



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

BOARD OF DIRECTORS MEETING

Date: Thursday, December 21, 2017

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 Randy Ahrens (Broomfield)
 - ii. Mayor Pro Tem Marsha Berzins (Aurora)
 - iii. Mayor Pro Tem John Marriott (Arvada)
- b. Visitors/Guests/Staff
- c. Awards/Recognitions
 - i. 2017 Perfect Attendance – Board Members

3. Roll Call – Determination of Quorum

4. Approval of November 9, 2017 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. Legislative Committee
(Resolution No. 66, Series of 2017)
- c. Additional Authorization to Participate in Drainage and Flood Control Improvements on North Outfall at Midland Street, City of Brighton, Adams County
(Resolution No. 67, Series of 2017)
- d. Authorization to Participate in Drainage and Flood Control Improvements on Greenwood Gulch at Holly Street, City of Greenwood Village, Arapahoe County
(Resolution No. 68, Series of 2017)
- e. Additional Authorization to Participate in Drainage and Flood Control Improvements on Jackass Gulch at Long Avenue, City of Littleton, Arapahoe County
(Resolution No. 69, Series of 2017)
- f. Additional 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. 70, Series of 2017)
- g. Additional Authorization to Participate in Drainage and Flood Control Improvements on Sanderson Gulch from Lipan Street to the South Platte River, City and County of Denver
(Resolution No. 71, Series of 2017)
- h. Authorization for a Planning Study of Irondale Gulch Upstream of Rocky Mountain Arsenal
(Resolution No. 72, Series of 2017)
- i. Authorization for a Planning Study of Cherry Creek Tributaries Upstream of Reservoir
(Resolution No. 73, Series of 2017)
- j. Authorization for a Planning Study of Brantner Gulch
(Resolution No. 74, Series of 2017)

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

7. Reports/Discussions

- a. Executive Director's Report
- b. Public Education Campaign

8. Other Business

- a. Nominating Committee – Recommendation of 2018 Officers

9. Announcements

- a. Next Regularly Scheduled Meeting: **Thursday, February 1, 2018**
- b. The Board does not meet in January.

10. Adjournment

Merry Christmas and Happy New Year!





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

November 9, 2017

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
Stacie Gilmore, Council Member, City/County of Denver
Mark Hunter, Engineer
Joyce Jay, Mayor, City of Wheat Ridge
Angela Lawson, Mayor Pro Tem, City of Aurora
Paul López, Council Member, City/County of Denver
Adam Paul, Mayor, City of Lakewood
Stephanie Piko, Mayor Pro Tem, City of Centennial
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
Lora Thomas, Commissioner, Douglas County
Heidi Williams, Mayor, City of Thornton
Mary Young, Council Member, City of Boulder

Members Absent:

Happy Haynes, Deputy Mayor, City/County of Denver
Paul Kashmann, Council Member, City/County/Denver

UDFCD Staff Present:

| | |
|-------------------|---|
| Ken MacKenzie | Executive Director |
| Julia Bailey | Project Engineer, Operations and Development Services |
| Dave Bennetts | Program Manager, Operations and Development Services |
| Richard Borchardt | Project Manager, Stream Services |
| Barbara Chongtoua | Project Manager, Stream Services |
| Amelia Deleon | Human Resources Manager |
| Terri Fead | Project Manager, Watershed Services |
| Laura Kroeger | Program Manager, Stream Services |
| Morgan Lynch | Project Manager, Watershed Services |
| Teresa Patterson | Project Manager, Watershed Services |
| Terri Schafer | Accounting & Finance Manager |
| Brooke Seymour | Project Manager, Watershed Services |
| David Skuodas | Project Manager, Stream Services |
| Kevin Stewart | Program Manager, Flood Warning & Information Services |
| Shea Thomas | Program Manager, Watershed Services |

Others Present:

Ed Krisor, Legal Counsel
Steve Welchert, Public Affairs Consultant
Anna Sparks, Engineer Manager, Adams County
Jim Thorsen, City Manager, City of Cherry Hills Village

How the District Works

Mrs. Shea Thomas, Program Manager of the Watershed Services Program presented “The Watershed Approach to Stream Management” for this month’s How the District Works presentation.

1. **Call to Order and Pledge of Allegiance – 12:30 p.m.**
Mayor Williams called the meeting to order at 12:27 p.m.

