2014; and Resolution 26, Series 2015) \$3,258,000 for design, acquisition of right-of-way, and construction of improvements along Piney Creek at Caley Drive (Exhibit A); and

WHEREAS, SEMSWA, the Cherry Creek Basin Water Quality Authority (CCBWQA), and the District now desire to construct improvements along Piney Creek at Caley Drive; and

WHEREAS, SEMSWA, CCBWQA, and the District have estimated the additional project costs to be \$100,000 resulting in a revised total project cost of \$7,016,000 (\$3,358,000 District, \$3,108,000 SEMSWA, and \$550,000 CCBWQA); and

WHEREAS, the District's additional participation being authorized by this resolution is \$100,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Piney Creek at Caley Drive; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Piney Creek at Caley Drive were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 40, Series of 2006, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Piney Creek at Caley Drive project without prior approval of the Board shall be ~~\$3,258,000~~ **\$3,358,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by SEMSWA and CCBWQA."
2. All other conditions and authorizations remain as stated in Resolution No. 40, Series of 2006.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

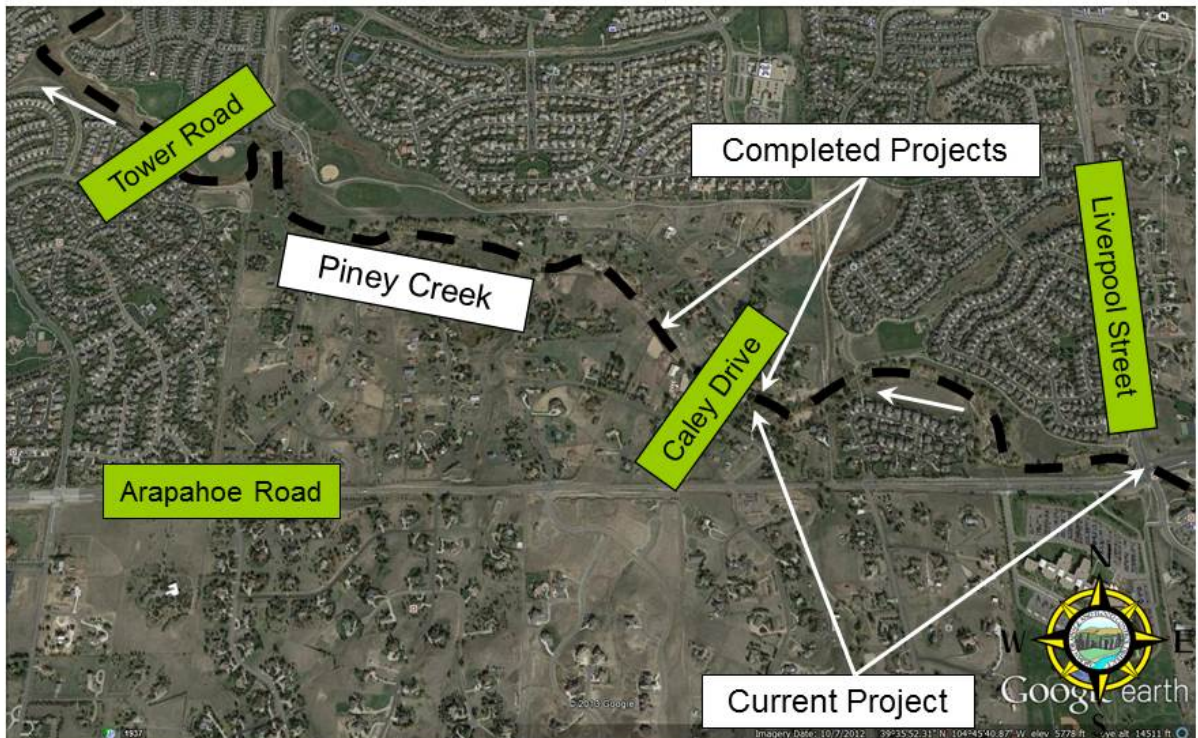
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 53, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial and Unincorporated Arapahoe County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 54, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Happy Canyon Creek North of Lincoln Avenue, Douglas County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Douglas County has enacted floodplain regulations; and

WHEREAS, Douglas County and the District cooperated in the preparation of "Happy Canyon Creek Major Drainageway Plan," dated March 2014; and

WHEREAS, Douglas County has requested District participation in the design, acquisition of right-of-way, and construction of improvements along Happy Canyon Creek north of Lincoln Avenue (Exhibit A); and

WHEREAS, Douglas County has estimated the total drainage project costs to be \$406,600; and

WHEREAS, the District's participation being authorized by this resolution is \$62,500; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Happy Canyon Creek north of Lincoln Avenue; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Happy Canyon Creek north of Lincoln Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with Douglas County for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Happy Canyon Creek north of Lincoln Avenue.
2. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, qualified contractors, and others as necessary for the design, acquisition of right-of-way, and construction of drainage and flood control improvements on Happy Canyon Creek north of Lincoln Avenue.
3. The District's maximum contribution to the Happy Canyon Creek north of Lincoln Avenue project, without prior approval of the Board, shall be \$62,500 plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by Douglas County.
4. Such approval for expenditure of District funds is contingent upon Douglas County agreeing to regulate and control any defined floodplain in the Happy Canyon Creek north of Lincoln Avenue project area in accordance with the National Flood Insurance Program Regulation as a minimum; agreeing to maintain the completed facilities in a manner acceptable to the District; granting the District access to the completed improvements at all times; and agreeing not to make any changes to the improvements without the District's approval.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 54, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
on Happy Canyon Creek North of Lincoln Avenue, Douglas County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 55, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Pond 12 Along Happy Canyon Creek at Monarch Boulevard,
City of Castle Pines, Douglas County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Castle Pines has enacted floodplain regulations; and

WHEREAS, Douglas County and the District cooperated in the preparation of "Happy Canyon Creek Major Drainageway Plan," dated March 2014; and

WHEREAS, the Board previously authorized (Resolution No. 40, Series of 2015 and Resolution No. 44, Series of 2015) \$80,000 for design, acquisition of right-of-way, and construction of improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard (Exhibit A); and

WHEREAS, the Castle Pines Metro District and the District now desire to construct improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard; and

WHEREAS, the Castle Pines Metro District has estimated the additional drainage project costs to be \$62,500 resulting in a revised total drainage project cost of \$842,500 (\$142,500 District; \$700,000 Castle Pines Metro District); and

WHEREAS, the District's additional participation being authorized by this resolution is \$62,500; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund–Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements on Pond 12 along Happy Canyon Creek at Monarch Boulevard were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 40, Series of 2015, Paragraph 3, is amended as follows:
"The District's maximum contribution to the Pond 12 along Happy Canyon Creek at Monarch Boulevard project without prior approval of the Board shall be ~~\$80,000~~ **\$142,500** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by Castle Pines Metro District."
2. All other conditions and authorizations remain as stated in Resolution No. 40, Series of 2015.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 55, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Pond 12 Along Happy Canyon Creek at Monarch Boulevard,
City of Castle Pines, Douglas County)

EXHIBIT A





URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

BOARD OF DIRECTORS MEETING

Date: Thursday, November 19, 2015

Time: 1:00 pm

Catered Lunch – 12:15 pm

How the District Works – 12:45 – 1:00 pm

1. **Call to Order and Pledge of Allegiance – 1:00 pm**
2. **Introductions**
 - a. Swearing in of New Board Members:
 - i. Mayor Pro Tem Bob Fifer (City of Arvada)
 - b. Visitors/Guests/Staff
 - c. Awards/Recognitions
3. **Roll Call – Determination of Quorum**
4. **Approval of October 15, 2015 Meeting Minutes** *(If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”)*
5. **Public Hearing**
 - a. Presentation of Proposed 2015 – 2019 Five-Year Capital Improvement Plan
6. **Consent Agenda** *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*
 - a. Review of Cash Disbursements
 - b. Adoption of 2016 Work Program
(Resolution No. 56, Series of 2015)
 - c. Adoption of Five-Year Capital Improvement Plan (CIP) 2015 - 2019
(Resolution No. 57, Series of 2015)
 - d. Authorization of 2016 Maintenance Plan Expenditures
(Resolution No. 58, Series of 2015)
 - e. Authorization of 2016 Operation Expenditures for the South Platte River
(Resolution No. 59, Series of 2015)
 - f. Authorization to Enter Into Agreement with the U.S. Geological Survey (USGS)
for Rainfall/Runoff Investigation
(Resolution No. 60, Series of 2015)
 - g. Authorization to Assist Communities with NPDES MS4 Permit Compliance to Develop
Engineering Criteria and Software, and to Conduct Stormwater Management Research
(Resolution No. 61, Series of 2015)
 - h. Authorization for a Planning Study of Sloan’s Lake Basin
(Resolution No. 62, Series of 2015)
 - i. Authorization for a Planning Study of Quincy Drainage, Shop Creek and Meadowood Drainageway
(Resolution No. 63, Series of 2015)
 - j. Authorization for a Planning Study of Weaver Creek
(Resolution No. 64, Series of 2015)
 - k. Authorization for a Flood Hazard Area Delineation for the South Platte River
(Resolution No. 65, Series of 2015)
7. **Vote on Approval of the Consent Agenda** *(Motion and roll call vote required)*

8. Reports/Discussion

9. Other Business

- a. Call for Volunteers: Nominating Committee for 2016 Officers
- b. Call for Volunteers: 2016 Legislative Committee

10. Announcements

- a. Next Regularly Scheduled Meeting: **Thursday, December 17, 2015**

11. Adjournment



**URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
BOARD OF DIRECTORS**

October 15th 2015

MINUTES

Members Present:

Herb Atchison, Mayor, City of Westminster
Joyce Downing, Mayor, City of Northglenn
Stacie Gilmore, Council Member, City/County of Denver
Debi Hunter-Holen, Mayor Pro Tem, City of Aurora
Suzanne Jones, Mayor Pro Tem, City of Boulder
Paul Kashmann, Council Member, City/County/Denver
Paul Lopez, Council Member, City/County of Denver
Ken Lucas, Mayor Pro Tem, City of Centennial
Mark McGoff, Mayor Pro Tem, City of Arvada
Bonnie McNulty, Mayor, City of Edgewater
Bob Murphy, Mayor, City of Lakewood
Dave Sellards, Engineer
Nancy Sharpe, Commissioner, Arapahoe County
Greg Stokes, Mayor Pro Tem, City/County of Broomfield
Libby Szabo, Commissioner, Jefferson County
Charles (Chaz) Tedesco, Commissioner, Adams County
Heidi Williams, Mayor, City of Thornton

Members Absent:

Bruce Beckman, Mayor Pro Tem, City of Littleton
Deb Gardner, Commissioner, Boulder County
Mark Hunter, Engineer
Cary Kennedy, Deputy Mayor, City/County of Denver
Jill Repella, Commissioner, Douglas County

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Julia Bailey	Project Engineer, Information Services & Flood Warning
Dave Bennetts	Manager, Design, Construction, and Maintenance
Richard Borchardt	Project Manager, Design, Construction, and Maintenance
Barbara Chongtous	Project Manager, Design, Construction, and Maintenance
Amelia Deleon	Human Resources and Administrative Services Manager
Terri Fead	Project Manager, Floodplain Management
Bryan Kohlenberg	Project Manager, Design, Construction, and Maintenance
Laura Kroeger	Assistant Program Manager, Design, Construction, and Maintenance
Ken MacKenzie	Manager, Master Planning
David Mallory	Program Manager, Floodplain Management
Teresa Patterson	Project Manager, Floodplain Management
Holly Piza	Project Manager, Master Planning
Teri Scafer	Controller
David Skuodas	Project Manager, Design, Construction, and Maintenance
Shea Thomas	Project Manager, Master Planning

Others Present:

None.

How the Districts Works – Consultant Selection

Mr. Hindman conducted a presentation entitled, “Consultant Selection” for this month’s How the District Works presentation.

1. Call to Order and Pledge of Allegiance – 1:00 p.m.

Councilman Lopez called the meeting to order at 1:03 p.m.

2. Roll Call – Determination of Quorum

Roll was called and a quorum was declared present.

3. Introductions

a. Visitors/Guests/Staff

None.

b. Awards/Recognitions

The following awards were presented by Mr. David Bennetts:

The Eco Park on Cherry Creek project was awarded the Colorado Association of Stormwater and Floodplain Managers (CASFM) Grand Award, a state-wide award for the best drainage and flood control project. Congratulation to Mr. Richard Borchardt, UDFCD Project Manager, for his leadership on this \$5 million dollar project.

The Johnson-Habitat Park on the South Platte River project also won several awards (CASFM Honor Award, CCASLA Merit Award for Design, and the APWA Large Project Award). Highlights of the project include:

- Park project in an underserved area
- Over 70 properties were taken out of the floodplain
- Reclamation of contaminated site

Mr. Hindman congratulated Mr. Bennetts, UDFCD Project Manager, for the Johnson-Habitat Park project.

4. Board Approval of September 17th 2015 Meeting Minutes *(If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”)*

Councilman Lopez asked if there were any corrections to the September 17, 2015 minutes. Hearing none, the minutes were approved as submitted.

5. Public Hearing

a. 2016 Budget

Councilman Lopez opened the public hearing at 1:13 pm.

Three resolutions were introduced in the budget discussion. Resolution No. 46 certifies the levy, Resolution No. 47 adopts the 2016 Budget, and Resolution No. 48 appropriates the funds.

Mr. Hindman stated that the final budget numbers were very close to the draft that was distributed at the last Board meeting. He then went on to identify parts of the budget that show the most significant change in numbers since the draft, followed by a brief overview of the five funds that make up the total budget. The first four derive revenue from property taxes and include the General Fund, Construction, Maintenance, and the South Platte River. The remaining fund, Flood Emergency, is dependent on a transfer from the Maintenance Fund.

Councilman Lopez requested comments or questions from the Board and public. There being none, the public hearing was closed at 1:18 pm.

6. Consent Agenda *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*

a. Review of Cash Disbursements

Cash Disbursement list, dated September and October 2015, had been distributed to the Board for review. There being no further comments or questions, it was the consensus of the Board to include approval of the Cash Disbursements on the Consent Agenda.

**b. Acceptance of Certification of Tax Levy
(Resolution No. 46, Series of 2015)**

Resolution No. 46, Certification of Tax Levy, was discussed during the Public Hearing portion of the meeting. There being no further comments or questions, it was the consensus of the Board to place Resolution No. 46 on the Consent Agenda.

**c. Adoption of 2016 Budget
(Resolution No. 47, Series of 2015)**

Resolution No. 47, Adoption of 2016 Budget, was discussed during the Public Hearing portion of the meeting. There being no further comments or questions, it was the consensus of the Board to place Resolution No. 47 on the Consent Agenda.

**d. Appropriation of Funds for 2016
(Resolution No. 48, Series of 2015)**

Resolution No. 48, Appropriation of Funds for 2016, was discussed during the Public Hearing portion of the meeting. There being no further comments or questions, it was the consensus of the Board to place Resolution No. 48 on the Consent Agenda.

**e. Acceptance of Leyden Creek Planning Study
(Resolution No. 49, Series of 2015)**

The District partnered with the City of Arvada in a major drainageway planning study of Leyden Creek. Arvada funded the study and UDFCD managed the consultant, ICON Engineering. The watershed area is approximately 11.8 square miles in area; the creek is approximately 10.5 miles in length. Leyden Creek has been previously studied by UDFCD as reported in the following documents:

- Major Drainageway Planning Ralston/Leyden Creek (Wright-McLaughlin, 1977)
- Ralston Van Bibber and Leyden Major Drainageway Plan (Wright Water, 1986)

In September 2013, Leyden Creek experienced greater than 100-year flows. The emergency spillway of Leyden Dam was engaged, several roadway culvert crossings were destroyed and many houses were flooded due to mingling of stormwater and ditch water flows. As a result of the damage, the City of Arvada wanted to restudy the creek prior to implementing major improvements and to determine what needs to be done to prevent the damages in the future.

Improvements recommended in the study include:

- Channel and existing pond grading improvements to increase capacity and remove flood risk to existing habitable structures.
- Reconfiguration of Croke Canal crossing structure to prevent mingling of stormwater flows with ditch water flows.
- New crossing at Blue Mountain Road to prevent trans-basin flow diversions experienced in 2013 flood.
- Increased capacity roadway crossings to prevent overtopping.
- Grade control structures to prevent vertical degradation.

The total cost of improvements recommended in the study is approximately \$17 million, including contingencies. Resolution No. 49 accepts the report and recommends the improvements and practices in the report be used as a guide in future public works projects and in land development activities.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 49 on the Consent Agenda.

**f. Acceptance of Coal Mine Avenue Planning Study
(Resolution No. 50, Series of 2015)**

Resolution No. 71 of 2013 authorized an alternatives analysis study for drainage issues in the vicinity of Coal Mine Avenue at Platte Canyon Road. The District partnered with the Southeast Metro Stormwater Authority (SEMSWA) to fund the study, and Arapahoe County was also an involved stakeholder. Matrix Design Group was selected to perform the study.

The study area includes the Coal Mine Avenue corridor from Sheridan Boulevard to Platte Canyon Road. The corridor is on the ridgeline between the watersheds of Dutch Creek (to the north) and South Jefferson County Drainageway (SJCD, to the south).

Three outfall alternatives were considered: a southerly route directs flows into SJCD via a combination of curb and gutter and storm drains; an easterly route that directs flows through the Burning Tree Subdivision; and a northerly route that directs flows to Dutch Creek via a combination of curb and gutter, storm drains and surface swales. The northerly route was selected as the preferred alternative. The total cost of improvements recommended in the study is approximately \$240,000 which does not include the costs for the Coal Mine Avenue roadway widening. Resolution No. 50 accepts the report and recommends the improvements and practices in the report be used as a guide in future public works projects and in land development activities.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 50 on the Consent Agenda.

