



# URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

---

## BOARD OF DIRECTORS MEETING

Date: Thursday, June 16, 2016

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. Visitors/Guests/Staff
    - i. Jeff Shoemaker, The Greenway Foundation
    - ii. Ryan Aids, The Greenway Foundation
  - b. Awards/Recognitions
    - i. The Greenway Foundation “Hero of the River” Award
3. **Roll Call – Determination of Quorum**
4. **Approval of May 19, 2016 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. Additional Authorization to Participate in Drainage and Flood Control Improvements on Fourmile Canyon Creek at 19th Street, City of Boulder, Boulder County (Resolution No. 30, Series of 2016)
  - c. 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. 31, Series of 2016)
  - d. Authorization to Participate in Drainage and Flood Control Improvements on West Cook Creek Downstream of Lincoln Avenue, City of Lone Tree, Douglas County (Resolution No. 32, Series of 2016)
  - e. Additional Authorization to Participate in Drainage and Flood Control Improvements on Happy Canyon Creek North of Lincoln Avenue, Douglas County (Resolution No. 33, Series of 2016)
6. **Vote on Approval of the Consent Agenda** (*Motion and roll call vote required.*)
7. **Reports/Discussion**
  - a. Executive Director’s Report
8. **Announcements**
  - a. Next Regularly Scheduled Meeting: **Thursday, August 18, 2016**
  - b. **No July Board Meeting**
9. **Adjournment**





**URBAN DRAINAGE AND FLOOD CONTROL DISTRICT  
BOARD OF DIRECTORS**

**May 19, 2016**

**MINUTES**

**Members Present:**

Herb Atchison, Mayor, City of Westminster  
Bruce Beckman, Mayor, City of Littleton  
Joyce Downing, Mayor, City of Northglenn  
Stacie Gilmore, Council Member, City/County of Denver  
Mark Hunter, Engineer  
Joyce Jay, Mayor, City of Wheat Ridge  
Paul Lopez, Council Member, City/County of Denver  
Don Mares, Deputy Mayor, City/County of Denver  
Renie Peterson, Mayor Pro Tem, City of Aurora  
Jill Repella, Commissioner, Douglas County  
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  
C.J. Whelan, Mayor Pro Tem, City of Centennial  
Heidi Williams, Mayor, City of Thornton  
Mary Young, Mayor Pro Tem, City of Boulder

**Members Absent:**

Bob Fifer, Mayor Pro Tem, City of Arvada  
Deb Gardner, Commissioner, Boulder County  
Paul Kashmann, Council Member, City/County of Denver  
Adam Paul, Mayor, City of Lakewood

**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
Amelia Deleon	Human Resources Manager
Jeff Fisher	Construction Manager, Design, Construction, and Maintenance
Bryan Kohlenberg	Project Manager, Design, Construction, and Maintenance
Laura Kroeger	Assistant Program Manager, Design, Construction, and Maintenance
Monica Lovato-Ramirez	Student Intern, Design, Construction, and Maintenance
David Mallory	Program Manager, Floodplain Management
Holly Piza	Project Manager, Master Planning
Terri Schafer	Controller
David Skuodas	Project Manager, Design, Construction, and Maintenance
Kevin Stewart	Manager, Information Services & Flood Warning
Shea Thomas	Project Manager, Master Planning

**Others Present:**

Kevin Rein, Colorado Division of Water Resources

**How the Districts Works – Capital Projects Presentation**

In lieu of the typical ‘How The District Works’ presentation, Mrs. Laura Kroeger, Assistant Project Manager for the Design, Construction, and Maintenance program conducted a presentation on District capital projects that have been completed.

- 1. Call to Order and Pledge of Allegiance – 1:00 p.m.**  
Mayor Downing called the meeting to order at 1:04 p.m.

**2. Introductions**

**a. Visitors/Guests/Staff**

Mr. Hindman introduced a new student, Monica Lovato-Ramirez, who will be assisting our Design, Construction and Maintenance Program. Monica is a civil engineering student at the University of Colorado, Denver.

**b. Awards/Recognitions**

Mr. Hindman presented the Colorado Division of Water Resources (CDWR), Kevin Rein with the Friend of UDFCD Award. CDWR has been a huge help in our efforts to pass the legislation for detention basins last year. This was not an easy undertaking and CDWR helped support the District on several levels. The award was presented to CDWR at the District's Annual Seminar in April.