2. **Introductions**

- a. **Visitors/Guests/Staff**

Mr. MacKenzie introduced the following guests:

- Mr. Steve Welchert, UDFCD Public Affairs Consultant
- Jim Thorsen, City Manager, City of Cherry Hills Village
- Anna Sparks, Engineer Manager, Adams County

- b. **Awards/Recognitions**

Mr. MacKenzie recognized the following Board Members that would be leaving the UDFCD Board of Directors in November:

- Mayor Joyce Downing
- Mayor Bruce Beckman
- Mayor Pro Tem Greg Stokes
- Mayor Pro Tem Bob Fifer
- Mayor Joyce Jay

As an expression of the District's appreciation for their service, each board member received a UDFCD Challenge Coin and a gift basket. Mayor Williams also thanked the Board Members for their service.

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

Roll was called and a quorum was declared present.

4. **Approval of October 19, 2017 Meeting Minutes**

Mayor Williams asked if there were any corrections to the October 19, 2017 minutes. Hearing none, the minutes were approved as submitted.

5. **Public Hearing**

- a. **Presentation of Proposed 2017 – 2021 Five-Year Capital Improvement Plan**

Mayor Williams opened the public hearing at 12:34 pm.

This is the final presentation of the Five-Year Capital Improvement Plan (CIP). The CIP was sent to local governments in October 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. Not all requests can be accommodated because there are more requests than there are funds available. A summary of the 2017 – 2021 Five-Year CIP was emailed to the Board prior to 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 2018.

Mayor Williams requested comments or questions from the Board and public. The following questions were asked by Board members:

Questions:

Commissioner Thomas asked if the projected totals of the Five-Year CIP (particularly 2019-2021) would change if the District decides to ask the electors in November 2018 to approve an increase and retention of revenue from the total mill levies? Mrs. Laura Kroeger confirmed that they would indeed increase, if the District received that elector approval. She further clarified that as the District's budgets currently stand, we have significant shortfalls with the funds the District is projected to receive without that increase.

Mr. Ken MacKenzie explained that due to the ballot proposal being considered, the District will need to prepare two budgets and two Five-Year CIPs for 2019. Once a ballot initiative is voted on, the appropriate resolutions would be chosen.

Mr. MacKenzie further explained that while the Board typically adopts the mill levy and budget at the October meeting, next year we would delay these agenda items until after the election. The deadline for certifying the mill levy is December 15.

Mayor Williams requested any further comments or questions from the Board and public. There being none, the public hearing was closed at 12:41 pm.

Informational Item: Master Planning Program 5-Year Strategic Plan (2017-2021)

Every year, the District sends a request letter to all the communities we serve to solicit master planning needs for the next five years. The District matches up to 50% of all master planning studies. Unlike the CIP, the strategic plan is not brought to the Board for approval; rather, each individual master plan will come up for authorization through a resolution. When a request for a master plan is received, The District will typically contact the other affected local governments to see if there is interest in participating in the study. A concerted effort is made to try and fit the needs of the communities to the amount of funding as best as the District can.

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 2017, 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 2018 Work Program and Authorization of Expenditures (Resolution No. 59, Series of 2017)

In previous years, the Board was asked to adopt several resolutions that captured annual funding requests from different programs. This year, all annual requests have been combined into one resolution.

Construction and Maintenance Services - \$2,269,300

- Vegetation and debris management
- Sediment removal
- Restoration projects
- Capital improvement projects

Maintenance (Stream Management) - \$8,950,970

- Vegetation and debris management
- Sediment removal
- Restoration projects

Floodplain Management - \$435,444

- Flood Hazard Area Delineation (FHAD)
- Maintenance Eligibility Program (MEP)
- Coordinate with Federal Emergency Management Agency (FEMA)

Special Projects - \$515,000

- Drainage Criteria & Standards Development
- MS4 Permit support
- Stormwater management research
- Data and records management

Flood Warning Projects - \$285,000

- ALERT communication system maintenance
- UDFCD early flood warning system
- Meteorological support – 2018 flood season
- Data and communications

ALERT 2 Implementation - \$30,000

- New ALERT gauging equipment

Flood Monitoring Services - \$630,000

- Rainfall/runoff data collection program
- Local government support: flood detection networks and flood warning plans
- Meteorological services to supplement National Weather Service watches and warnings
- Standard Operating Procedure – UDFCD Flood Disaster Mitigation Plan

Resolution No. 59 adopts the work plan for 2018 and authorizes the Executive Director to negotiate and execute necessary agreements to administer the plan. The 2018 Work Plan serves as a guide and, based on changing needs, projects may be added or removed.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 59 on the Consent Agenda.