**g. Acceptance of Newlin Gulch Planning Study
(Resolution No. 51, Series of 2015)**

Resolution No. 30 of 2012 authorized a major drainageway planning study for Newlin Gulch downstream of the Reuter-Hess Reservoir. The District partnered with the Town of Parker and Douglas County to fund the study. Muller Engineering Company was selected to perform the study. The watershed area is approximately 15 square miles in area. The study focuses on the four miles of mainstream downstream of the dam.

Newlin Gulch has been previously studied by the District as reported in the following documents:

- Flood Hazard Area Delineation, Happy Canyon Creek, Newlin Gulch, Baldwin Gulch, Sulphur Gulch, Tallman Gulch (HNTB, 1977)
- Newlin and Baldwin Gulches and Basin 4600-09 Outfall Systems Planning Study (Kiowa, 1993)

Reuter-Hess Reservoir is a water supply reservoir owned by Parker Water and Sanitation District and located on the mainstream of Newlin Gulch in the central portion of the watershed. The construction of the reservoir was completed in 2012. This study re-evaluated the hydrology in the watershed due to the construction of the dam and also re-delineated the resulting floodplain downstream.

Improvements recommended in the study include:

- Channel improvements to increase the flow capacity and remove flood risk to public property.
- Increased capacity roadway crossings to prevent overtopping, including the frequently inundated entrance to the Parker Recreation Center.
- Drop structures to prevent vertical degradation.
- Bank stabilization to prevent lateral degradation.

The total cost of improvements recommended in the study is approximately \$16 million, including contingencies. Resolution No. 51 accepts the report and recommends the improvements and practices in the report be used as a guide in future public works projects and in land development activities.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 51 on the Consent Agenda.

**h. Authorization to Participate in Drainage and Flood Control Improvements on Niver Creek at Zuni Street, City of Federal Heights, Adams County
(Resolution No. 52, Series of 2015)**

This is a joint project with the City of Federal Heights. The City of Federal Heights desires to design, acquire right-of-way, and construct improvements along Niver Creek at Zuni Street in accordance with the "Extension of Niver Creek Major Drainageway Planning Study in Federal Heights Preliminary Design Report", dated December 2000. The project includes improvements to Niver Creek at Zuni Street and upstream in Ruston Park.

The City of Federal Heights already holds the necessary easements and right-of-way where the project will be carried out. The District will be administering the design once a consulting engineering firm is selected. The District and the City of Federal Heights desire to construct the improvements which will be managed by the District. Construction is anticipated in 2016.

The District and the City of Federal Heights have identified \$760,000 in total project costs for the design, right-of-way acquisition, and construction with the District's initial participation being \$30,000 in 2015 funds. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 52 authorizes \$30,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Federal Heights for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 52 on the Consent Agenda.

i. Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial and Unincorporated Arapahoe County (Resolution No. 53, Series of 2015)

This is a joint project with SEWSWA and the Cherry Creek Basin Water Quality Authority (CCBWQA).

CH2M is designing the project under contract with the District. The drainage elements of the project include installation of channel restoration including bank protection and drop structures. Easement and right-of-way acquisition is included in the project costs. The final design is in progress and the District, SEMSWA, and CCBWQA desire to construct the improvements which will be managed by the District. Construction is anticipated in 2017.

The District, SEMSWA, and CCBWQA have identified \$7,016,000 in total project costs with the District's participation being \$3,358,000. The previous authorizations, (Resolution No. 40, Series of 2006; Resolution No. 57, Series of 2007; Resolution No. 69, Series of 2007; Resolution No. 7, Series of 2008; Resolution No. 11, Series 2009; Resolution No. 33, Series 2010; Resolution No. 66, Series 2010; Resolution No. 27, Series of 2011; Resolution No. 46, Series 2013; Resolution 23, Series 2014, and Resolution No. 26, Series 2015) totaled \$3,258,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 53 authorizes an additional \$100,000 of District funds from the Special Revenue Fund - Construction to at least be matched by SEMSWA and CCBWQA for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 53 on the Consent Agenda.

j. Authorization to Participate in Drainage and Flood Control Improvements on Happy Canyon Creek North of Lincoln Avenue, Douglas County (Resolution No. 54, Series of 2015)

This is a joint project with Douglas County. Douglas County desires to design, acquire right-of-way, and construct improvements along Happy Canyon Creek north of Lincoln Avenue in accordance with the "Happy Canyon Creek Major Drainageway Plan", dated March 2014. The project includes improvements to the channel bank and bed. Easement and right-of-way acquisition will be included in the project costs.

The District will be administering the design once a consulting engineering firm is selected. The District and Douglas County desire to construct the improvements which will be managed by the District. Construction is anticipated in 2018.

The District and Douglas County have identified \$406,600 in initial project costs for the design, right-of-way acquisition, and partial funding of construction with the District's participation being \$62,500 in 2015 funds. It is anticipated that additional funds may be required for this project in the future. Resolution No. 54 authorizes \$62,500 of District funds from the Special Revenue Fund - Construction to at least be matched by Douglas County for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 54 on the Consent Agenda.

k. Additional Authorization to Participate in Drainage and Flood Control Improvements on Pond 12 Along Happy Canyon Creek at Monarch Boulevard, City of Castle Pines, Douglas County (Resolution No. 55, Series of 2015)

This is a joint project with the Castle Pines Metro District. The project includes improvements to Pond 12 along Happy Canyon Creek at Monarch Boulevard. Castle Pines Metro District is administering the design with Muller Engineering Company, Inc. Easement and right-of-way acquisition is included in the project costs. Construction is anticipated in 2016.

The District and the Castle Pines Metro District have identified \$842,500 in total project costs with the District's participation being \$142,500. The previous authorizations (Resolution No. 40, Series of 2015 and Resolution No. 44, Series of 2015) totaled \$80,000 to fund design and to partially fund acquisition of right-of-way and construction. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 55 authorizes an additional \$62,500 of District funds from the Special Revenue Fund - Construction to at least be matched by Castle Pines Metro District for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

Commissioner Tedesco requested that for resolutions that request additional funding, can additional information be included as part of the resolution presentation. Specifically, can the presentation summarize the previously authorized funds, what those funds were expended for and provide status updates on the projects. Mr. Hindman stated that the District will include this additional information in future presentations.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 55 on the Consent Agenda.

7. Vote on Approval of the Consent Agenda (*Motion and roll call vote required*)

It was the consensus of the Board that Resolutions No. 46, 47, 48, 49, 50, 51, 52, 53, 54, and 55, Series of 2015, and Cash Disbursements dated September and October 2015 be placed on the Consent Agenda. Mayor Atchison moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

8. Reports/Discussion

a. Executive Director's Report

The Executive Director's report (attached) was included in the meeting handouts. Mr. Hindman reviewed the report with the Board.

9. Other Business

a. Executive Director's Annual Review

Mr. Hindman reminded the Board that the Executive Committee will be conducting the Executive Director's Annual Review. The format will be as follows:

- MSEC will submit to the Executive Committee the results of the annual survey of local governments, survey of the UDFCD Board, and non-specific regional salary data.
- The Executive Committee will meet an hour prior to the December Board meeting to finalize its recommended changes to the Executive Director's compensation package, if any.
- At the December Board meeting, there will be an Executive Session to inform the entire Board of the Executive Committee's recommended changes to the Executive Director's compensation package.
- The Chair of the Executive Committee will submit to Terri Schaffer, Controller, agreed upon changes, if any, to the Executive Director's compensation package.

Mayor Pro Tem Stokes asked if the process can be changed to include a yearly survey of the Board members concerning the Executive Director's performance and, in addition, asked if the Executive Committee could provide input on the survey questions. Mr. Hindman will modify the process to include those changes.

b. Draft Capital Improvement Plans (CIP) and Work Plans Discussion

The CIP is the basis for the District's participation in projects with local governments. The budget for the 2016 CIP was approved today and allocates \$11,270,000 for 2016 design and construction projects. The

District has also created a CIP plan for the South Platte River. This will aid in planning and budgeting funds for large projects on the river. The Board allocated \$2,640,000 for 2016 South Platte River maintenance and construction services, of which \$1,820,000 is intended to be for CIP projects.

The District has worked closely with local governments to incorporate priority projects in the CIP. Letters were sent in July and the District began collecting requests and accommodating as many as the District can. The Board is welcome to take these requests back to the public works staff. Although the formal CIP process takes place now, the District takes request throughout the year.

These draft plans will be sent out to our local government contacts for their review and comment by Monday, October 19, 2015. Once comments are incorporated, these documents will be finalized and presented for Board approval at next month's board meeting.

10. Announcements

- a. Next Regularly Scheduled Meeting: Thursday, November 19, 2015

11. Adjournment

Councilman Lopez adjourned the meeting at 2:30 pm.

Executive Director's Report

October 15, 2015

ADMINISTRATIVE

It has taken a while but we have gotten through the Mountain States Employment Council (MSEC) review of our personnel policy manual. If you remember, earlier this year a Board committee was appointed consisting of Mayor McNulty, Mayor Atchison, Mayor Pro Tem Stokes, and Mr. Sellards, to review proposed changes to the manual. Our first meeting takes place on November 2nd to examine the MSEC analysis. After the committee comes to a consensus of what changes should be made, they will bring it to the Board for ratification. This is a lot of work both internally and by the committee. Thanks to everyone involved. The manual hasn't been reviewed in a long time and is long overdue.

PROGRAM

Design, Construction, and Maintenance: David Bennetts, Manager of Design Construction and Maintenance, traveled to Washington DC along with colleagues from the City and County of Denver (Denver) and the Greenway Foundation. The purpose of the trip was to meet with legislators, legislative committees, and with the Corps of Engineer representatives to assist in gaining funding for major drainage improvements in Denver, specifically on the north reach of the South Platte River and tributaries Harvard Gulch and Weir Gulch. The trip was jam packed but a lot of good information was gained as to the process in obtaining funding and building personal relationships. UDFCD will not be the lead in the process but will assist Denver any way we can as they move forward in construction this vital but costly infrastructure.

Information Services and Flood Warning: In 2014, we began an effort to redesign the District's website. Updates included changes to site content, navigation, and device accessibility. We made sure to select a website platform that was compatible with tablet and smart phone technology. The new website went live last week and with the exception of a few broken links, we've received lots of positive feedback. The redesign was the effort of a web committee led by Derrick Schauer. Special thanks to the team for taking on this huge endeavor.

STATE AND FEDERAL GOVERNMENT ADVOCACY

Federal: I reported last month that Colorado was not under the new rule making concerning Waters of the U.S. following a Federal Judge's ruling. Last week, there was a federal court stay or freeze of the new Waters of the US Rulemaking nationwide pending further action of the court. The ball rolls on!

PERSONAL

I'm sure some of you are tired of hearing stories about my grandson but I can't help myself. Last week my daughter, Elisa, attended a conference in Vegas and Claudia and I went along to take care of Link (who will be two years old next month).

Link definitely took advantage of the attention. It's typical to be exhausted after a trip to Vegas but for us, the cause was a two year old with an endless supply of energy. It's great being a granddad.



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 56, SERIES OF 2015 (Adoption of 2016 Work Program)

WHEREAS, the 2016 Budget anticipated a work plan emphasizing the planning, design, and construction of solutions to major drainage problems in the District; and

WHEREAS, the 2016 Budget anticipated a work plan emphasizing maintenance and preservation of major drainageways in the District; and

WHEREAS, the 2016 Budget anticipated a work plan recognizing the value of preventive and remedial master planning on developed and undeveloped floodplains; and

WHEREAS, the 2016 Budget anticipated a work plan recognizing the need for floodplain management activities; and

WHEREAS, the 2016 Budget anticipated a work plan recognizing the need for information services and local flood warning enhancements; and

WHEREAS, the 2016 Budget anticipated a work plan emphasizing the planning, design, and construction of solutions to flood control problems along the South Platte River and the maintenance of existing facilities on the River; and

WHEREAS, the 2016 Budget anticipated a work plan which included District assistance to Denver, Lakewood, Aurora and other local governments in complying with and applying for National Pollutant Discharge Elimination System (NPDES) storm sewer system permits and refining stormwater best management practices (BMP) technology for this semi-arid region; and

WHEREAS, the Board has considered the damage potential, local participation, the work already done by local governments, Corps of Engineers, and others, and the feasibility of defining and accomplishing solutions to drainage and flood control problems in 2016.

NOW, THEREFORE, BE IT RESOLVED that the Work Program for 2016 is hereby adopted as follows:

A. Design, Construction, and Maintenance Program

Continue the Design, Construction, and Maintenance Program which includes work to be accomplished under the following funds:

1. Capital Improvement Fund

- a. Coordinate, manage, and participate in the funding of the design and construction of drainage facilities pursuant to the adopted Five-Year Capital Improvement Plan.
- b. Cooperate with local jurisdictions in the preparation of the Five-Year Capital Improvement Plan.
- c. Continue to assist local jurisdictions in assessing and solving multi-jurisdictional drainage and flood control problems.

2. South Platte River Fund

- a. Construct and maintain public drainage facilities along the South Platte River pursuant to the accepted South Platte River Work Plan.
- b. Implementation of flood control, maintenance access, river stabilization improvements, and other measures along the South Platte River in cooperation with public and private local sponsors.
- c. Maintain and continue development of information related to facilities, right-of-way, and geomorphology that is beneficial for the management of the South Platte River and for understanding its behavior.

3. Maintenance Fund

- a. Maintain public drainage facilities along the tributaries to the South Platte River pursuant to the accepted Maintenance Work Plan.
- b. Continue floodplain and floodway preservation efforts.
- c. Cooperate with local jurisdictions in the preparation of the Maintenance Work Plan.

B. Floodplain Management Program

Implement the District's Floodplain Management Program to include the following:

1. Continue assisting local entities in preparing, adopting, and administering floodplain regulations, and implement District regulations in those local jurisdictions that do not adopt and enforce floodplain regulations.
2. Delineate flood hazard areas.
3. Coordinate Federal Emergency Management Agency (FEMA) efforts within the District.
4. Review drainage and flood control proposals for proposed development affecting major drainageways upon request from local entities.
5. Continue the notification of floodplain occupants of flood hazards.
6. Continue the District's program of determining maintenance eligibility of drainage and flood control facilities constructed by others.
7. Continue the District's program to bring non-flood control reservoirs into compliance with District policy.
8. Continue development of the Cooperating Technical Partner (CTP) Program with FEMA.
9. Assist local governments and developers in the implementation of drainage and flood control master plans.

C. Information Services and Flood Warning Program

1. Continue data collection and flood documentation activities.
2. Assist local governments in developing, updating, exercising, and maintaining flood detection networks and flood warning plans.
3. Continue to provide meteorological services to supplement National Weather Service (NWS) watches and warnings, and work with NWS to improve flood warning capabilities.
4. Review and revise as necessary the Standard Operating Procedure for implementation of the District's Flood Disaster and Mitigation Plan.
5. Continue assisting local governments with developing self-help programs.
6. Continue development of District GIS capability.
7. Maintain and enhance District information technology systems and related services.

D. Master Planning Program

Assist local governments with coordinating and managing drainage and flood control master planning projects.

E. Special Projects

Continue the following special projects:

1. Continue to support a rainfall/runoff data collection program including cooperative efforts with the U.S. Geology Survey (USGS) and others, and provide data analysis as appropriate.
2. Continue efforts to improve methodologies for planning and design of drainage and flood control facilities, stormwater best management practices and delineation of floodplains in the Denver region, and disseminate information developed to public from these efforts.
3. Continue development and updating of the District's Urban Storm Drainage Criteria Manual and continue administration of manual.

4. Provide coordination and assistance to local governments in the Denver metro area in their efforts to prepare NPDES permit applications and to comply with issued municipal NPDES stormwater discharge permits.
5. Continue projects to establish methods and agreements for financing and implementing regional drainage and flood control facilities.
6. Develop, compile, publish, and distribute appropriate information and data to assist local jurisdictions in drainage and flood control efforts including continuation of publication of Flood Hazard News and sponsoring of seminars.
7. Continue educational and information dissemination efforts to public officials, consulting firms, and the general public related to stormwater and flood management issues.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 57, SERIES OF 2015 (Adoption of Five-Year Capital Improvement Plan [CIP]: 2015 – 2019)

WHEREAS, by Resolution No. 11, Series of 1973, the Board of Directors adopted a capital improvements expenditure policy; and

WHEREAS, by Chapter 32-11-214, C.R.S., it is stated:

- "(1) The District, acting by and through the board, may acquire, improve, equip, relocate, maintain, and operate the facilities, any project, or any part thereof, for the benefit of the district and the inhabitants thereof, after the board has made such preliminary studies and otherwise taken such action as it determines to be necessary or desirable as preliminaries thereto."
- "(2) When a comprehensive program for the acquisition of facilities for the district satisfactory to the board is available, such program shall be tentatively adopted. The program need only describe the proposed facilities in general terms and not in detail."
- "(3) A public hearing on the proposed program shall be scheduled, and notice of the hearing shall be given by publication. After the hearing and any adjournments thereof which may be ordered, the board may either require changes to be made in the program as the board shall consider desirable, or the board may approve the program as prepared."; and

WHEREAS, by Resolution No. 52, Series of 2014, the Board set forth projects that were adopted as a part of the comprehensive program for the years 2014 through 2018; and

WHEREAS, the Board desires to revise the comprehensive five-year capital improvement plan on an annual basis; and

WHEREAS, by Resolution No. 11, Series of 1973, key policies set by the Board to guide the selection of projects were considered in determining the 2015 – 2019 CIP; and

WHEREAS, the Board of Directors, adopted a budget for 2016 (Resolution No. 47, Series of 2015) which includes \$11,270,000 for CIP improvements within the District; and

WHEREAS, a public hearing on the proposed plan was held on November 19, 2015 pursuant to published notice, and testimony was taken and data provided describing the comprehensive program in general terms to the satisfaction of the Board.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The improvements described herein are necessary for the health, comfort, safety, convenience, and welfare of all the people in the State and are of special benefit to the inhabitants of the District and the property therein.
2. The list of projects is adopted as a part of the comprehensive five-year program for the years 2015 through 2019 for the implementation of projects. Such projects are described in general, and not in detail, and individual projects and authorizations therefore shall be approved by the Board on a project-by-project basis.
3. Individual projects on the CIP may be added, removed, or moved from one year to another in the CIP based on requests from the local governments and shifting priorities.
4. The following guidelines will be followed as the CIP is administered; or projects on the CIP are added, deleted, or moved from one year to another in the CIP:
 - a. Proposed improvements requested by local government.
 - b. Proposed projects must be master planned.
 - c. Local governments must provide at least a 50 percent match to District funds.
 - d. Local governments must agree to maintain the facilities.