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

Roll was called and a quorum was declared present.

**4. Approval of April 21, 2016 Meeting Minutes**

Mayor Downing asked if there were any corrections to the April 21, 2016 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 April and May 2016, 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 2015 Audit Report  
(Resolution No. 23, Series of 2016)**

The final UDFCD 2015 Audit Report was provided to the Board at the April Board Meeting followed by a brief summary by Mr. Mark Elmshausen with CliftonLarsonAllen, LLP. Mr. Hindman asked the Board if they had any questions concerning the 2015 Audit Report. There being no further comments or questions, it was the consensus of the Board to place Resolution No. 23 on the Consent Agenda.

**c. Authorization to Participate in Drainage and Flood Control Improvements  
on Apex Gulch at Heritage Road, City of Golden, Jefferson County  
(Resolution No. 24, Series of 2016)**

This is a joint project with the City of Golden. The City of Golden desires to construct improvements along Apex Gulch at the Heritage Road crossing (County Road 93) in the City of Golden. Currently, the Gulch crossing consists of a failing concrete box structure thought to have been built in the 1930's. The box has reached its serviceable life and is in need of replacement. The proposed improvements will consist of a new 10ft x 8ft concrete box culvert with upstream and downstream channel transitions sized for the 100-year flow. Additional easement and right-of-way acquisitions are not anticipated for this project located entirely within the City of Golden's property.

The project sponsors will select an engineering consultant to perform the preliminary/final design. The District will administer the design and construction. Construction is anticipated in 2017-2018. The District and the City of Golden have identified \$400,000 in total project costs with the District's participation being \$200,000 in 2016 funds. It is anticipated that additional funds for construction will be needed in the future.

Resolution No. 24 authorizes \$200,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Golden for the design and construction of the drainageway 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.

**d. Authorization to Participate in Drainage and Flood Control Improvements on Van Bibber Creek at McIntyre Street, Jefferson County (Resolution No. 25, Series of 2016)**

This is a joint project with Jefferson County. Jefferson County desires to construct improvements along Van Bibber Creek at the McIntyre Street crossing in Jefferson County. Currently, the crossing consists of a 60-inch corrugated metal pipe, significantly undersized for the 100-year storm event. Flows frequently overtop McIntyre Street as they did during the September 2013 floods. During the flood, vehicular travel was hazardous for an extended period of time. In addition, the entrance of the pipe collapsed and the street was severely damaged. Jefferson County would like to reconstruct the crossing and roadway approaches with a roadway bridge and incorporate a recreation trail crossing

Jefferson County will provide the design of the roadway and drainageway elements of the project. The District will share in funding of the drainageway elements only. Jefferson County will administer the construction with oversight of the drainageway elements of the project provided by the District. Construction is anticipated in 2018-2019. Easement and right-of-way acquisition is included in the project costs.

The District and Jefferson County have identified \$350,000 in initial project design costs with the District's participation being \$175,000 in 2016 funds. It is anticipated that additional funds for construction will be needed in the future.

Resolution No. 25 authorizes \$175,000 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 drainageway 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.

**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. 26, Series of 2016)**

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, 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 has been completed and construction has begun. The District and the City and County of Denver desire to complete construction of the improvements which are managed by ICON Engineering, Inc.

The District and the City and County of Denver have identified \$6,470,000 in total project costs with the District's participation being \$3,235,000. The previous authorizations (Resolution No. 52, Series of 2011; Resolution No. 14, Series of 2012; and Resolution No. 35, Series of 2015) totaled \$3,200,000 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 \$35,000 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. 26 on the Consent Agenda.

**f. 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. 27, Series of 2016)**

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 almost 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 \$1,990,000 in total project costs with the District's participation being \$575,000. The previous authorizations (Resolution No. 20, Series of 2014 and Resolution No. 22, Series of 2015) totaled \$375,000 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 \$200,000 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. 27 on the Consent Agenda.

**g. Acceptance of Bear Creek Planning Study (Resolution No. 28, Series of 2016)**

Resolution No. 58 of 2014 authorized an alternatives analysis study for drainage issues along Bear Creek upstream of Sheridan Boulevard. The District partnered with the City and County of Denver to fund the study and Michael Baker International was selected to perform it.