**c. Adoption of Five-Year Capital Improvement Plan (CIP) 2017 – 2021
(Resolution No. 60, Series of 2017)**

Resolution No. 60, Adoption of the Five-Year CIP 2017 - 2021, 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. 60 on the Consent Agenda.

**d. Additional Authorization to Participate in Drainage and Flood Control Improvements on Big Dry Creek (ADCO) upstream of Sheridan Boulevard, City of Westminster, Jefferson County
(Resolution No. 61, Series of 2017)**

This is a joint project with the City of Westminster. The City of Westminster and the District desire to design, acquire right-of-way, and construct improvements along Big Dry Creek (ADCO), upstream of Sheridan Boulevard, in accordance with the "Big Dry Creek Major Drainageway Plan," dated March 2012. The project includes improvements to stabilize the highly eroding banks and bed of Big Dry Creek upstream of Sheridan (Jeffco/ADCO boundary) to Standley Lake, as funds permit. Design will include identifying the needs of each reach in accordance with the MDP and prioritizing the improvements for construction phasing based on available funding and best value. 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 the City of Westminster desire to construct the improvements, which will be managed by the District. Construction is anticipated in 2019. The District and the City of Westminster have identified an additional \$250,000 in total project costs for the design, acquisition of right-of-way, and construction, with the District's participation being \$125,000 in 2017 funds. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 61 authorizes \$125,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Westminster.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 61 on the Consent Agenda.

**e. Additional Authorization to Participate in Drainage and Flood Control Improvements on the South and Middle Branches of Hylands Creek upstream of 104th Avenue, City of Westminster, Jefferson County
(Resolution No. 62, Series of 2017)**

This is a joint project with the City of Westminster. The City of Westminster and the District desire to design, acquire right-of-way, and construct improvements along South and Middle Branches of Hylands Creek, Upstream of 104th Avenue, in accordance with the "Big Dry Creek (ADCO) and Tributaries, Outfall Systems Plan," dated January 1989. The project includes 100-year channel improvements to stabilize the eroding banks and bed, protect utilities, and improve the pedestrian/maintenance access at 104th Avenue on the South and Middle Branches of Hylands Creek, upstream of 104th Avenue. Prior to construction, stream improvement reaches will be prioritized to allow for phased construction based on

available funding and best value. 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 the City of Westminster desire to construct the improvements, which will be managed by the District. Construction is anticipated to begin in 2019. The District and the City of Westminster have identified an additional \$756,000 in total project costs for the design, acquisition of right-of-way, and construction, with the District's participation being \$378,000 in 2017 funds. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 62 authorizes \$378,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Westminster.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 62 on the Consent Agenda.

f. Authorization to Participate in Drainage and Flood Control Improvements on Greenwood Gulch at Quincy Avenue, City of Cherry Hills Village, Arapahoe County (Resolution No. 63, Series of 2017)

This is a joint project with the City of Cherry Hills Village. The City of Cherry Hills Village desires to design, acquire right-of-way, and construct improvements along Greenwood Gulch at Quincy Avenue in accordance with the "Little Dry Creek (Arapco) Watershed Downstream Portions Major Drainageway Planning," dated August 2004. The project includes improvements to reduce flood risks to Cherry Hills Municipal Center, protect utilities, create recreational amenities, and provide water access. The City of Cherry Hills Village already holds the necessary easements and right-of-way where the project will be carried out.

The City of Cherry Hills Village will be administering the design with RESPEC Engineering Company. The District and the City of Cherry Hills Village desire to construct the improvements, which will be managed by the City of Cherry Hills Village. Construction is anticipated in 2019. The District and the City of Cherry Hills Village have identified \$200,000 in initial project costs for the design, right-of-way acquisition, and partial funding of construction with the District's participation being \$100,000 in 2017 funds. It is anticipated that additional funds may be required for this project in the future.