- e. The District shall allocate funds such that revenues from counties will be spent for improvements within those counties over a five-year time period.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 58, SERIES OF 2015 (Authorization of 2016 Maintenance Plan Expenditures)

WHEREAS, the Colorado General Assembly in 1979 and in 1983 amended Section 32-11-217 thereby authorizing the District to levy up to four tenths (0.4) mill for a systematic and uniform program of preventive maintenance of drainage and flood control facilities within the District; and

WHEREAS, the Board adopted a policy statement related to the maintenance of capital improvements in 1978 (Resolution No. 41, Series of 1978); and

WHEREAS, it is the policy of the Board to allocate maintenance service expenditures to each county on the basis of revenues received annually from each county; and

WHEREAS, the Board of Directors, pursuant to such authorization adopted a budget for 2016 (Resolution No. 47, Series of 2015) which includes \$9,750,000 for the maintenance of drainage and flood control facilities within the District; and

WHEREAS, the Board of Directors desires to proceed with 2016 drainageway maintenance and related services.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Board hereby authorizes the District to assist local governments within the District in the maintenance of major drainageway facilities. The following priorities shall be considered in determining the 2016 Maintenance Plan:
 - a. First priority - District owned facilities.
 - b. Second priority - Facilities owned by other public entities, but partly financed with District funds.
 - c. Third priority - Facilities owned by other public entities and constructed by others without District assistance.
 - d. Fourth priority - Unimproved urban drainageways.
 - e. Fifth priority - Unimproved rural drainageways.
2. The Board authorizes the Executive Director to contract for those services necessary to implement the 2016 Maintenance Work Plan.
3. The total 2016 expenditures for maintenance services shall not exceed \$9,750,000 and the expenditures per county shall be in accordance with Board policy set forth in Resolution No. 41, Series of 1978.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary
Maint Exp11 2015

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 59, SERIES OF 2015

(Authorization of 2016 Operation Expenditures for the South Platte River)

WHEREAS, the Board established policy regarding operation of the South Platte River Program (Resolution No. 58, Series of 1986); and

WHEREAS, the Board of Directors adopted a budget for 2016 (Resolution No. 47, Series of 2015), which includes \$2,640,000 for construction and maintenance activities for the South Platte River; and

WHEREAS, the Board of Directors desires to proceed with 2016 South Platte River construction, maintenance, and other related services.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Board hereby authorizes the District to assist local governments within the District along the South Platte River in construction and maintenance activities, river stability, and maintenance access facilities along the South Platte River.
2. The Board of Directors authorizes the Executive Director to contract for those services necessary to implement the 2016 construction and maintenance activities.
3. The total expenditures for the South Platte River shall not exceed \$2,640,000 in 2016 without further approval of the Board.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 60, SERIES OF 2015

(Authorization to Enter into Agreement with the U.S. Geological Survey (USGS)
for Rainfall/Runoff Investigation)

WHEREAS, the District is authorized to conduct studies related to urban drainage, and to establish, operate, and maintain facilities related to urban drainage within the District; and

WHEREAS, the District adopted a budget for calendar year 2016 (Resolution No. 47, Series of 2015) that included sufficient funds in the Maintenance Fund for the continued support of a rainfall/runoff data collection and analysis program in cooperation with the USGS and others; and

WHEREAS, the District adopted a Work Program for 2016 (Resolution 56, Series 2015) that includes maintenance funding to support a rainfall/runoff data collection and analysis program in cooperation with the USGS and others; and

WHEREAS, the District has been engaged in cooperative agreements with the USGS, an agency of the federal government, since October 1970 with regard to rainfall, runoff, stream flow data collection and investigations; and

WHEREAS, the District and USGS have worked together to establish gauges on a number of major streams within the District in order to measure peak flow rates; and

WHEREAS, this data collection is necessary to calibrate the regional hydrologic model that is the basis for the design of all drainage and flood control infrastructure within the District; and

WHEREAS, the USGS has funds available to match District funds to support the continued operation and maintenance of these gauges, and has offered to renew a cooperative agreement related to such data collection; and

WHEREAS, the cost of entering into a cooperative agreement with the USGS in 2016 with regard to rainfall, runoff, and stream flow data collection and investigations is estimated at \$120,000 and sufficient funds are included in the 2016 Work Program for these efforts.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to enter into a cooperative agreement with the USGS with regard to rainfall/runoff data collection and investigation. The expenditures of District maintenance funds in 2016 for this work shall not exceed \$120,000 without further approval of the Board.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 61, SERIES OF 2015

(Authorization to Assist Communities with NPDES MS4 Permit Compliance
to Develop Engineering Criteria and Software, and to Conduct Stormwater Management Research)

WHEREAS, the Board has since 1991, authorized District support of governments within the District in their efforts to comply with National Pollutant Discharge Elimination System (NPDES) Municipal Separate Stormwater Sewer System (MS4) permit requirements and related activities; and

WHEREAS, the District adopted a budget for calendar year 2016 (Resolution No. 47, Series of 2015), that included \$515,000 in the General Fund to continue assisting governments within the District with their MS4 permit programs, to develop engineering criteria, software, and to conduct stormwater management research; and

WHEREAS, the Board has adopted the 2016 Work Program (Resolution 56, Series of 2015) which includes continuation to assist governments within the District with their MS4 permit programs, to develop engineering criteria, software, and to conduct stormwater management research; and

WHEREAS, the Board desires in 2016 to continue assisting governments within the District with their current and evolving MS4 permit programs by improving the understanding of the performance of various stormwater best management practices (BMPs), for which field performance data in this region is very limited; and

WHEREAS, the District has since 1974 maintained and distributed the Urban Storm Drainage Criteria Manual, originally published in 1969 by the Denver Regional Council of Governments (DRCOG), and has also made available public domain “freeware” engineering design software to support these criteria; and

WHEREAS, the District’s criteria and engineering design software are used by engineers and stormwater professionals worldwide to help them follow District criteria when developing hydrology and designing flood channels, culverts, detention basins, retention ponds, street inlets, storm sewers, and stormwater quality treatment facilities; and

WHEREAS, many governments within the District boundary require the use of District criteria and engineering design software within their jurisdictions; and

WHEREAS, the District is committed to advancing the state of the practice of drainage, flood control, and stormwater quality engineering through research projects in collaboration with state and federal agencies, Colorado universities and colleges, and other research partners, which in turn leads to improved District criteria and engineering design software to support these criteria; and

WHEREAS, the 2016 cost of support services needed to meet NPDES Phase 1 permit commitments, to assist NPDES Phase 2 communities in their evolving permit compliance requirements, to provide required wet-weather monitoring of receiving waters as agreed to between the State and the permitted municipalities, and to continue the installation and testing of BMP facilities for the purpose of improving their design technology is estimated at \$160,000, the estimated cost for criteria development is estimated at \$125,000, the cost of software development is estimated at \$100,000 and the estimated cost for stormwater management research is estimated at \$130,000; and

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to continue to contract for necessary consulting, monitoring, education/outreach, and other services in 2016 necessary for the District to assist NPDES regulated municipalities within the District in their efforts to comply with NPDES MS4 permits. In addition, the Executive Director is authorized to extend this assistance through the

design, construction, continued field testing and the development of design guidance of stormwater BMPs for use in this region.

2. The Executive Director is authorized to execute the necessary agreements with qualified partners and consultants to assist the District in developing criteria, software, and in conducting stormwater management research.
3. The expenditure for this work in 2016 shall not exceed \$515,000 without further authorization from the Board.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 62, SERIES OF 2015 (Authorization for a Planning Study of Sloan's Lake Basin)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City and County of Denver, City of Lakewood, City of Wheat Ridge, City of Edgewater, and Jefferson County have enacted floodplain regulations; and

WHEREAS, the Board has previously established a Work Program for 2016 (Resolution No. 56, Series of 2015) which includes master planning; and

WHEREAS, the Board previously cooperated with the City and County of Denver, City of Lakewood, City of Edgewater, and City of Wheat Ridge to prepare the "Major Drainageway Planning Phase B Sloan's Lake Basin" report (URS, 1977) and the "Flood Hazard Area Delineation Sloan's Lake Basin" (URS, 1977);

WHEREAS, the City and County of Denver and the City of Lakewood have expressed a desire to participate in a study leading to a Major Drainageway Plan and Flood Hazard Area Delineation (FHAD) for major drainageways within the Sloan's Lake basin; and

WHEREAS, the Board wishes to cooperate with the City and County of Denver, City of Lakewood, City of Wheat Ridge, City of Edgewater, and Jefferson County in the identification of solutions to stormwater drainage and flood control management problems for major drainageways within the Sloan's Lake basin (Exhibit A); and

WHEREAS, the cost of engineering and mapping services for this study is estimated to be \$250,000 and is expected to be divided among participating entities as follows:

	<u>Planning Study</u>	<u>FHAD</u>
UDFCD	\$100,000	\$50,000
Denver	\$60,000	\$0
<u>Lakewood</u>	<u>\$40,000</u>	<u>\$0</u>
TOTAL	\$200,000	\$50,000

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with the City and County of Denver and the City of Lakewood to fund the required engineering and mapping services for the Sloan's Lake Basin planning study.
2. The Executive Director is authorized to procure any needed mapping and to execute a contract with a qualified engineer(s) for required engineering services.
3. The expenditures for the consulting and mapping services are estimated at \$250,000 and the District's share of total costs shall not exceed \$150,000 plus interest earned on monies deposited in the project fund which contribution for the planning portion of this project shall be matched by the City and County of Denver and the City of Lakewood.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

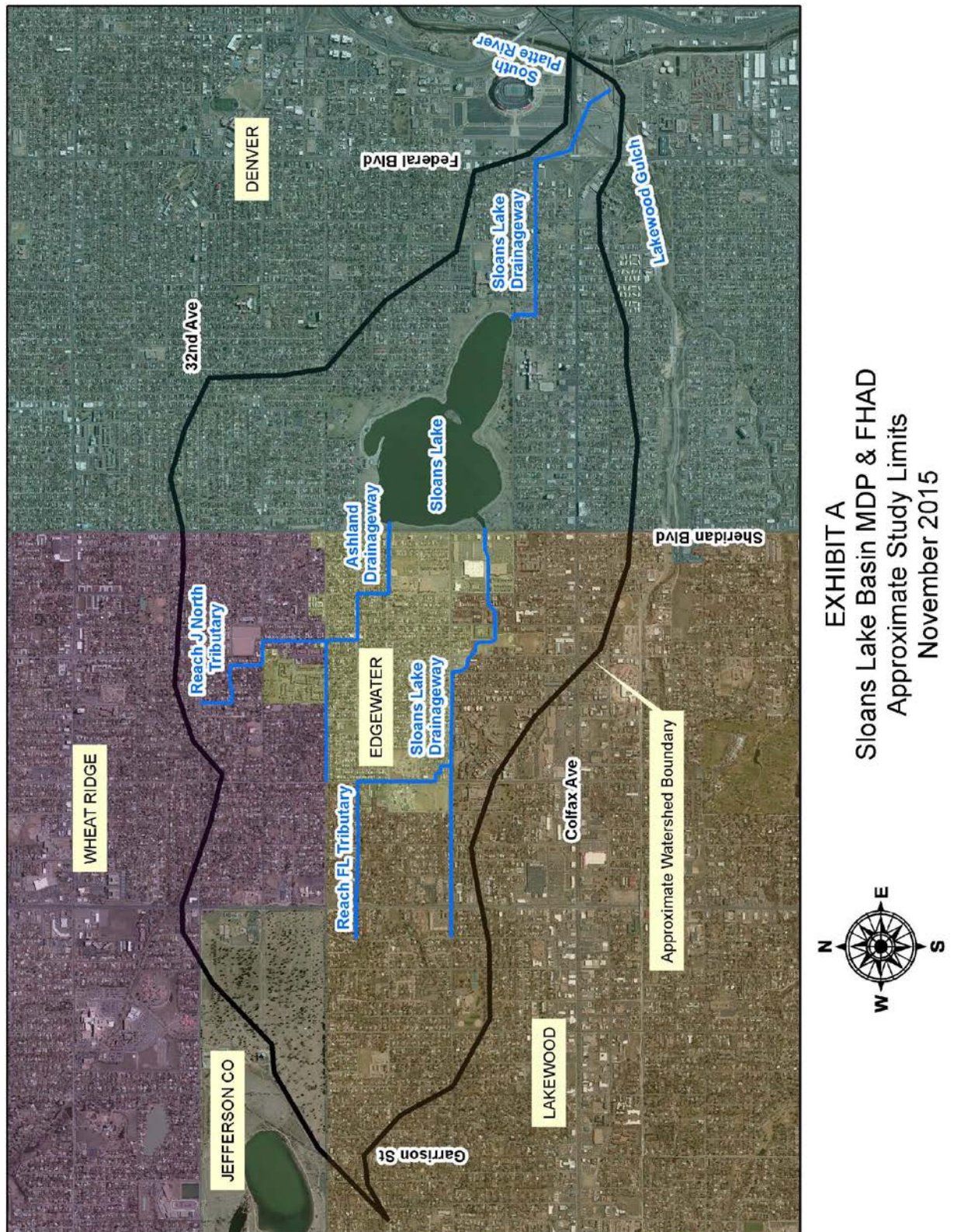
ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 62, SERIES OF 2015
(Authorization for a Planning Study of Sloan's Lake Basin)



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 63, SERIES OF 2015

(Authorization for a Planning Study of Quincy Drainage, Shop Creek and Meadowood Drainageway)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Aurora has enacted floodplain regulations; and

WHEREAS, the Board has previously established a Work Program for 2016 (Resolution No. 56, Series of 2015) which includes master planning; and

WHEREAS, the Board previously cooperated with the City of Aurora to prepare the “Outfall System Planning Quincy Drainage & Shop Creek” report (Boyle Engineering, 1985);

WHEREAS, the City of Aurora has expressed a desire to participate in a study leading to an Outfall Systems Plan for Quincy Drainage, Shop Creek and Meadowood Drainageway; and

WHEREAS, the Board wishes to cooperate with the City of Aurora in the identification of solutions to stormwater drainage and flood control management problems for Quincy Drainage, Shop Creek and Meadowood Drainageway (Exhibit A); and

WHEREAS, the cost of engineering and mapping services for master planning is estimated to be \$150,000 and is expected to be divided among participating entities as follows:

	<u>Planning Study</u>
UDFCD	\$75,000
<u>Aurora</u>	<u>\$75,000</u>
TOTAL	\$150,000

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with the City of Aurora to fund the required engineering and mapping services for the Quincy Drainage, Shop Creek and Meadowood Drainageway planning study.
2. The Executive Director is authorized to procure any needed mapping and to execute a contract with a qualified engineer(s) for required engineering services.
3. The expenditures for the consulting and mapping services are estimated at \$150,000 and the District’s share of total costs shall not exceed \$75,000 plus interest earned on monies deposited in the project fund which contribution for the planning portion of this project shall be matched by the City of Aurora.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 63, SERIES OF 2015

(Authorization for a Planning Study of Quincy Drainage, Shop Creek and Meadowood Drainageway)