The goal of the study was to reduce the flood risk to numerous residential and commercial properties that are in the mapped 100-year floodplain. Alternatives considered include:

- An earthen levee along Dartmouth Avenue
- Increased conveyance by lowering Bear Creek
- Increased conveyance by relocating the trail and excavating south bank
- Raise Dartmouth Avenue
- Sheridan Boulevard bridge replacement

The recommended plan is to coordinate with the Colorado Department of Transportation (CDOT) when the Sheridan Bridge is replaced to ensure a structure that will convey flows necessary to reduce the 100-year flood risk to 40 of the 46 residential and commercial structures currently in the floodplain.

The total cost of improvements recommended in the study is approximately \$3 million. Resolution No. 28 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. 28 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. 23, 24, 25, 26, 27, 28, and 29, Series of 2016, and Review of Cash Disbursements dated April and May 2016 be placed on the Consent Agenda. Mayor Downing moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

**7. Reports/Discussion**

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

**8. Executive Session – Personnel Matter – Search for and Hiring of an Executive Director [24-6-402(4)(f)(I) and (3.5) C.R.S.] (Resolution No. 29, Series of 2016)**

It was moved by Mayor Beckman to go into Executive Session at 1:38 pm to discuss the status of the search for and hiring of an Executive Director. The Executive Session concluded at 1:45 pm.

**9. Authorization to Enter Into Agreement for Search Support for Executive Director's Position**

Following the Executive Session, the Board adopted Resolution No. 29, Series of 2016, Authorization to Enter Into Agreement for Search Support for Executive Director position.

**10. Announcements**

- a. The next regularly scheduled Board meeting will take place on Thursday, June 16, 2016.
- b. No July Board Meeting.

**11. Adjournment**

Mayor Downing adjourned the meeting at 1:48 p.m.





# Executive Director's Report

May 19, 2016

## ADMINISTRATIVE

We have implemented a new electronic signature process, DocuSign, for electronic documents that require signatures. I know some of our local governments have also implemented electronic signature software as well. Prior to implementation, we vetted the process with Ed Krisor and worked out all the bugs. I've already signed several agreements using DocuSign and it seems to work fine.

Parking at the District offices may get a little stricter because I'm told that in June the office building will be at 100% occupancy. What that means for Board members is to make sure you have your parking sticker visible on the dashboard of your car. If you don't have one, let Amelia know. Also, if you forget to bring it, our front desk staff can provide you with one.

**Master Planning:** We have been approached by a few local governments to take the preliminary analysis work that has been done on the High Line Canal, to the next level. The main issue is to repurpose the High Line for treating stormwater while at the same time keeping the linear park environmentally healthy. We just signed an agreement with Greenwood Village and soon will sign one with the City of Littleton for preliminary design improvements to achieve these ends. We are encouraged that communities, and the Denver Water Board, are proceeding forward with this idea.

**Floodplain Management and Master Planning:** The South Platte River, within the District Boundaries, flows from Chatfield Reservoir to Brighton. Since the 1970's, the floodplain analysis has been studied in pieces and under several different variations of computer programs. We recently decided to merge all the studies together so that there is one continuous computer model for the entire District that maps the South Platte River floodplain. Our consultant has completed a draft report and we are in the process of conducting a technical review. While the report is not ready for distribution, our local government partners were provided with the draft results considering they have ongoing projects along the river. Before new flood maps are produced, the results of this analysis will be fully vetted by us as well as all local governments effected.

## PERSONAL

Tomorrow, I will be leaving town and heading to the Grand Canyon for a week. A few years back, I added up the number of times that I've hiked down in the big hole and this trip will be the 32<sup>nd</sup> time. Needless to say, I've had some adventures along the way so I thought I'd talk about one of the most memorable. I was in high school and along with two of my buddies we decided to hike down the Hermit Trail. It was during the summer months so we hiked at night to take advantage of the cooler temperatures. About a third of the way down, we ran into a couple from New York who were on their honeymoon. All they had was a bottle of wine, some cheese, and a blanket. They were dressed in sandals and penny loafers, both without socks and neither had a flashlight. What could go wrong? We suggested they turn around but they were determined to get to the bottom and asked if they could hike with us. They made it to the bottom but their feet looked like hamburger.