Resolution No. 63 authorizes \$100,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Cherry Hills Village.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 63 on the Consent Agenda.

g. Acceptance of Quincy Creek, Shop Creek, and Meadowood Creek Planning Study (Resolution No. 64, Series of 2017)

Resolution No. 63, Series of 2015 authorized an outfall systems planning study for drainage issues along Quincy Drainage (renamed Quincy Creek), Shop Creek, and Meadowood Drainageway (renamed Meadowood Creek). The District partnered with the City of Aurora to fund the study. Michael Baker International, Inc. was selected to perform the study. Quincy Creek and Shop Creek are tributaries to the Cherry Creek Reservoir draining an area that is approximately 2 square miles. Meadowood Creek is tributary to West Toll Gate Creek and drains an area that is approximately 2.6 square miles.

The goals of the study were to provide conveyance of the 100-year flood event to minimize flood risk to structures currently in the floodplain, reduce the maintenance needs along the open channel, and identify opportunities for water quality treatment. Recommended improvements include new box culverts at: South Parker Road, East Iliff Avenue, East Yale Avenue, East Dartmouth Avenue, East Radcliff Place, East Rice Place and East Stanford Place

The total cost of improvements recommended in the study is over \$2.9 million. Resolution No. 64 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. 64 on the Consent Agenda.

h. Authorization to Lobby the Colorado State Legislature to Make Necessary Statutory Changes (Resolution No. 65, Series of 2017)

The election language in the UDFCD Act (32-11-104, 32-11-401, 32-11-402, and 32-11-704 C.R.S.) is in need of updating, should the District move forward with a TABOR-related ballot measure in the future.

Resolution No. 65 authorizes the District to enter into agreements with law firms, lobbyists, and others to lobby the Colorado State Legislature for changes to the District's election provisions in order to bring them into compliance with the way in which elections are currently conducted. Changes include:

- Clean-up of definitions
- Clarify that District elections may be held independently at a Special Election
- Provide a formula for determining reasonable election costs related to a special election in a manner currently used by the Scientific & Cultural Facilities District (SCFD)
- Delete outdated provisions
- Clarify provisions relating to annexation elections of the District
- Include a safety clause relating to the timing of when the bill will go into effect

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 (*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.*)

It was the consensus of the Board that Resolutions No. 59, 60, 61, 62, 63, 64, and 65, Series of 2017, and Cash Disbursements dated October and November 2017 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. Other Business

a. Call for Volunteers: Nominating Committee for 2018 Officers

Mayor Williams requested volunteers to serve on the Nominating Committee for the 2018 Executive Committee. The following board members volunteered their services:

1. Mayor Herb Atchison
2. Council Member Paul Lopez
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. Mayor Williams also requested that any Board member looking to serve on the Executive Committee should inform Ms. Amelia Deleon or anyone on the Nominating Committee.

b. Call for Volunteers: 2018 Legislative Committee

Mr. MacKenzie requested volunteers to serve on the Board's Legislative Committee. Mr. MacKenzie explained that this committee meets when new bills that affect the District are introduced. The following Board members volunteered to serve on the 2018 Legislative Committee:

1. Commissioner Libby Szabo
2. Mayor Heidi Williams
3. Commissioner Lora Thomas
4. Mayor Adam Paul
5. Council Member Paul Lopez
6. Commissioner Chaz Tedesco
7. Mayor Pro Tem Angela Lawson

9. Announcements

- a. Next Regularly Scheduled Meeting: Thursday, December 21, 2017 at 1:00 pm**

10. Adjournment

Mayor Williams adjourned the meeting at 1:12 p.m.

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 66, SERIES OF 2017
(Legislative Committee)

WHEREAS, Section 32-11-220(1)(l), C.R.S., provides that: “The district also has the following powers: To have and exercise all rights and powers necessary or incidental to or implied from the specific powers granted in this article, which specific powers shall not be considered as a limitation upon any power necessary or appropriate to carry out the purposes and intent of this article;” 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, Commissioner Lora Thomas, Mayor Adam Paul, Council Member Paul Lopez, Commissioner Charles (Chaz) Tedesco, and Mr. Dave 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. 67, SERIES OF 2017

(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 \$1,105,000 for the North Outfall at Midland Street Project (Table 1); and