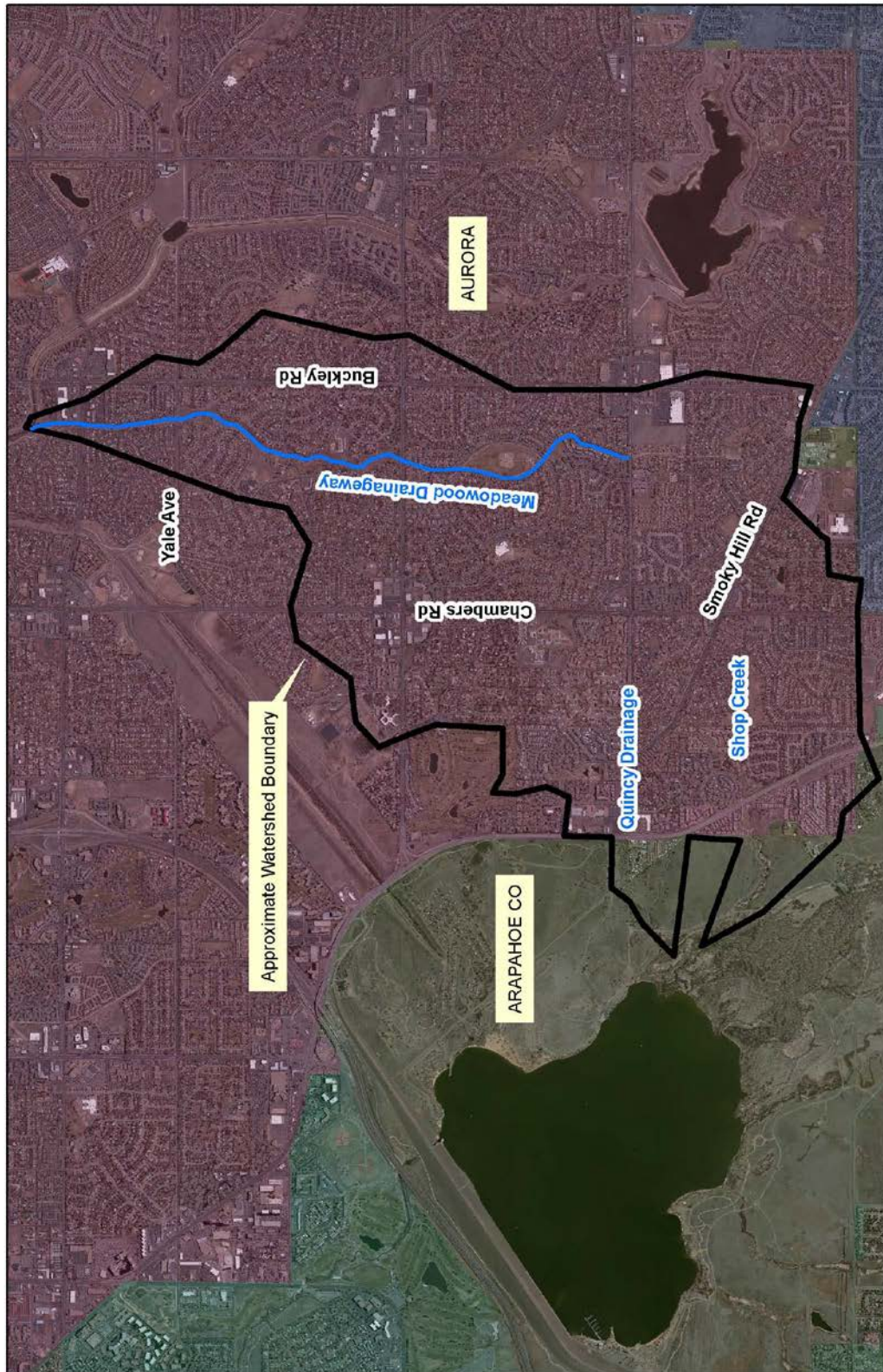


EXHIBIT A
Quincy Drainage, Shop Creek, Meadowood Drainageway OSP
Approximate Study Limits
November 2015

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 64, SERIES OF 2015 (Authorization for a Planning Study of Weaver Creek)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Jefferson County and the City of Lakewood have enacted floodplain regulations; and

WHEREAS, the Board has previously established a Work Program for 2016 (Resolution No. 56, Series of 2015) which includes master planning; and

WHEREAS, the Board previously cooperated with Jefferson County and the City of Lakewood to prepare the "Flood Hazard Area Delineation Weaver Creek" report (Leonard Rice, 1981);

WHEREAS, Jefferson County and the City of Lakewood have expressed a desire to participate in a study leading to a Major Drainage Plan and Flood Hazard Area Delineation for Weaver Creek; and

WHEREAS, the Board wishes to cooperate with Jefferson County and the City of Lakewood in the identification of solutions to stormwater drainage and flood control management problems for Weaver Creek (Exhibit A); and

WHEREAS, the cost of engineering and mapping services for this study is estimated to be \$250,000 and is expected to be divided among participating entities as follows:

	<u>Planning Study</u>	<u>FHAD</u>
UDFCD	\$100,000	\$50,000
Jefferson County	\$93,000	\$0
<u>Lakewood</u>	<u>\$7,000</u>	<u>\$0</u>
TOTAL	\$200,000	\$50,000

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with Jefferson County and the City of Lakewood to fund the required engineering and mapping services for the Weaver Creek planning study.
2. The Executive Director is authorized to procure any needed mapping and to execute a contract with a qualified engineer(s) for required engineering services.
3. The expenditures for the consulting and mapping services are estimated at \$250,000 and the District's share of total costs shall not exceed \$150,000 plus interest earned on monies deposited in the project fund which contribution for the planning portion of this project shall be matched by Jefferson County and the City of Lakewood.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 64, SERIES OF 2015
(Authorization for a Planning Study of Weaver Creek)

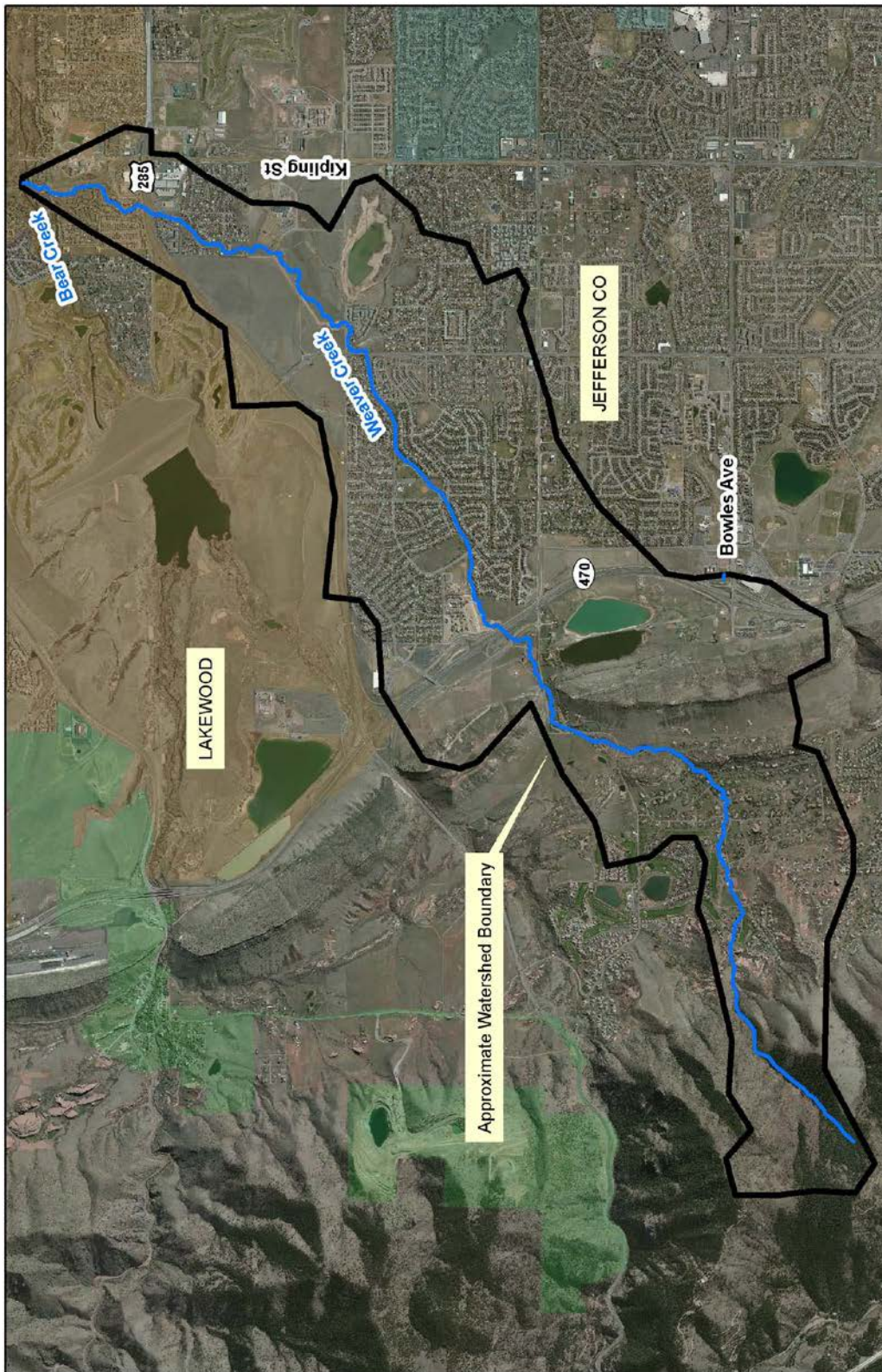


EXHIBIT A
Weaver Creek MDP & FHAD
Approximate Study Limits
November 2015

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 65, SERIES OF 2015

(Authorization for a Flood Hazard Area Delineation for the South Platte River)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Adams County, Arapahoe County, City and County of Denver, City of Brighton, City of Commerce City, City of Englewood, City of Littleton, City of Sheridan, City of Thornton, Douglas County and the Town of Columbine Valley have enacted floodplain regulations; and

WHEREAS, the City of Centennial and Arapahoe County have assigned and transferred to the Southeast Metro Stormwater Authority (SEMSWA) their rights and obligations for this project; and

WHEREAS, the Board has previously established a Work Program for 2015 (Resolution No. 51, Series of 2014) which includes floodplain mapping; and

WHEREAS, the hydrology for the South Platte River has been revised by a Hydrology Conditional Letter of Map Revision; and

WHEREAS, the Board wishes to prepare a Flood Hazard Area Delineation for the South Platte River from Chatfield Dam to Weld County (Exhibit A); and

WHEREAS, the initial cost of engineering and mapping services for floodplain delineation is estimated to be \$168,000 and is expected to be divided among participating entities as follows:

	<u>FHAD</u>
UDFCD	\$95,000
Denver	\$40,000
Adams County	\$18,000
Brighton	\$ 5,000
<u>SEMSWA</u>	<u>\$10,000</u>
TOTAL	\$168,000

It is anticipated that an additional \$85,000 will be required for this project in 2016, and that approximately \$15,000 of that \$85,000 will come from other communities within the project reach with the balance being requested by an additional resolution at that time.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with the City and County of Denver, Adams County, Brighton, the Southeast Metro Stormwater Authority (SEMSWA), and any other community within the project reach to fund the required engineering and mapping services for the South Platte River Flood Hazard Area Delineation.
2. The Executive Director is authorized to procure any needed mapping and to execute a contract with a qualified engineer(s) for required engineering services.
3. The District's maximum contribution to the South Platte River Flood Hazard Area Delineation, without prior approval of the Board, shall be \$95,000 plus interest earned on monies deposited in the project fund, which contribution shall be added by the City and County of Denver, Adams County, Brighton, SEMSWA, and other communities along the river.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 65, SERIES OF 2015

(Authorization for a Flood Hazard Area Delineation for the South Platte)

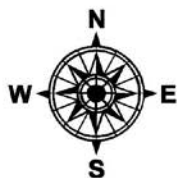
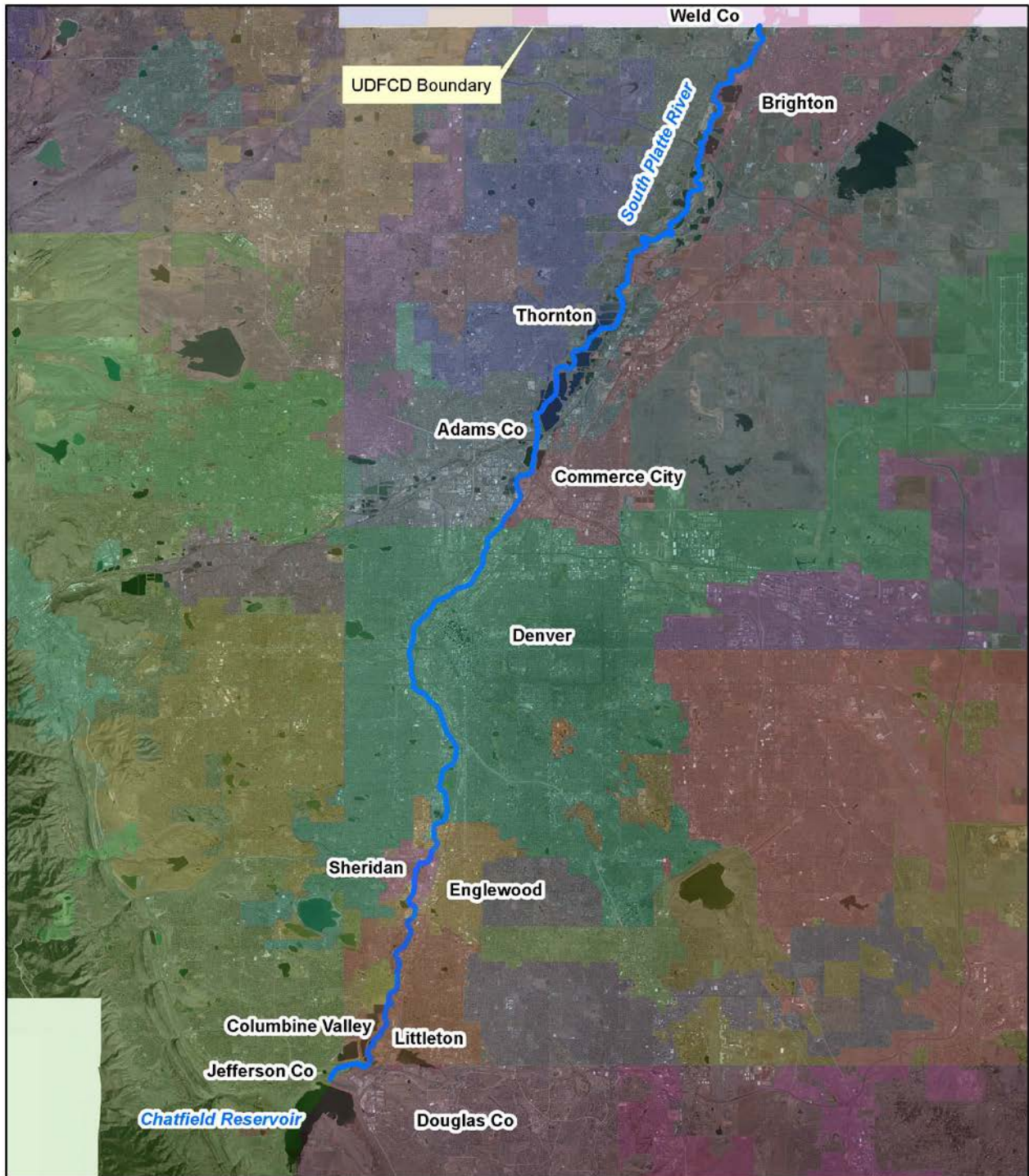


EXHIBIT A
South Platte River FHAD
Approximate Study Limits
September 2015



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

BOARD OF DIRECTORS MEETING

Date: Thursday, December 17, 2015

Time: 1:00 pm

Catered Lunch – 12:15 pm

How the District Works – 12:45 – 1:00 pm

- 1. Call to Order and Pledge of Allegiance – 1:00 pm**
- 2. Introductions**
 - a. Swearing in of New Board Members:
 - i. Mayor Adam Paul (Lakewood)
 - ii. Mayor Pro Tem Renie Peterson (Aurora)
 - b. Visitors/Guests/Staff
 - c. Awards/Recognitions
- 3. Roll Call – Determination of Quorum**
- 4. Approval of November 19, 2015 Meeting Minutes** *(If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”)*
- 5. Consent Agenda** *(Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.)*
 - a. Review of Cash Disbursements
 - b. Adoption of Employee Policy Manual
(Resolution No. 66, Series of 2015)
 - c. Legislative Committee
(Resolution No. 67, Series of 2015)
 - d. Authorization of Expenditures for Electronic Data Management
(Resolution No. 68, Series of 2015)
 - e. Authorization of 2016 Maintenance Expenditures to Assist Local Governments in Maintaining Existing Flood Warning Systems
(Resolution No. 69, Series of 2015)
 - f. Authorization to Establish an Areawide Meteorological Support Service to Local Governments
(Resolution No. 70, Series of 2015)
 - g. Authorization of Funds to Complete Flood Hazard Area Delineation Studies, Letter of Map Change Studies, Risk MAP Studies, and Other Floodplain Management Activities
(Resolution No. 71, Series of 2015)
 - h. Acceptance of Flood Hazard Area Delineation Report for Newlin Gulch
(Resolution No. 72, Series of 2015)
 - i. Acceptance of Boulder Creek Planning Study
(Resolution No. 73, Series of 2015)
 - j. Acceptance of Gregory Canyon Creek Planning Study
(Resolution No. 74, Series of 2015)
 - k. Authorization for a Flood Hazard Area Delineation for Clear Creek
(Resolution No. 75, Series of 2015)
 - l. Additional Authorization to Participate in Drainage and Flood Control Improvements on Drainageways A, A-2, 7, and 7-2, City of Louisville and City of Lafayette, Boulder County
(Resolution No. 76, Series of 2015)

- m. Additional Authorization to Participate in Drainage and Flood Control Improvements on Wonderland Creek from Iris to Foothills, Boulder
(Resolution No. 77, Series of 2015)
 - n. Additional Authorization to Participate in Drainage and Flood Control Improvements on Irondale Gulch, Kenwood-Dahlia Outfall, Adams County
(Resolution No. 78, Series of 2015)
 - o. Additional Authorization to Participate in Drainage and Flood Control Improvements on Cherry Creek at Arapahoe Road, Cities of Aurora and Centennial, Unincorporated Arapahoe County
(Resolution No. 79, Series of 2015)
 - p. Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial, Unincorporated Arapahoe County
(Resolution No. 80, Series of 2015)
 - q. Additional Authorization to Participate in Drainage and Flood Control Improvements on Coon Creek at Beers Sisters Lake Reservoir, Jefferson County
(Resolution No. 81, Series of 2015)
 - r. Additional Authorization to Participate in Drainage and Flood Control Improvements on North Dry Gulch from Lamar Street to Teller Street, City of Lakewood, Jefferson County
(Resolution No. 82 Series of 2015)
6. **Vote on Approval of the Consent Agenda** *(Motion and roll call vote required)*
7. **Reports/Discussion**
- a. Executive Director's Report
8. **Other Business**
- a. Appointment of Officers
9. **Executive Session – Executive Committee Report of Director's Annual Review**
(Pursuant to 24-6-402(4)(f)(1) C.R.S.)
10. **Announcements**
- a. Next Regularly Scheduled Meeting: **Monday, February 1, 2016**
The Board does not meet in January.
11. **Adjournment**

Merry Christmas and Happy New Year!!





**URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
BOARD OF DIRECTORS**

November 19th 2015

MINUTES

Members Present:

Herb Atchison, Mayor, City of Westminster
Bruce Beckman, Mayor, City of Littleton
Joyce Downing, Mayor, City of Northglenn
Bob Fifer, Mayor Pro Tem, City of Arvada
Deb Gardner, Commissioner, Boulder County
Mark Hunter, Engineer
Suzanne Jones, Mayor, City of Boulder
Paul Kashmann, Council Member, City/County/Denver
Paul Lopez, Council Member, City/County of Denver
Ken Lucas, Mayor Pro Tem, City of Centennial
Bonnie McNulty, Mayor, City of Edgewater
Bob Murphy, Mayor, City of Lakewood
Dave Sellards, Engineer
Nancy Sharpe, Commissioner, Arapahoe County
Greg Stokes, Mayor Pro Tem, City/County of Broomfield
Libby Szabo, Commissioner, Jefferson County
Heidi Williams, Mayor, City of Thornton

Members Absent:

Stacie Gilmore, Council Member, City/County of Denver
Debi Hunter-Holen, Mayor Pro Tem, City of Aurora
Cary Kennedy, Deputy Mayor, City/County of Denver
Jill Repella, Commissioner, Douglas County
Charles (Chaz) Tedesco, Commissioner, Adams County

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Julia Bailey	Project Engineer, Information Services & Flood Warning
Dave Bennetts	Manager, Design, Construction, and Maintenance
Richard Borchardt	Project Manager, Design, Construction, and Maintenance
Barbara Chongtous	Project Manager, Design, Construction, and Maintenance
Amelia Deleon	Human Resources and Administrative Services Manager
Terri Fead	Project Manager, Floodplain Management
Laura Kroeger	Assistant Program Manager, Design, Construction, and Maintenance
Ken MacKenzie	Manager, Master Planning
David Mallory	Program Manager, Floodplain Management
Teresa Patterson	Project Manager, Floodplain Management
Holly Piza	Project Manager, Master Planning
David Skuodas	Project Manager, Design, Construction, and Maintenance
Shea Thomas	Project Manager, Master Planning

Others Present:

John McCarty, Executive Director, Southeast Metro Stormwater Authority (SEMSWA)
Magen Elenz, Council Aide, City and County of Denver

How the Districts Works –Adopting Floodplains

Mr. Hindman conducted a presentation entitled, “Adopting Floodplains” for this month’s How the District Works presentation.

- 1. Call to Order and Pledge of Allegiance – 1:00 p.m.**
Councilman Lopez called the meeting to order at 1:05 p.m.

2. **Introductions**

a. **Visitors/Guests/Staff**

The following individual was sworn in as a new board member, by Mr. Ed Krisor:

- Mayor Pro Tem Bob Fifer, City of Arvada

3. **Roll Call – Determination of Quorum**

Roll was called and a quorum was declared present.

a. **Awards/Recognitions**

APWA – William E. Korbitz Award

Mr. John McCarty, Executive Director for SEMSWA, and President of the American Public Works Association (APWA), Colorado Chapter, was in attendance to present this award to Mrs. Laura Kroeger.

The William E. Korbitz Award is awarded annually to the individual who displays the character, integrity, and leadership of Mr. Korbitz, the first President of the Colorado Chapter of APWA. The first award was given in 1995 and Mrs. Kroeger is the 20th recipient. Laura has been involved with APWA both locally and nationally with a focus on management and leadership activities. Laura was a graduate of the first class of the APWA Emerging Leaders Academy and serves as chair for the Rocky Mountain Public Works Institute, a regional educational program for public work professionals.

4. **Board Approval of October 15th 2015 Meeting Minutes** (*If there are no corrections “Minutes stand approved”, or with corrections “Minutes stand approved as corrected”*)

Councilman Lopez asked if there were any corrections to the October 15th, 2015 minutes. Hearing none, the minutes were approved as submitted.

5. **Public Hearing**

a. **Presentation of Proposed 2015 – 2019 Five Year Capital Improvement Plan**

Councilman Paul Lopez opened the public hearing at 1:13 pm.

This is the final presentation of the Five-Year Capital Improvement Plan (CIP). The CIP was sent to local governments in September asking for comments to be returned to the District. Comments and requests were received from most of the local governments and they have been incorporated into the CIP to the extent possible. All requests cannot be accommodated because there are more requests than there are funds available. The draft 2015 – 2019 Five-Year CIP was distributed to Board members at the last board meeting and the final was emailed to the Board the week of the Board Meeting.

Although the District welcomes CIP requests throughout the year, opportunities to change the Five-Year CIP are limited once it is adopted in November. There is a strong demand for District participation, so it is difficult to add a new project unless another project can be omitted or postponed.

The Five-Year CIP has some built-in flexibility in the funding levels because matching funds from local governments tend to change throughout the year for these large CIP projects. The final Five-Year CIP is presented at the November meeting for adoption pursuant to a public hearing. Authorization for all individual CIP project expenditures will be brought before the Board during 2016.

Councilman Lopez requested comments or questions from the Board and public. There being none, the Presentation of Proposed 2015 – 2019 Five-Year Capital Improvement Plan was closed at 1:17 pm.

6. **Consent Agenda** (*Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.*)

a. **Review of Cash Disbursements**

Cash Disbursement list, dated October and November 2015, had been distributed to the Board for review. There being no further comments or questions, it was the consensus of the Board to include approval of the Cash Disbursements on the Consent Agenda.

b. **Adoption of 2016 Work Program
(Resolution No. 56, Series of 2015)**

The 2016 Work Program sets forth primary activities of the District for each major program area. It does not authorize any expenditure. The major program areas include Design, Construction and Maintenance;

Floodplain Management; Information Systems and Flood Warning; Master Planning and Special Services (USGS Data Collection, NPDES Activities, etc.). Resolution No. 56 adopts the Work Program for 2016. The 2016 Work Program serves as a guide and, based on changing needs, projects may be added or removed. The 2016 Work Plan consists of a built-in contingency for each county to account for unanticipated projects.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 56 on the Consent Agenda.

**c. Adoption of Five-Year Capital Improvement Plan (CIP) 2015 - 2019
(Resolution No. 57, Series of 2015)**

Resolution No. 57, Adoption of the Five-Year CIP 2015- 2019, was discussed during the Public Hearing portion of the meeting.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 57 on the Consent Agenda.

**d. Authorization of 2016 Maintenance Plan Expenditures
(Resolution No. 58, Series of 2015)**

Authorization will be for the total amount of \$9,750,000 (\$9,069,900 for construction and \$680,100 for maintenance-type services), in the Maintenance Fund (Resolution No. 58) and \$2,640,000 (\$1,820,000 in planned construction projects) in the South Platte River Fund (Resolution No. 59). Adoption of the 2016 budget will limit expenditures in each county to each county's share determined by property tax revenue contribution.

The 2016 Maintenance Plan is developed to guide maintenance activities for stream management and restoration projects on a county-by-county basis. The Draft 2016 Maintenance Plan and a South Platte River Work Plan were distributed to the Board at the last Board meeting and final documents were emailed to the Board the week of the Board Meeting.

Maintenance Plan priorities are based on the following:

- District owned facilities
- Facilities owned by other public entities, but partly financed with District funds
- Facilities owned by other public entities and constructed by others without District assistance
- Unimproved urban drainageways
- Unimproved rural drainageways

Both work plans are based on adding maintenance for facilities completed in 2015, continued commitment to facilities owned by the District or constructed with District assistance, staff knowledge of condition of drainageways, annual requests from local governments of maintenance needs, and staff contacts with local entities. Work is listed by county and category of work and includes the local government where the work is located, description of work, and the estimated cost.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 58 on the Consent Agenda.

**e. Authorization of 2016 Operation Expenditures for the South Platte River
(Resolution No. 59, Series of 2015)**

Resolution No. 59, Authorization of 2016 Operation Expenditures for the South Platte River, was discussed under the previous resolution (Resolution No. 58, Series of 2015).

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 59 on the Consent Agenda.

**f. Authorization to Enter Into Agreement with the U.S. Geological Survey (USGS)
for Rainfall/Runoff Investigation
(Resolution No. 60, Series of 2015)**

Hydrology is the study of rainfall and resulting stormwater runoff. It is the foundation for all of the District's drainage and flood control design. The District has been part of a cooperative agreement with the USGS regarding rainfall and runoff investigations and peak flow data collection since 1982.

The cost of entering into a cooperative agreement with the USGS with regard to rainfall, runoff, and stream flow data collection and investigation is estimated at \$120,000, which funds are available in the 2016 Work Program.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 60 on the Consent Agenda.

g. Authorization to Assist Communities with NPDES MS4 Permit Compliance to Develop Engineering Criteria and Software, and to Conduct Stormwater Management Research (Resolution No. 61, Series of 2015)

Since 1991, the District has been assisting municipalities within the District in their efforts to comply with National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit requirements and related activities.

The cost of continued support services needed to meet NPDES Phase I permit commitments, to assist NPDES Phase 2 communities in their evolving permit compliance requirements, to provide required wet-weather monitoring of receiving waters as agreed to between the State and the permitted municipalities, and to continue the installation and testing of BMP facilities for the purpose of improving their design technology is estimated at \$160,000, the estimated cost for criteria development is estimated at \$125,000, the cost of software development is estimated at \$100,000, and the cost for stormwater management research is estimated at \$130,000.

The Board has adopted the 2016 Work Program (Resolution 56, Series of 2015) which includes a total of \$515,000 to assist governments within the District with their MS4 permit programs, to develop engineering criteria, software, and to conduct stormwater management research.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 61 on the Consent Agenda.

h. Authorization for a Planning Study of Sloan's Lake Basin (Resolution No. 62, Series of 2015)

In 2010, Denver requested a major drainageway plan and flood hazard area delineation (FHAD) for the major drainageways in the Sloan's Lake Basin. The Cities of Lakewood, Wheat Ridge, and Edgewater agreed to help fund the study. Previous UDFCD studies in the basin include:

- "Major Drainageway Planning Phase B Sloan's Lake Basin" (URS, 1977)
- "Flood Hazard Area Delineation Sloan's Lake Basin" (URS, 1977)

The current master plan for the basin is outdated. There are many properties in the 100-year floodplain and the local governments need a plan that will mitigate the flood risk from those properties. Also, the floodplain downstream of the lake is incorrect due to modifications to the dam.

The FHAD budget is set at \$50,000 and the master planning costs are projected to be \$200,000 with the local sponsors contributing \$100,000. The Resolution authorizes the expenditure of the District's share not to exceed \$150,000 plus interest earned in the project's trust and agency account which contribution for the planning portion of this project shall be matched by the City and County of Denver and the City of Lakewood.

Mayor Atchison asked why the additional funding from the City of Wheat Ridge and the City of Edgewater was not identified on the resolution. After some discussion, it was agreed to amend the resolution to reflect the additional funding.

Mayor Atchison requested that Resolution No. 62, Series 2015 be voted on separately from the Consent Agenda. It was moved by Mayor Atchison, seconded by Councilman Kashmann, and unanimously passed.

A request was made to amend Resolution No. 62 to reflect the additional funding contributions from the City of Wheat Ridge (\$17,000) and the City of Edgewater (\$15,000) revising the local sponsors contribution to \$132,000. The request was moved by Mayor Atchison and seconded by Councilman Kashmann, and unanimously passed.

Mayor Atchison moved the adoption of Resolution No. 62, as amended, which Motion was seconded by Commissioner Sharpe, and unanimously passed.

i. Authorization for a Planning Study of Quincy Drainage, Shop Creek and Meadowood Drainageway (Resolution No. 63, Series of 2015)

In 2012, Aurora requested an update to the existing Quincy Drainage and Shop Creek Outfall Systems Plan (OSP). Since Meadowood Drainageway is not included in any master plan and the watershed neighbors the Quincy Drainage and Shop Creek watershed, it was decided to add that drainageway to the update. Previous UDFCD studies in the basin include:

- “Outfall System Planning Quincy Drainage & Shop Creek” report (Boyle Engineering, 1985)

Most of the improvements along Quincy Drainage and Shop Creek that were recommended in the previous master plan have been implanted. However, Aurora has several active and planned roadway improvements along Parker Road that may impact the outfalls. Meadowood Drainageway has never been studied and Aurora wants to identify any stabilization and flood control needs.

The master planning costs are projected to be \$150,000 with the local sponsors contributing \$75,000. This Resolution authorizes the expenditure of the District’s share not to exceed \$75,000 plus interest earned in the project’s trust and agency account which contribution for the planning portion of this project shall be matched by the City of Aurora.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 63 on the Consent Agenda.

j. Authorization for a Planning Study of Weaver Creek (Resolution No. 64, Series of 2015)

In 2014, Jefferson County requested a master plan and FHAD update for Weaver Creek. Lakewood agreed to participate and help fund the local share. Previous UDFCD studies in the basin include:

- “Flood Hazard Area Delineation Weaver Creek” report (Leonard Rice, 1981)

There has never been a master plan for Weaver Creek. There is development occurring throughout the watershed so a current, accurate floodplain is needed to help guide development. There is a flow split at Cole Street that causes several houses to be in the 100-yr floodplain so mitigation measures are needed.

The FHAD budget is set at \$50,000 and the master planning costs are projected to be \$200,000 with the local sponsors contributing \$100,000. This Resolution authorizes the expenditure of the District’s share not to exceed \$150,000 plus interest earned in the project’s trust and agency account which contribution for the planning portion of this project shall be matched by Jefferson County and the City of Lakewood.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 64 on the Consent Agenda.

k. Authorization for a Flood Hazard Area Delineation for the South Platte River (Resolution No. 65, Series of 2015)

In 2013, UDFCD initiated an analysis of long term USGS stream gage records along the South Platte River in an effort to either validate or modify the design peak flow. The results of that analysis led to a Hydrology Conditional Letter of Map Revision which, once adopted by FEMA, will change the effective flow rates along the river from Chatfield Dam to Ft. Lupton in Weld County.

The revised hydrology will lead to a revised floodplain. A FHAD study will redraw the floodplain boundary and produce the deliverables needed to get the new boundary adopted by FEMA. Previous floodplain mapping studies on the South Platte River include:

- “Flood Hazard Area Delineation South Platte River Adams County (Gingery, 1977)
- “Flood Hazard Area Delineation South Platte River Denver Metropolitan Area Sand Creek to Oxford Ave.” (Wright Water, 1985)
- “Flood Hazard Area Delineation South Platte River Adams County, Colorado (CDM, 2005)

The engineering and mapping costs of the FHAD are estimated to be \$168,000. Adams County, SEMSWA, and Brighton have committed to contributing \$18,000, \$10,000, and \$5,000 respectively in 2015, and the City and County of Denver has committed to contributing \$40,000 in 2016. This Resolution authorizes the expenditure of the District’s share not to exceed \$95,000 plus interest earned in the project’s trust and agency account which contribution shall be matched by Adams County, SEMSWA, the City of

Brighton and the City and County of Denver. Additional UDFCD funds may be required for this project in the future.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 65 on the Consent Agenda.

7. Vote on Approval of the Consent Agenda (*Motion and roll call vote required*)

It was the consensus of the Board that Resolutions No. 56, 57, 58, 59, 60, 61, 63, 64, and 65, Series of 2015, and Cash Disbursements dated October and November 2015 be placed on the Consent Agenda. Mayor Atchison moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously. Resolution No. 62, Series of 2015 was voted upon separately as noted above.

8. Reports/Discussion

9. Other Business

a. Call for Volunteers: Nominating Committee for 2016 Officers

Councilman Lopez requested volunteers to serve on the Nominating Committee for the 2016 Executive Committee. The following board members volunteered their services:

1. Councilman Paul Lopez
2. Commissioner Libby Szabo
3. Commissioner Nancy Sharpe

At the December Board meeting, the Nominating Committee will announce their recommendations and the Board will then vote on the recommendations. Councilman Lopez also requested that any Board member looking to serve on the Executive Committee should inform Mr. Hindman or anyone on the Nominating Committee.

b. Call for Volunteers: 2016 Legislative Committee

Mr. Hindman requested volunteers to serve on the Board's Legislative Committee. Mr. Hindman explained that this committee meets when new bills that affect our District are introduced. The following Board members volunteered to serve on the 2016 Legislative Committee:

1. Commissioner Libby Szabo
2. Mayor Heidi Williams
3. Mr. Dave Sellards

10. Announcements

a. Next Regularly Scheduled Meeting: Thursday, December 17, 2015

11. Adjournment

Councilman Lopez adjourned the meeting at 2:01 p.m.