Along the way, they had asked if there was another way out and I said yes but it's a lot farther so I never thought they would try the alternate way. We fed them and everyone was off to sleep. The next morning we woke up and they were gone so we thought nothing of it thinking they just headed up the trail we just came down. Come to find out they did try the longer way and turned around after hiking many miles. That afternoon, they trudged back into camp looking like they had been on the Bataan Death March which probably was not that far off. We fed them again and wondered how they were going to get out.

*Continued on next page.....*



## PERSONAL Continued

The next day, we were all lounging around and my two buddies were hunting for anything that moved with their wrist rocket (this is a high powered sling shot and shooting anything in the National Park is illegal but we were in high school so rules don't apply). We were in an inner canyon and they were about half way up on a ledge. Then we all heard this whop, whop, whop and a helicopter came around the corner, right at the spot where my friends were. Being boys, Bob says to Joe "shoot it" and of course he did just as he was making eye contact with the pilot. Being an ex-Vietnam vet the pilot quickly jerked the stick and banked away and out of the canyon. He landed up on a rim of the inner canyon about 300 yards away from us. Since we were the only people within 20 miles, it was impossible for my friends to hide so we all walked up to where the helicopter was to confront the consequences of our actions.

Once the blades stopped, the pilot came out and unfortunately, for us, he was about six foot five and weighed about 250 pounds. He picked up Joe and started shaking him yelling "you're the @\$#! That shot me?!". Luckily for Joe the other passenger in the chopper was able to calm the pilot down before blood was drawn. However, the bad news for us was that he was the Park Ranger. He said he would have to fly us to jail in Flagstaff where our parents would be called. After a lot of talking and negotiating, we convinced him that we would check into the ranger station after we hiked out the following day. Joe was thankful because he didn't want to be in that helicopter with the pilot knowing that the trip wouldn't be a pleasant one and not sure he would get to Flagstaff alive!

After everyone had calmed down, the wife of the couple we had been taking care of suddenly appeared and pleaded to the ranger for a ride out. He said it would be \$500 which was a lot of money back in the 70's. She poured on the waterworks and eventually the ranger succumbed to the pressure and gave her a ride out. The husband hiked out with us, after we bandaged up his feet and gave him a pair of socks. At the rim, we checked into the ranger station where the authorities were waiting for us. They called each of our parents and described to them what juvenile delinquents we were and as a consequence of our actions, we might go to jail. In the end, all we had to do was go out to the heliport and apologize to the pilot.

I'm looking forward to my trip next week and I'll try to stay out of jail by leaving my wrist rocket at home. Mark Hunter is also going on the trip and I'm counting on him to be the level-headed one. Also, for the next Executive Director you probably should do a THOROUGH background check.

Have a safe Memorial Day Weekend!

Paul

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 30, SERIES OF 2016

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Fourmile Canyon Creek at 19th Street, City of Boulder, 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 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 \$300,000 for design, acquisition of right-of-way, and construction of improvements along Fourmile Canyon Creek at 19th Street (Table 1 and Exhibit A); and

**Table 1**  
**Fourmile Canyon Creek at 19th Street**  
**Previous Authorizations**

Resolution No.	Series of	District Authorization	Work Elements
18	2012	\$150,000	Design, Right of Way Purchases
15	2013	\$150,000	Design, Right of Way Purchases, and Construction Funding
<b>TOTAL</b>		<b>\$300,000</b>	

WHEREAS, the City of Boulder and the District now desire to construct improvements along Fourmile Canyon Creek at 19th Street; and

WHEREAS, the City of Boulder now desires to extend the project limits to upstream of Upland Avenue; and

WHEREAS, the City of Boulder has estimated the additional drainage project costs to be \$1,375,000 resulting in a revised total drainage project cost of \$1,975,000 (\$987,500 District; \$987,500 City of Boulder); and

WHEREAS, the District's additional participation being authorized by this resolution is \$687,500; 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. 47, Series of 2015) for calendar year 2016, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Fourmile Canyon Creek at 19th 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 Fourmile Canyon Creek at 19th Street were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 18, Series of 2012, Paragraph 3, is further amended as follows:  
"The District's maximum contribution to the Fourmile Canyon Creek at 19th Street project without prior approval of the Board shall be ~~\$300,000~~ **\$987,500** 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. 18, Series of 2012.