**Table 1
North Outfall at Midland Street
Previous Authorizations**

| Resolution No. | Series of | District Authorization | Local Share | Work Elements |
|----------------|-----------|------------------------|--------------------|--|
| 4 | 2006 | \$0 | \$1,400,000 | Authorization for District Participation in Project |
| 25 | 2008 | \$400,000 | \$200,000 | Design, Right-of-Way Purchases, and Construction Funding |
| 44 | 2010 | \$200,000 | \$85,000 | Construction Funding |
| 25 | 2011 | \$125,000 | \$46,000 | Construction Funding |
| 11 | 2014 | \$150,000 | \$0 | Construction Funding |
| 11 | 2015 | \$100,000 | \$0 | Construction Funding |
| 24 | 2017 | \$130,000 | \$0 | Construction Funding |
| TOTAL | | \$1,105,000 | \$1,731,000 | |

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

WHEREAS, the City of Brighton has estimated the additional drainage project costs to be \$2,525,000 resulting in a revised total drainage project cost of \$5,361,000 (\$1,630,000 District; \$3,731,000 City of Brighton); and

WHEREAS, the District's additional participation being authorized by this resolution is \$525,000; and

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

WHEREAS, the District has adopted, subsequent to public hearing, a Special Revenue Fund-Construction Budget (Resolution No. 55, Series of 2017) for calendar year 2018 which includes funds for construction of drainage and flood control improvements along North Outfall at Midland Street; and

WHEREAS, the District has adopted, subsequent to a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 60, Series of 2017) 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 ~~\$1,105,000~~ **\$1,630,000** 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. 67, SERIES OF 2017

(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. 68, SERIES OF 2017

(Authorization to Participate in Drainage and Flood Control Improvements
on Greenwood Gulch at Holly Street, 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, Arapahoe County, the City of Greenwood Village, the City of Cherry Hills Village, the City of Centennial, the South Suburban Park and Recreation District, and the District cooperated in the preparation of “Little Dry Creek (Arapco) Watershed Downstream Portions Major Drainageway Planning,” dated August 2004; which recommends improvements on Greenwood Gulch at Holly Street; and

WHEREAS, the City of Greenwood Village has requested District participation in the design, acquisition of right-of-way, and construction of improvements to the Greenwood Gulch at Holly Street (Exhibit A); and

WHEREAS, the City of Greenwood Village has estimated the initial project costs to be \$750,000; and

WHEREAS, the District’s participation being authorized by this resolution is \$375,000 to at least be matched by the City of Greenwood Village; and

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

WHEREAS, the District has adopted, subsequent to a public hearing, a Special Revenue Fund–Construction Budget (Resolution No. 55, Series of 2017) for calendar year 2018, which includes funds for design, acquisition of right-of-way, and construction of drainage and flood control improvements along Greenwood Gulch at Holly Street; and

WHEREAS, the District has adopted, subsequent to a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 60, Series of 2017) in which the improvements along Greenwood Gulch at Holly Street 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 Greenwood Gulch at Holly Street.
2. The Executive Director is authorized to enter into agreements 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 Greenwood Gulch at Holly Street.
3. The District’s maximum contribution to the Greenwood Gulch at Holly Street project, without prior approval of the Board, shall be \$375,000 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 Greenwood Gulch at Holly 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