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 66, SERIES OF 2015
(Adoption of Employee Policy Manual)

WHEREAS, the Board adopted the District Personnel Rules and Procedures in April 1977 which went into effect May 1977; and

WHEREAS, changes to the Personnel Rules and Procedures have periodically been made by the board since May 1977; and

WHEREAS, the Board appointed a Personnel Rules and Procedures Manual Committee (Mayor Pro Tem Greg Stokes, Mayor Herb Atchison, Mayor Bonnie McNulty, and Mr. David Sellards) to review and approve the proposed changes to the District's Personnel Rules and Procedures Manual.

WHEREAS, the Board now desires to divide the Personnel Rules and Procedures document into two separate documents, an Employee Policy Manual and an Employee Handbook; and

WHEREAS, the Employee Policy Manual is a policy document that requires any changes be made through Board approval and authorized by resolution; and

WHEREAS, the Employee Handbook is a reference document that supports the policies in the Employee Policy Manual and does not require Board approval.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Board hereby amends and restates the District Personnel Rules and Procedures, dated 1977, and such amended and restated Employee Policy Manual dated January 2016 shall become effective January 01, 2016. The Employee Policy Manual may be modified from time to time by the Board as considered necessary by the Board.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 67, SERIES OF 2015
(Legislative Committee)

WHEREAS, Section 32-11-208(b), C.R.S (2014), provides that: “The board, on behalf and in the name of the District, has the powers to adopt and amend or otherwise modify bylaws and rules of procedure”; and

WHEREAS, from time to time state and federal legislation is proposed and being acted upon which would affect the operations of the District; and.

WHEREAS, each year, a Legislative Committee is established by the Board of Directors for the following calendar year.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. There is hereby established in the place and stead of any previous Legislative Committee (Committee) a Committee composed of board members Commissioner Libby Szabo, Mayor Heidi Williams, and Mr. Sellards selected by the Board of Directors (Board) from the members of the board.
2. The Legislative Committee shall review and evaluate from time to time, on behalf of the Board, pending state and federal legislation which would affect the operations of the District. Actions of the Legislative Committee shall include, but not be limited to; review and evaluate pending legislation, both state and federal; direct the District’s lobbyists and /or Executive Director to advocate, oppose or monitor individual bills; and to receive updates and advice on activities at the city and county level which are applicable to the District.
3. The Committee shall report to the Board at the next regularly scheduled Board meeting any actions taken by the Committee along with a summary of any bills or activities that may affect the District.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 68, SERIES OF 2015

(Authorization of Expenditures for Electronic Data Management)

WHEREAS, the District previously developed an information technology infrastructure and web map application to support the management and public availability of District electronic data and information (Resolution No. 44, Series of 2009); and

WHEREAS, the District purchased a records management software package to administer and retain electronic documents in compliance with the District's records retention policy (Resolution No. 45, Series of 2012); and

WHEREAS, the District desires to further develop, enhance, and maintain capabilities to manage and disseminate electronic data and information; and

WHEREAS, the District previously established a Work Program for 2016 (Resolution No. 56, Series of 2015) which includes the provision to continue development of District GIS capability; and

WHEREAS, the District has adopted a budget for calendar year 2016, subsequent to public hearing, (Resolution No. 47, Series of 2015) which includes funds for electronic data management.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to enter into an agreement(s) with qualified engineers, consultant(s), and others as necessary for maintenance and development of additional electronic data management functionality.
2. The cost of these services shall not exceed \$100,000 for calendar year 2016.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 69, SERIES OF 2015

(Authorization of 2016 Maintenance Expenditures to Assist Local Governments in
Maintaining Existing Flood Warning Systems)

WHEREAS, the District adopted a budget for calendar year 2016 (Resolution No. 47, Series of 2015) that includes \$480,000 in the Special Revenue Fund - Maintenance for maintenance of flood warning equipment; and

WHEREAS, the District in cooperation with local governments has installed flood detection networks using ALERT gauging equipment for Boulder Creek, South Boulder Creek, Lena Gulch, Ralston Creek, Westerly Creek, Toll Gate Creek, Goldsmith Gulch, Harvard Gulch, Bear Creek, Douglas County, Southwest Denver and Upper Sand Creek; and

WHEREAS, the District has installed ALERT gauging equipment at a number of flood control facilities in which the District participated in the funding and construction thereof; and

WHEREAS, the District has installed ALERT gauging equipment on the South Platte River, Cherry Creek and Sand Creek in conjunction with the National Pollutant Discharge Elimination System (NPDES) requirements for Phase I communities; and

WHEREAS, the District adopted a Work Program for 2016 (Resolution No. 56, Series of 2015) which includes the continuation of a program to provide meteorological services to local governments that begins on April 15 and relies in part on the ALERT flood detection networks; and

WHEREAS, the gauging equipment including self-reporting rain and water level sensors, weather stations, repeater stations, and associated radio receiving and transmitting equipment needs to be re-installed and will require maintenance on a regular basis in order to operate dependably; and

WHEREAS, flood warning maintenance activities must start early in the calendar year in order for the flood detection system to be fully operational by April 15.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to negotiate and execute necessary agreements to provide flood warning system maintenance assistance to local governments for the 2016 flood season.
2. The costs of these services shall not exceed \$480,000 for calendar year 2016.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 70, SERIES OF 2015
(Authorization to Establish an Areawide Meteorological
Support Service to Local Governments)

WHEREAS, the District adopted a budget for calendar year 2016 (Resolution No. 47, Series of 2015) that included \$150,000 in the General Fund for meteorological services and data and communication costs associated with the flood warning radar/satellite system; and

WHEREAS, the District has previously established a Work Program for 2016 (Resolution No. 56, Series of 2015) which includes the provision of meteorological services to supplement National Weather Service watches and warnings; and

WHEREAS, the District has previously acquired a radar and satellite data display system for flood warning (Resolution No. 12, Series of 1993) which requires the assistance of a private meteorological service.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with a qualified meteorologist(s) to provide meteorological services to local governments for the 2016 flood season.
2. The costs of these services shall not exceed \$111,000 for calendar year 2016 without further approval of the Board.
3. The Executive Director is also authorized to pay reasonable and necessary equipment costs, communications charges, data acquisition fees and other costs required to operate the radar/satellite system and to make flood warning information available to local governments, which costs shall not exceed \$39,000 for calendar year 2016 without further approval of the Board.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 71, SERIES OF 2015

(Authorization of Funds to Complete Flood Hazard Area Delineation Studies,
Letter of Map Change Studies, Risk MAP Studies, and Other Floodplain Management Activities)

WHEREAS, the Board has previously established a Work Program for 2016 (Resolution No. 56, Series of 2015) which includes the delineation of flood hazard areas and coordination of Federal Emergency Management Agency (FEMA) efforts within the District; and

WHEREAS, the Board, in a policy statement previously adopted and reaffirmed (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973), expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the Board adopted a budget for calendar year 2016 (Resolution No. 47, Series of 2015) that included \$412,000 in the General Fund for Flood Hazard Area Delineation studies, Letter of Map Change Studies, Risk MAP studies, and other Floodplain Management Activities; and

WHEREAS, routine requests are received from local governments throughout the year for Flood Hazard Area Delineation studies or Letter of Map Revision studies; and

WHEREAS, FEMA may have funds available in 2016 for Risk MAP studies, which will require an as yet undetermined local contribution.

NOW THEREFORE BE IT RESOLVED THAT:

1. The Executive Director is authorized to expend the \$412,000 in the Floodplain Management budget for 2016, as well as any funds received from cooperating entities, or FEMA for the completion of Flood Hazard Area Delineation Studies, Letter of Map Revision Studies and/or Risk MAP projects requested by one or more local governments within the District, public notification to citizens of flood hazards, review of development projects, and other activities required to promote good floodplain management practices.
2. The Executive Director shall report periodically on floodplain management activities to the Board of Directors.
3. Such approval for expenditure of funds is contingent upon the benefiting local government agreeing to regulate and control the floodplain defined by the study in accordance with National Flood Insurance Program regulations as a minimum.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 72, SERIES OF 2015

(Acceptance of Flood Hazard Area Delineation Report for Newlin Gulch)

WHEREAS, the Board has previously established a Work Program for 2015 (Resolution No. 51, Series of 2014) which included master planning and the delineation of flood hazard areas; and

WHEREAS, the Board has previously authorized the Executive Director to expend funds from the Flood Hazard Area Delineation budget for the completion of flood hazard area delineation studies (Resolution No. 63, Series of 2011); and

WHEREAS, the Executive Director has executed an agreement with Muller Engineering Company for a master planning and flood hazard area delineation study of Newlin Gulch; and

WHEREAS, a report "Flood Hazard Area Delineation, Newlin Gulch," dated November 2015, has been completed by Muller Engineering Company; and

WHEREAS, the Board has previously indicated its desire that the results of such studies be provided to the local governments so as to assist such local governments in meeting the requirements of 24-65.1-101, et seq. C.R.S.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled "Flood Hazard Area Delineation, Newlin Gulch," dated November 2015 and recommends its use as a guide in future planning related to the floodplains contained therein.
2. The Board of Directors of the Urban Drainage and Flood Control District recommends that the Town of Parker and Douglas County adopt the report and regulate the 100-year floodplains defined in the report.
3. The Board of Directors of the Urban Drainage and Flood Control District submit the report for designation and approval by the Colorado Water Conservation Board as stated in 37-60-106(1)(c) C.R.S., as flood hazard areas, those areas described as being inundated by the 100-year flood.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

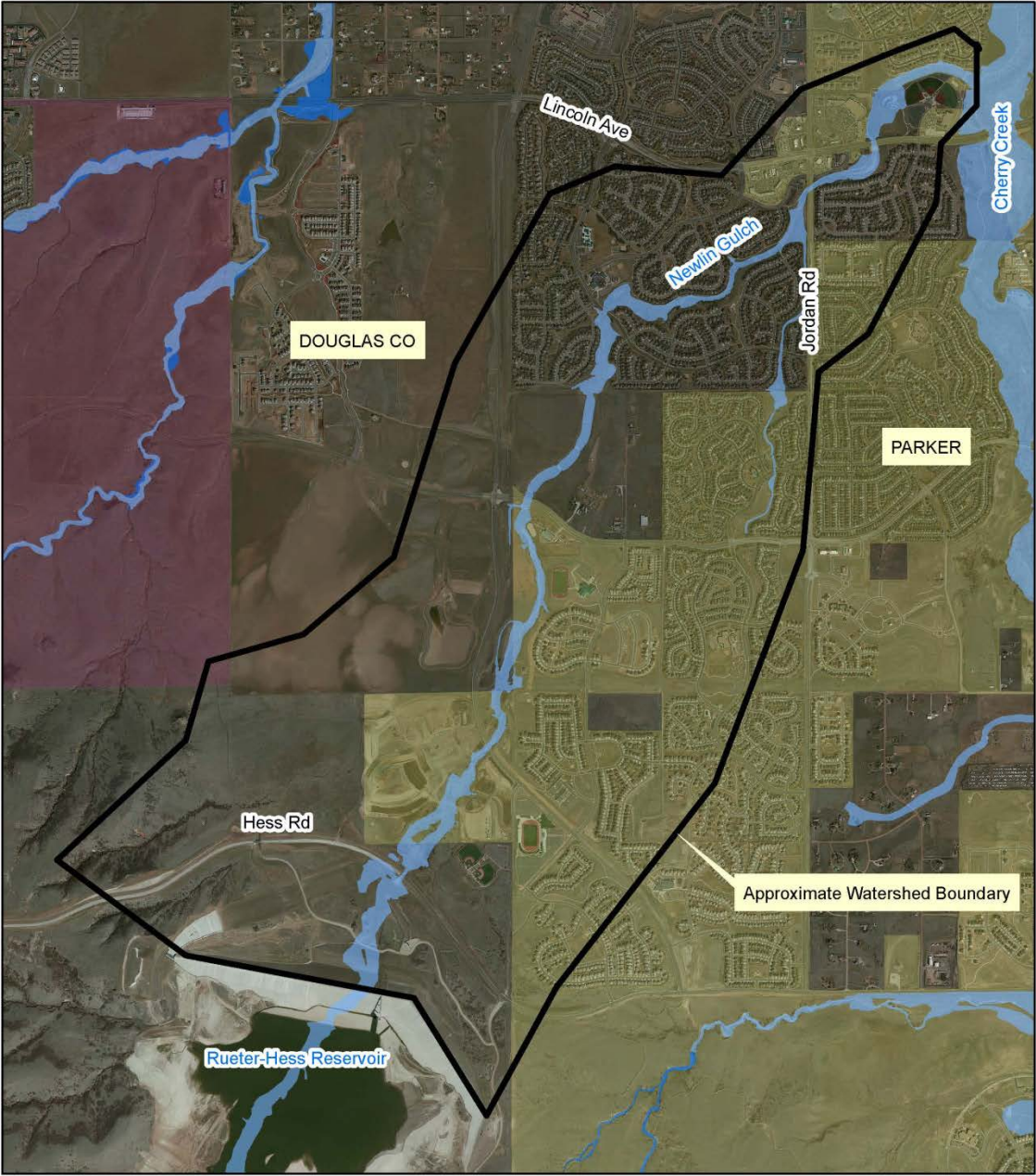
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 72, SERIES OF 2015

(Acceptance of Flood Hazard Area Delineation Report for Newlin Gulch)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 73, SERIES OF 2015
(Acceptance of Boulder Creek Planning Study)

WHEREAS, the Board cooperated with the City of Boulder in the preparation of a major drainageway planning study for Boulder Creek within the city limits (Resolution No. 36, Series of 2013); and

WHEREAS, Boulder County and the City of Longmont joined the study and provided funding to expand the project area to extend from Fourmile Canyon Creek to St. Vrain Creek; and

WHEREAS, the Colorado Water Conservation Board provided funding for the project by way of a Watershed/Stream Restoration and/or Protection Grant which covered costs for portions of the project within Weld County; and

WHEREAS, the Executive Director executed an agreement for engineering services with the consulting firm ICON Engineering, Inc. to conduct studies and prepare a major drainageway planning report for Boulder Creek; and

WHEREAS, the District reviewed the alternatives presented by ICON Engineering, Inc. and concurred with the need to complete the study based on an alternative selected in cooperation with the City of Boulder, Boulder County and the City of Longmont; and

WHEREAS, ICON Engineering, Inc. has completed the study and submitted to the District the report titled "Boulder Creek Restoration Master Plan," dated December 2015.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled "Boulder Creek Restoration Master Plan", dated December 2015, and recommends that all drainage, flood control and stormwater management infrastructure and practices recommended in the report be used to guide future drainage and flood control planning, land development, and design and construction of all such infrastructure within jurisdiction covered by said plan.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

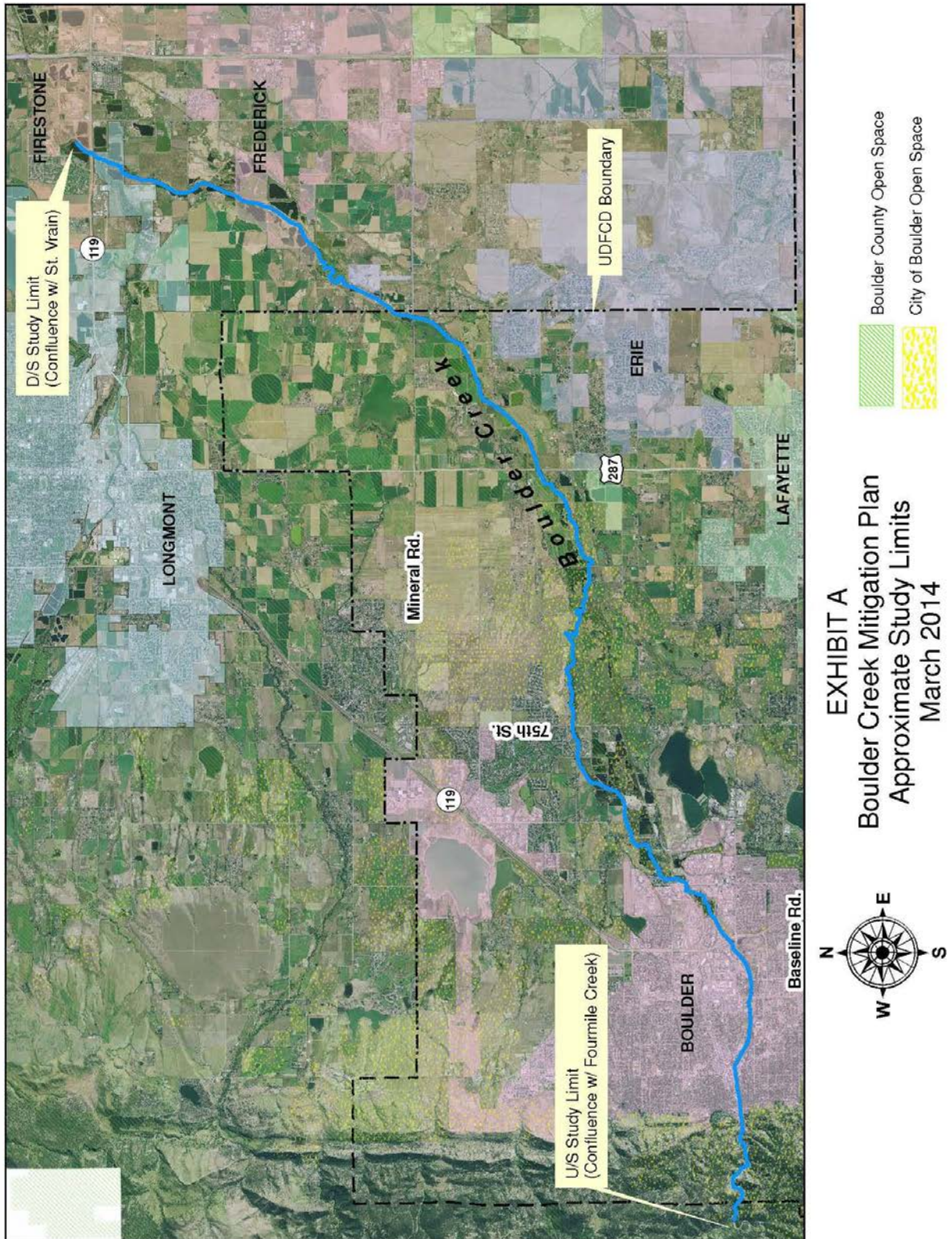
ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 73, SERIES OF 2015
(Acceptance of Boulder Creek Planning Study)



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 74, SERIES OF 2015
(Acceptance of Gregory Canyon Creek Planning Study)

WHEREAS, the Board cooperated with the City of Boulder in the preparation of a major drainageway planning study for Gregory Canyon Creek within the city limits (Resolution No. 36, Series of 2013); and

WHEREAS, the City of Boulder executed an agreement for engineering services with the consulting firm CH2M Hill, Inc. to conduct studies and provide documentation leading to a major drainageway planning report for Gregory Canyon Creek; and

WHEREAS, the District reviewed the alternatives presented by CH2M Hill, Inc. and concurred with the need to complete the study based on an alternative selected in cooperation with the City of Boulder; and

WHEREAS, CH2M Hill, Inc. has completed the study and the City of Boulder has prepared the report titled "Gregory Canyon Creek Flood Mitigation Plan," dated November 18, 2015.