(SEAL)

THE URBAN DRAINAGE AND  
FLOOD CONTROL DISTRICT

Date: \_\_\_\_\_

ATTEST:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Chairperson



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 30, SERIES OF 2016

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Fourmile Canyon Creek at 19th Street, City of Boulder, Boulder County)

**EXHIBIT A**





THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 31, SERIES OF 2016

(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 \$2,049,000 for design and acquisition of right-of-way, for improvements along First Creek at Detention Basins upstream of I-70 (Table 1 and Exhibit A); and

**Table 1  
First Creek Detention Upstream of I-70  
Previous Authorizations**

Resolution No.	Series of	District Authorization	Work Elements
58	2009	\$200,000	Design
50	2010	100,000	Design
18	2011	150,000	Design and Right of Way Purchases
32	2012	600,000	Design and Right of Way Purchases
34	2013	420,000	Design and Right of Way Purchases
18	2014	379,000	Design and Right of Way Purchases
16	2015	200,000	Design and Right of Way Purchases
<b>TOTAL</b>		<b>\$2,049,000</b>	

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 drainage project costs to be \$400,000 resulting in a revised total drainage project cost of \$4,498,000 (\$2,249,000 District; \$2,249,000 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. 47, Series of 2015) for calendar year 2016, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along First Creek at Detention Basins upstream of I-70; 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 First Creek at Detention Basins 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 ~~\$2,049,000~~ **\$2,249,000** 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