NOW, THEREFORE, BE IT RESOLVED THAT:

The Board of Directors of the Urban Drainage and Flood Control District hereby accepts the report titled "Gregory Canyon Creek Flood Mitigation Plan," dated November 18, 2015, and recommends that all drainage, flood control and stormwater management infrastructure and practices recommended in the report be used to guide future drainage and flood control planning, land development, and design and construction of all such infrastructure within jurisdiction covered by said plan.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 74, SERIES OF 2015
(Acceptance of Gregory Canyon Creek Planning Study)

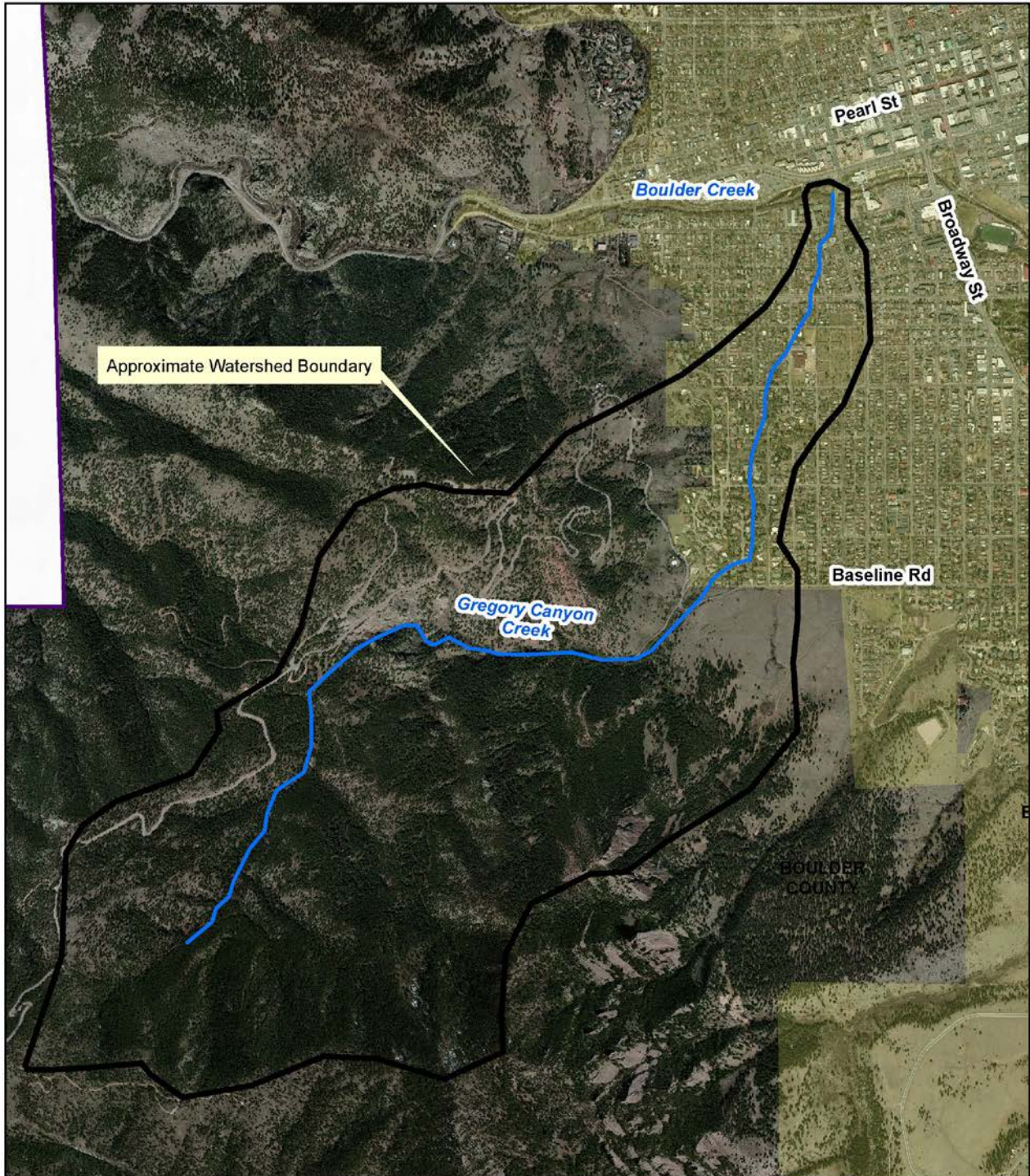


EXHIBIT A
Gregory Canyon Creek
Major Drainageway Plan
December 2015

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 75, SERIES OF 2015

(Authorization for a Flood Hazard Area Delineation for Clear Creek)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Golden, Jefferson County, the City of Wheat Ridge, the City of Arvada, the City and County of Denver, and Adams County have enacted floodplain regulations; and

WHEREAS, the Board has previously established a Work Program for 2015 (Resolution No. 51, Series of 2014) which includes floodplain mapping; and

WHEREAS, the hydrology for Clear Creek is being revised by a Hydrology Conditional Letter of Map Revision; and

WHEREAS, the Board wishes to prepare a Flood Hazard Area Delineation for Clear Creek from Highway 6 to the South Platte River (Exhibit A); and

WHEREAS, the initial cost of engineering and mapping services for floodplain delineation is estimated to be \$200,000 and is expected to be divided among participating entities as follows:

	<u>FHAD</u>
District	\$100,000
Adams Co	\$39,000
Wheat Ridge	\$26,000
Jefferson Co	\$23,000
Golden	\$8,000
Arvada	\$2,000
<u>Denver</u>	<u>\$2,000</u>
TOTAL	\$200,000

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with the City of Golden, Jefferson County, the City of Wheat Ridge, the City of Arvada, the City and County of Denver, and Adams County to fund the required engineering and mapping services for the Clear Creek Flood Hazard Area Delineation.
2. The Executive Director is authorized to procure any needed mapping and to execute a contract with a qualified engineer(s) for required engineering services.
3. The District's maximum contribution to the Clear Creek Flood Hazard Area Delineation, without prior approval of the Board, shall be \$100,000 plus interest earned on monies deposited in the project fund, which contribution shall be added by the City of Golden, Jefferson County, the City of Wheat Ridge, the City of Arvada, the City and County of Denver, and Adams County.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 75, SERIES OF 2015

(Authorization for a Flood Hazard Area Delineation for Clear Creek)

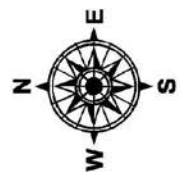
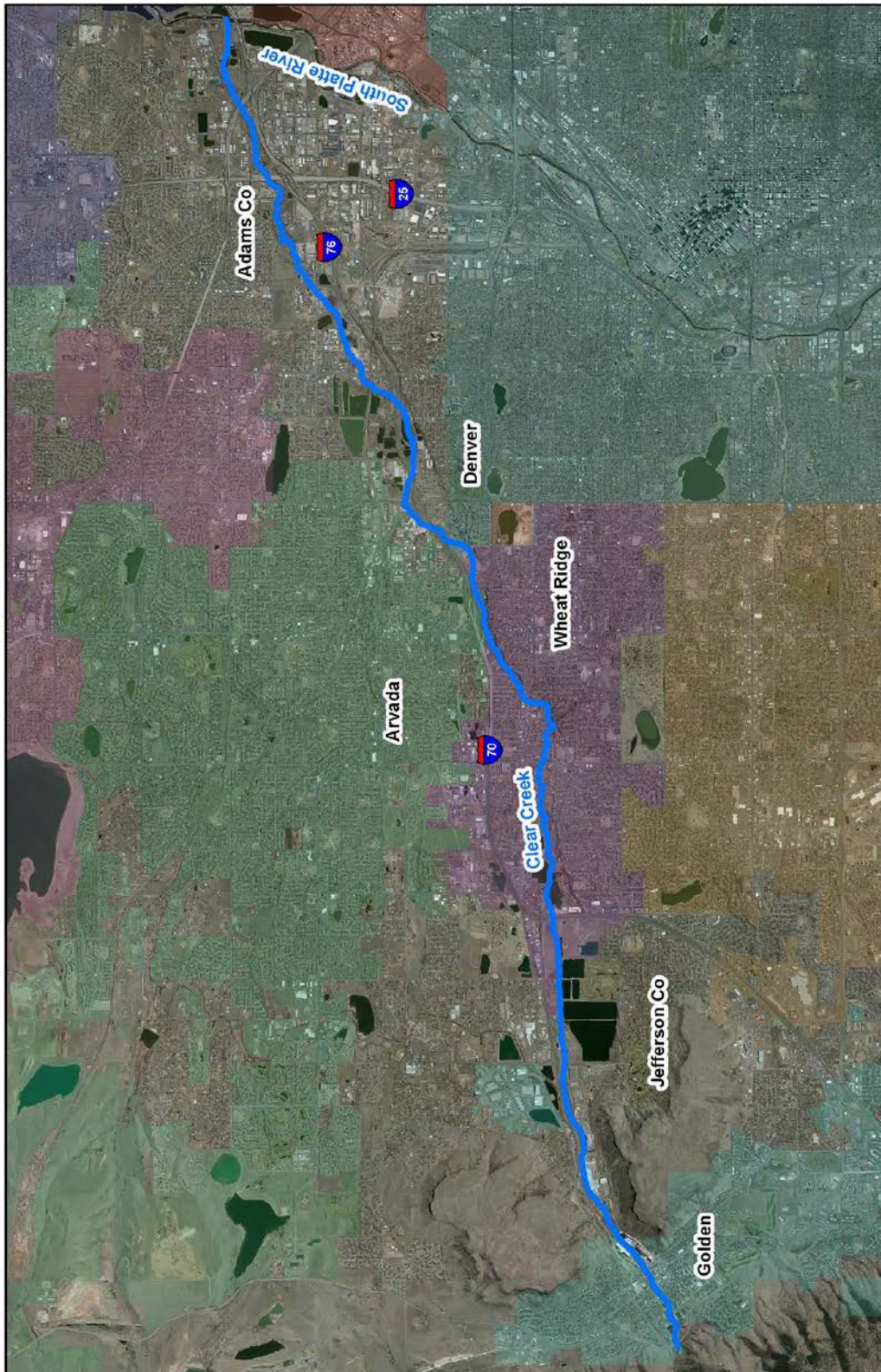


EXHIBIT A
Clear Creek FHAD
Approximate Study Limits
November 2015

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 76, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Drainageways A, A-2, 7, and 7-2, City of Louisville and City of Lafayette, Boulder County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973), expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Louisville and the City of Lafayette have enacted floodplain regulations; and

WHEREAS, the City of Louisville, the City of Lafayette, and the District cooperated in the preparation of "Lafayette-Louisville Boundary Outfall System Plan Conceptual Design Report," dated January 2011; and

WHEREAS, the Board previously authorized \$1,055,000 for acquisition of right-of-way, design, and construction along Drainageways A, A-2, 7, and 7-2 (Exhibit A); and

Drainageways A, A-2, 7, and 7-2 Previous Authorizations

Resolution No.	Series of	District Authorization	Work Elements
29	2011	\$150,000	Design
41	2012	387,500	Design
18	2013	187,500	Construction Funding
14	2014	125,000	Construction Funding
08	2015	205,000	Right of Way Purchases, and Construction Funding
TOTAL		\$1,055,000	

WHEREAS, the City of Louisville, the City of Lafayette, and the District now desire to construct improvements along Drainageways A, A-2, 7, and 7-2; and

WHEREAS, the City of Louisville and the City of Lafayette have estimated the additional project costs to be \$1,283,437 resulting in a revised total project cost of \$3,468,437 (\$1,305,000 District; \$1,305,000 City of Louisville; \$858,437 City of Lafayette); and

WHEREAS, the District's additional participation being authorized by this resolution is \$250,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund—Construction Budget (Resolution No. 47 Series of 2015) for calendar year 2016, subsequent to public hearing which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Drainageways A, A-2, 7, and 7-2; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 57, Series of 2015) in which the improvements along Drainageways A, A-2, 7, and 7-2 were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 29, Series of 2011, Paragraph 3, be further amended as follows:

"The District's maximum contribution to the Drainageways A, A-2, 7, and 7-2 project without prior approval of the Board shall be ~~\$1,055,000~~ **\$1,305,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Louisville and the City of Lafayette."

2. All other conditions and authorizations remain as stated in Resolution No. 29, Series of 2011.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

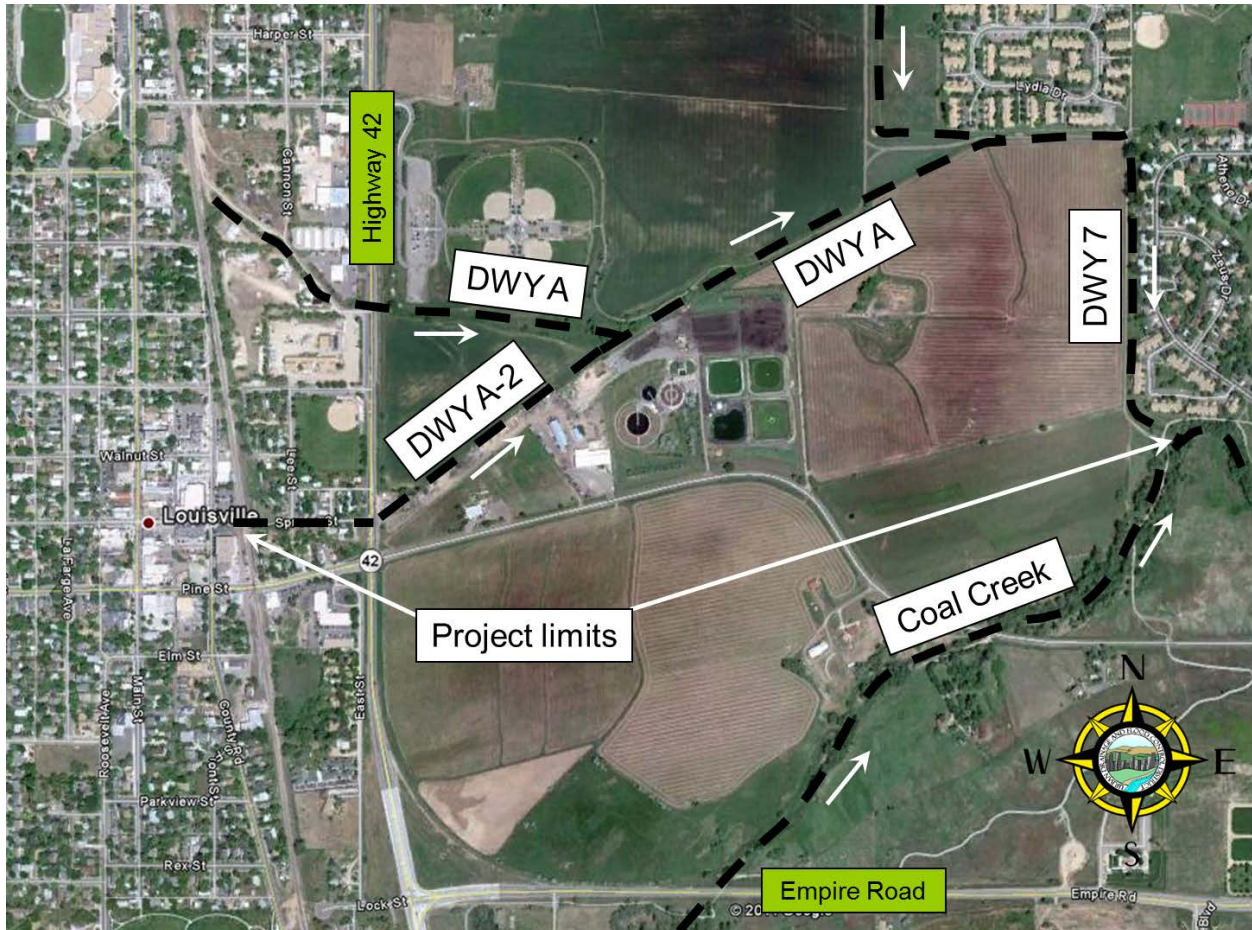
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 76, SERIES OF 2015