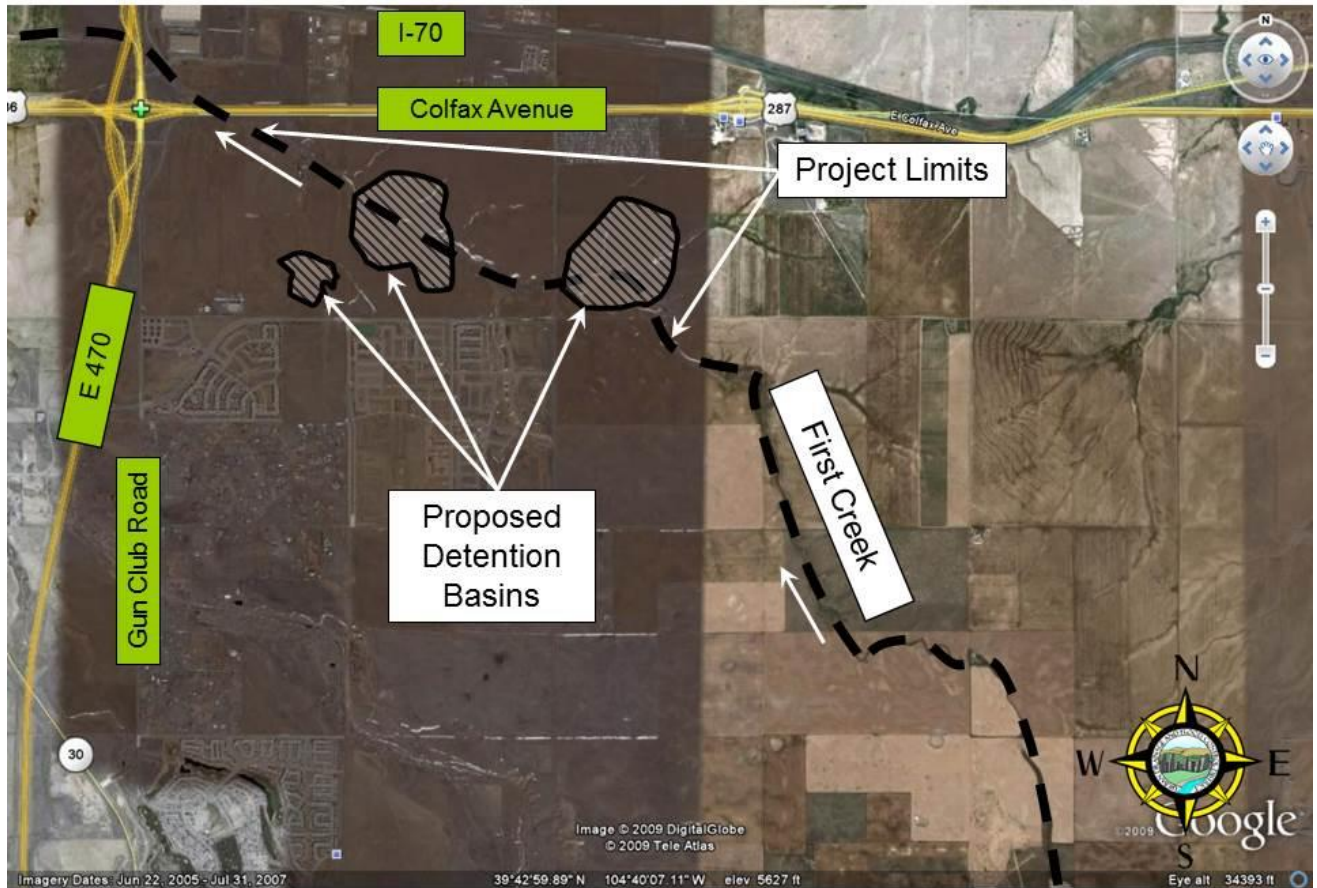


# THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

## RESOLUTION NO. 31, SERIES OF 2016

(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. 32, SERIES OF 2016

(Authorization to Participate in Drainage and Flood Control Improvements  
on West Cook Creek Downstream of Lincoln Avenue, City of Lone Tree, 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 Lone Tree has enacted floodplain regulations; and

WHEREAS, the City of Lone Tree and the District cooperated in the preparation of "Willow Creek, Little Dry Creek, and Greenwood Gulch Outfall Systems Planning Study," dated February 2010; and

WHEREAS, the City of Lone Tree has requested District participation in the design and construction of improvements along West Cook Creek downstream of Lincoln Avenue (Exhibit A); and

WHEREAS, the City of Lone Tree has estimated the total drainage 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. 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 West Cook Creek downstream of Lincoln Avenue; 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 West Cook Creek downstream of Lincoln Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with the City of Lone Tree for the design and construction of drainage and flood control improvements on West Cook Creek downstream 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 West Cook Creek downstream of Lincoln Avenue.
3. The District's maximum contribution to the West Cook Creek downstream of Lincoln Avenue 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 Lone Tree.
4. Such approval for expenditure of District funds is contingent upon the City of Lone Tree agreeing to regulate and control any defined floodplain in the West Cook Creek downstream 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