(Authorization to Participate in Drainage and Flood Control Improvements
On Drainageway A-2, City of Louisville, Boulder County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 77, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Wonderland Creek from Iris to Foothills, Boulder)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Boulder has enacted floodplain regulations; and

WHEREAS, the City of Boulder and the District cooperated in the preparation of "Fourmile Canyon Creek and Wonderland Creek Major Drainageway Planning Phase A Report Alternatives Analysis," dated May 2007; and

WHEREAS, the Board previously authorized \$2,275,957 for acquisition of right-of-way, design, and construction along Wonderland Creek from Iris to Foothills (Exhibit A); and

Wonderland Creek from Iris to Foothills Previous Authorizations

Resolution No.	Series of	District Authorization	Work Elements
40	2010	\$325,957	Preservation Purchase of a Home in the 100-yr Floodplain
19	2011	125,000	Design
55	2011	150,000	Design
19	2012	425,000	Design
39	2012	257,500	Design, Right of Way Purchases, and Construction Funding
14	2013	560,000	Right of Way Purchases and Construction Funding
80	2014	432,500	Right of Way Purchases and Construction Funding
TOTAL		\$2,275,957	

WHEREAS, the City of Boulder and the District now desire to add funding to construct improvements along Wonderland Creek from Iris to Foothills; and

WHEREAS, the City of Boulder has estimated the additional project costs to be \$625,000 resulting in a revised total project cost of \$5,176,914 (\$2,588,457 District; \$2,588,457 City of Boulder); and

WHEREAS, the District's additional participation being authorized by this resolution is \$312,500; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 48, Series of 2015) for calendar year 2016, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Wonderland Creek from Iris to Foothills in Boulder; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 57, Series of 2015) in which the improvements along Wonderland Creek from Iris to Foothills in Boulder were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 40, Series of 2010, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Wonderland Creek from Iris to Foothills in Boulder project without prior approval of the Board shall be ~~\$2,275,957~~ **\$2,588,457** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Boulder."
2. All other conditions and authorizations remain as stated in Resolution No. 40, Series of 2010.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 77, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Wonderland Creek from Iris to Foothills, Boulder)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 78, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Irondale Gulch, Kenwood-Dahlia Outfall, Adams County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Adams County has enacted floodplain regulations; and

WHEREAS, Adams County, Commerce City, and the District cooperated in the preparation of "Drainage Outfall Systems Planning North Commerce City and Irondale Area" by McLaughlin Water Engineers, dated April 1996, and an update to the outfall systems plan titled "Drainage Outfall Systems Update Northern Commerce City and Irondale Area" by ICON Engineering, Inc., dated September 2005; and

WHEREAS, the Board previously authorized \$1,095,000 for design, acquisition of right-of-way, and construction of improvements along Irondale Gulch, Kenwood-Dahlia Outfall (Exhibit A); and

Irondale Gulch, Kenwood-Dahlia Outfall Previous Authorizations

Resolution No.	Series of	District Authorization	Work Elements
35	2006	\$0	Design and Construction (County funds only) I-76 Crossing and O'Brian Canal Crossing
11	2010	475,000	Design and Construction HWY 85 Frontage Road, UPRR Crossing
67	2012	620,000	Design and Construction HWY 85 Crossing
TOTAL		\$1,095,000	

WHEREAS, Adams County and the District now desire to construct improvements along Irondale Gulch, Kenwood-Dahlia Outfall; and

WHEREAS, Adams County has estimated the additional drainage project costs to be \$25,000 resulting in a revised total drainage project cost of \$10,098,928 (\$1,120,000 District; \$8,978,928 Adams County); and

WHEREAS, the District's additional participation being authorized by this resolution is \$25,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 47, Series of 2015) for calendar year 2016, subsequent to public hearing which includes funds for construction of drainage and flood control improvements along Irondale Gulch, Kenwood-Dahlia Outfall; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 57, Series of 2015) in which the improvements along Irondale Gulch, Kenwood-Dahlia Outfall were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 35, Series of 2006, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Irondale Gulch, Kenwood-Dahlia Outfall project without prior approval of the Board shall be ~~\$1,095,000~~ **\$1,120,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by Adams County."
2. All other conditions and authorizations remain as stated in Resolution No. 35, Series of 2006.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 78, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Irondale Gulch, Kenwood-Dahlia Outfall, Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 79, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Cherry Creek at Arapahoe Road, Cities of Aurora and Centennial, Unincorporated Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Aurora, the Southeast Metro Stormwater Authority (SEMSWA), and Arapahoe County have enacted floodplain regulations; and

WHEREAS, the City of Centennial and Arapahoe County have assigned and transferred to the SEMSWA its rights and obligation for the Cherry Creek at Arapahoe Road project; and

WHEREAS, the Cities of Aurora and Centennial, Arapahoe County, and the District cooperated in the preparation of "Cherry Creek Corridor Reservoir to Scott Road Major Drainageway Planning Preliminary Design Report," dated January 2004; and

WHEREAS, the Board previously authorized \$1,230,000 for design, acquisition of right-of-way, and construction of improvements along Cherry Creek at Arapahoe Road (Exhibit A); and

Cherry Creek at Arapahoe Road Previous Authorizations

Resolution No.	Series of	District Authorization	Work Elements
40	2012	\$200,000	Design of Drainage Improvements
55	2012	65,000	Design of Drainage Improvements
6	2013	765,000	Permitting, Floodplain Analysis, Construction separated into 2 phases
5	2014	150,000	Phase 1 (Drop 14) Construction completed and protects water line
14	2015	50,000	Phase 2 (Drops 15, 16, 17A, 17B, and 17C) Construction begins
TOTAL		\$1,230,000	Phase 2 Construction Completion in Summer, 2016

WHEREAS, the City of Aurora, the Cherry Creek Basin Water Quality Authority (CCBWQA), SEMSWA, and the District now desire to construct improvements along Cherry Creek at Arapahoe Road; and

WHEREAS, the District has estimated the additional project costs to be \$100,000 resulting in a revised total project cost of \$3,100,000 (\$1,280,000 District; \$900,000 CCBWQA; \$900,000 Aurora; and \$20,000 SEMSWA); and

WHEREAS, the District's additional participation being authorized by this resolution is \$50,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget, (Resolution No. 47, Series of 2015) for calendar year 2016 subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Cherry Creek at Arapahoe Road; and

WHEREAS, the District has adopted at a public hearing a Five-Year Capital Improvement Plan, (Resolution No. 57, Series of 2015) in which the improvements along Cherry Creek at Arapahoe Road were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 40, Series of 2012, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Cherry Creek at Arapahoe Road project without prior approval of the Board shall be ~~\$1,230,000~~ **\$1,280,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Aurora, Southeast Metro Stormwater Authority, and Cherry Creek Basin Water Quality Authority."
2. All other conditions and authorizations remain as stated in Resolution No. 40, Series of 2012.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 79, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Cherry Creek at Arapahoe Road. Cities of Aurora and Centennial. Unincorporated Arapahoe County)



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 80, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial, Unincorporated Arapahoe County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Centennial and Arapahoe County have enacted floodplain regulations; and

WHEREAS, the City of Centennial and Arapahoe County have assigned and transferred to the Southeast Metro Stormwater Authority (SEMSWA) its rights and obligation for the Piney Creek at Caley Drive project; and

WHEREAS, SEMSWA, Douglas County, and the District cooperated in the preparation of "Piney Creek Major Drainageway Plan," dated February 2012; and

WHEREAS, the Board previously authorized \$3,358,000 for design, acquisition of right-of-way, and construction of improvements along Piney Creek at Caley Drive (Exhibit A); and

Piney Creek at Caley Drive Previous Authorizations

Resolution No.	Series of	District Authorization	Work Elements
40	2006	\$50,000	Phase 1 – Design Begins
57	2007	350,000	Phase 1 – Design Continues
69	2007	200,000	Phase 1 – Design Continues
07	2008	50,000	Phase 1 – Permitting and Land Acquisition
11	2009	300,000	Phase 1 – Land Acquisition
33	2010	200,000	Phase 1 – Construction Begins
66	2010	300,000	Phase 1 - Construction Complete
27	2011	200,000	Phase 2 – Design Begins
46	2013	415,000	Phase 2 – Design Continues, Project Extended Downstream
23	2014	443,000	Phase 3 – Design Begins, Phase 2 - Land Acquisition
28	2014	175,000	Phase 3 – Design Begins, Phase 2 - Land Acquisition
26	2015	575,000	Phase 3 – Land Acquisition and Permitting, Phase 2 - Permitting
53	2015	100,000	Phase 3 – Land Acquisition and Permitting, Phase 2 - Permitting
TOTAL		\$3,358,000	Phase 2 - Construction Begins in 2016, Phase 3 – Construction Pending Availability of Funding

WHEREAS, SEMSWA, the Cherry Creek Basin Water Quality Authority (CCBWQA), and the District now desire to construct improvements along Piney Creek at Caley Drive; and

WHEREAS, SEMSWA, CCBWQA, and the District have estimated the additional project costs to be \$1,850,000 resulting in a revised total project cost of \$8,866,000 (\$3,908,000 District; \$3,808,000 SEMSWA; \$1,150,000 CCBWQA); and

WHEREAS, the District's additional participation being authorized by this resolution is \$550,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 46, Series of 2014) for calendar year 2015, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Piney Creek at Caley Drive; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 52, Series of 2014) in which the improvements along Piney Creek at Caley Drive were included.

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 47, Series of 2015) for calendar year 2016, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Piney Creek at Caley Drive; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 57, Series of 2015) in which the improvements along Piney Creek at Caley Drive were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 40, Series of 2006, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Piney Creek at Caley Drive project without prior approval of the Board shall be ~~\$3,358,000~~ **\$3,908,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by Southeast Metro Stormwater Authority and Cherry Creek Basin Water Quality Authority."
2. All other conditions and authorizations remain as stated in Resolution No. 40, Series of 2006.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

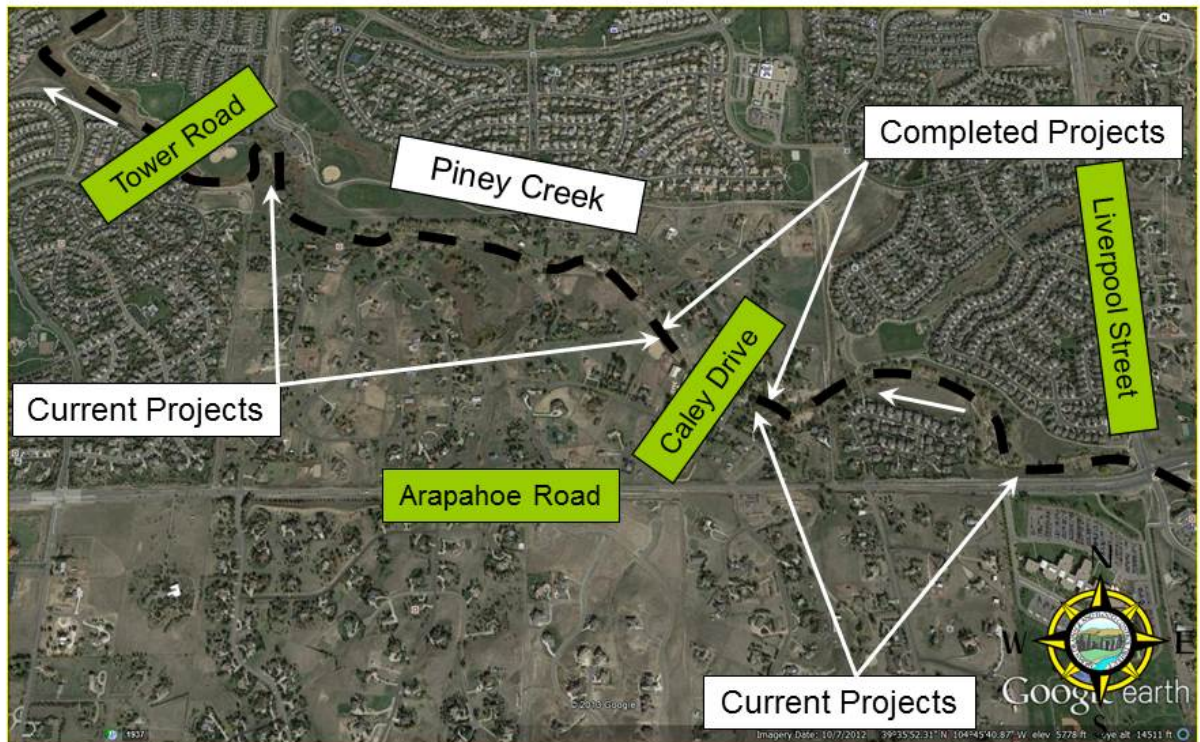
Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 80, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Piney Creek at Caley Drive, City of Centennial, Unincorporated Arapahoe County)



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 81, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on Coon Creek at Beers Sisters Lake Reservoir, Jefferson County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, Jefferson County has enacted floodplain regulations; and

WHEREAS, Jefferson County, the Foothills Park and Recreation District, and the District cooperated in the preparation of "Dutch Creek, Coon Creek, Lilley Gulch and Three Lakes Tributary Major Drainageway Planning and Flood Hazard Area Delineation," dated December 2008; and

WHEREAS, Jefferson County, the Foothills Park and Recreation District, and the District have entered into "Agreement Regarding the Intent to Assure the Flood Routing capacity of Beers Sisters Lake Reservoir in Jefferson County" (Agreement No. 13-01.42), dated June 17, 2014; and

WHEREAS, the Board previously authorized \$150,000 for design, acquisition of right-of-way, and construction of improvements along Coon Creek at Beers Sisters Lake Reservoir (Exhibit A); and

Coon Creek at Beers Sisters Lake Reservoir Previous Authorizations

Resolution No.	Series of	District Authorization	Work Elements
72	2014	\$150,000	Design
TOTAL		\$150,000	

WHEREAS, Jefferson County, the Foothills Park and Recreation District, and the District now desire to design improvements along Coon Creek at Beers Sisters Lake Reservoir; and

WHEREAS, Jefferson County, the Foothills Park and Recreation District, and the District have estimated the additional drainage project costs to be \$300,000 resulting in a revised total drainage project cost of \$600,000 (\$300,000 District; \$300,000 Jefferson County); and

WHEREAS, the District's additional participation being authorized by this resolution is \$150,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund—Construction Budget (Resolution No. 47, Series of 2015) for calendar year 2016, subsequent to public hearing, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Coon Creek at Beers Sisters Lake Reservoir; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Program (Resolution No. 57, Series of 2015) in which the improvements along Coon Creek at Beers Sisters Lake Reservoir were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 72, Series of 2014, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Coon Creek at Beers Sisters Lake Reservoir project without prior approval of the Board shall be ~~\$150,000~~ **\$300,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by Jefferson County and Foothills Park and Recreation District."
2. All other conditions and authorizations remain as stated in Resolution No. 72, Series of 2014.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

RESOLUTION NO. 81, SERIES OF 2015
(Additional Authorization to Participate in Drainage and Flood Control Improvements
On Coon Creek at Beers Sisters Lake Reservoir, Jefferson County)

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 82, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements on North Dry Gulch from Lamar Street to Teller Street, City of Lakewood, Jefferson County)

WHEREAS, the District in a policy statement previously adopted (Resolution No. 14, Series of 1970 and Resolution No. 11, Series of 1973) expressed an intent to assist public bodies which have heretofore enacted floodplain zoning measures; and

WHEREAS, the City of Lakewood has enacted floodplain regulations; and

WHEREAS, the City of Lakewood and the District cooperated in the preparation of "Outfall Systems Planning, North Dry Gulch," dated October 1995; and

WHEREAS, the Board previously authorized \$2,125,000 for design, acquisition of right-of-way, and construction of improvements along North Dry Gulch from Lamar Street to Teller Street (Exhibit A); and

North Dry Gulch from Lamar Street to Teller Street Previous Authorizations

Resolution No.	Series of	District Authorization	Work Elements
65	2008	\$350,000	OSP Update, Initiate Design
42	2011	200,000	Final Design, Initiate Right-of-Way Acquisition
25	2013	475,000	Right-of-Way Acquisition, Construction
60	2013	650,000	Design & Construction Funding
74	2014	450,000	Design & Construction Funding
TOTAL:		\$2,125,000	

WHEREAS, the City of Lakewood and the District now desire to design the improvements along North Dry Gulch from Lamar Street to Teller Street; and

WHEREAS, the City of Lakewood has estimated the additional project costs to be \$1,200,000 resulting in a revised total project cost of \$5,450,000 (\$2,725,000 District; \$2,725,000 Lakewood); and

WHEREAS, the District's additional participation being authorized by this resolution is \$600,000; and

WHEREAS, it is anticipated that additional funds may be required for this project in the future; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget (Resolution No. 47, Series of 2015) for calendar year 2016, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along North Dry Gulch from Lamar Street to Teller Street; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 57, Series of 2015) in which the improvements along North Dry Gulch from Lamar Street to Teller Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 65, Series of 2008, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the North Dry Gulch from Lamar Street to Teller Street project without prior approval of the Board shall be ~~\$2,125,000~~ **\$2,725,000** plus interest earned

on monies deposited in the project fund, which contribution shall be at least matched by the City of Lakewood."

2. All other conditions and authorizations remain as stated in Resolution No. 65, Series of 2008.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 82, SERIES OF 2015

(Additional Authorization to Participate in Drainage and Flood Control Improvements
on North Dry Gulch from Lamar Street to Teller Street, City of Lakewood, Jefferson Gulch)

EXHIBIT A