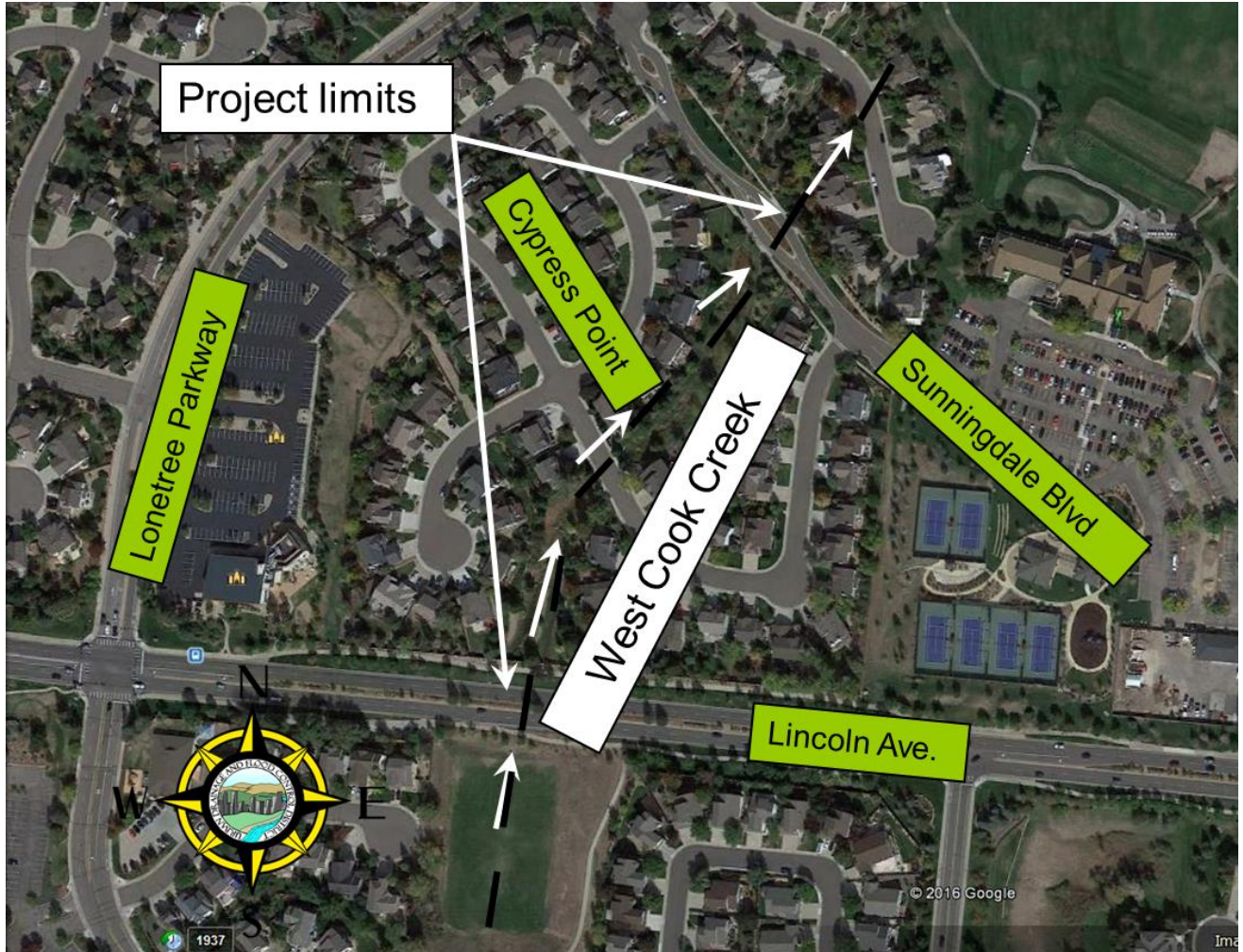
\_\_\_\_\_  
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 32, SERIES OF 2016

(Authorization to Participate in Drainage and Flood Control Improvements  
on West Cook Creek Downstream of Lincoln Avenue, City of Lone Tree, Douglas County)

EXHIBIT A







THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 33, SERIES OF 2016

(Additional 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, the Board previously authorized \$62,500 for design, acquisition of right-of-way, and construction of improvements along Happy Canyon Creek north of Lincoln Avenue (Table 1 and Exhibit A); and

Table 1
Happy Canyon Creek North of Lincoln Avenue
Previous Authorizations

Table with 4 columns: Resolution No., Series of, District Authorization, Work Elements. Row 1: 054, 2015, \$62,500, Design, Right of Way Purchases, and Construction Funding. Row 2: TOTAL, \$62,500.

WHEREAS, Douglas County and the District now desire to construct improvements along Douglas County north of Lincoln Avenue; and

WHEREAS, the District and Douglas County have \$22,351 remaining from a previous completed Happy Canyon Creek project that the Douglas County is requesting for this project; and

WHEREAS, Douglas County has estimated the additional drainage project costs to be \$189,851 resulting in a revised total drainage project cost of \$596,451.40 (\$230,000 District; \$366,451.40 Douglas County); and

WHEREAS, the District's additional participation being authorized by this resolution is \$167,500; 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. 47, Series of 2015) for calendar year 2016, subsequent to public hearing, which includes funds for 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. 57, Series of 2015) in which the improvements along Happy Canyon Creek north of Lincoln Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

- 1. Resolution No. 54, Series of 2015, Paragraph 3, is amended as follows: "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 \$230,000 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. 54, Series of 2015.

(SEAL)

THE URBAN DRAINAGE AND  
FLOOD CONTROL DISTRICT

Date: \_\_\_\_\_

ATTEST:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Chairperson



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 33, SERIES OF 2016

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Happy Canyon Creek North of Lincoln Avenue, Douglas County)

**EXHIBIT A**