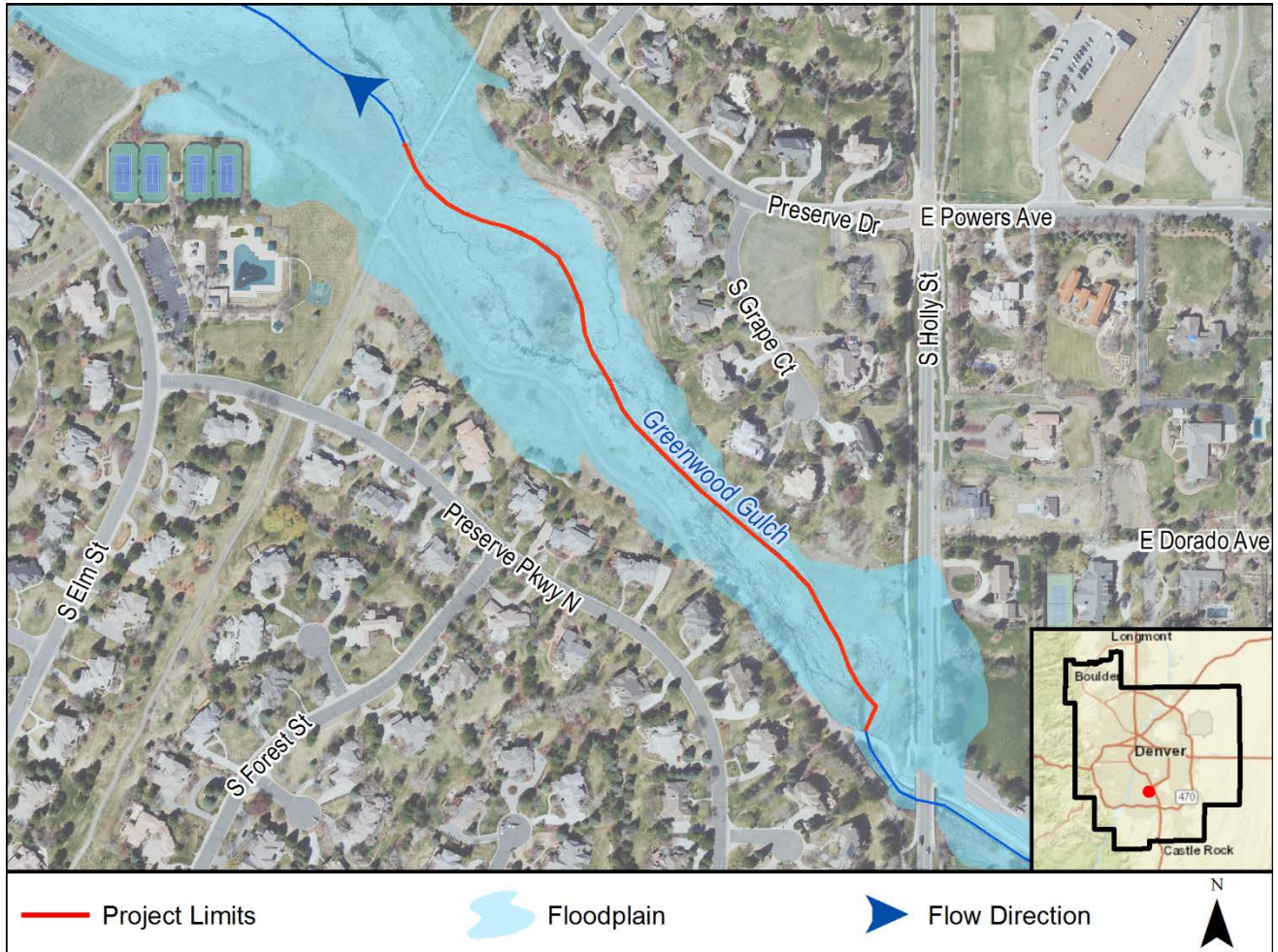
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 68, SERIES OF 2017

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

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 69, SERIES OF 2017

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Jackass Gulch at Long Avenue, 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 "Lower Dad Clark Gulch and DFA 0068 Outfall Systems Planning," dated February 1991; and

WHEREAS, the Board previously authorized \$425,000 for the Jackass Gulch at Long Avenue Project (Table 1); and

**Table 1
Jackass Gulch at Long Avenue
Previous Authorizations**

| Resolution No. | Series of | District Authorization | Local Share | Work Elements |
|----------------|-----------|------------------------|------------------|---------------|
| 22 | 2014 | \$225,000 | \$225,000 | Design |
| 51 | 2017 | \$200,000 | \$200,000 | Construction |
| TOTAL | | \$425,000 | \$425,000 | |

WHEREAS, the City of Littleton and the District now desire to construct improvements along Jackass Gulch at Long Avenue (Exhibit A); and

WHEREAS, the District’s additional participation being authorized by this resolution is \$225,000 to at least be matched by the City of Littleton; and

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

WHEREAS, the District has adopted, subsequent to public hearing, a Special Revenue Fund-Construction Budget (Resolution No. 55, Series of 2017) for calendar year 2018 which includes funds for construction of drainage and flood control improvements along Jackass Gulch at Long Avenue; and

WHEREAS, the District has adopted, subsequent to a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 60, Series of 2017) in which the improvements along Jackass Gulch at Long Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

- Resolution No. 22, Series of 2014, Paragraph 3, is amended as follows:
“The District’s maximum contribution to the Jackass Gulch at Long Avenue project without prior approval of the Board shall be ~~\$425,000~~ **\$650,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Littleton.”
- All other conditions and authorizations remain as stated in Resolution No. 22, Series of 2014.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

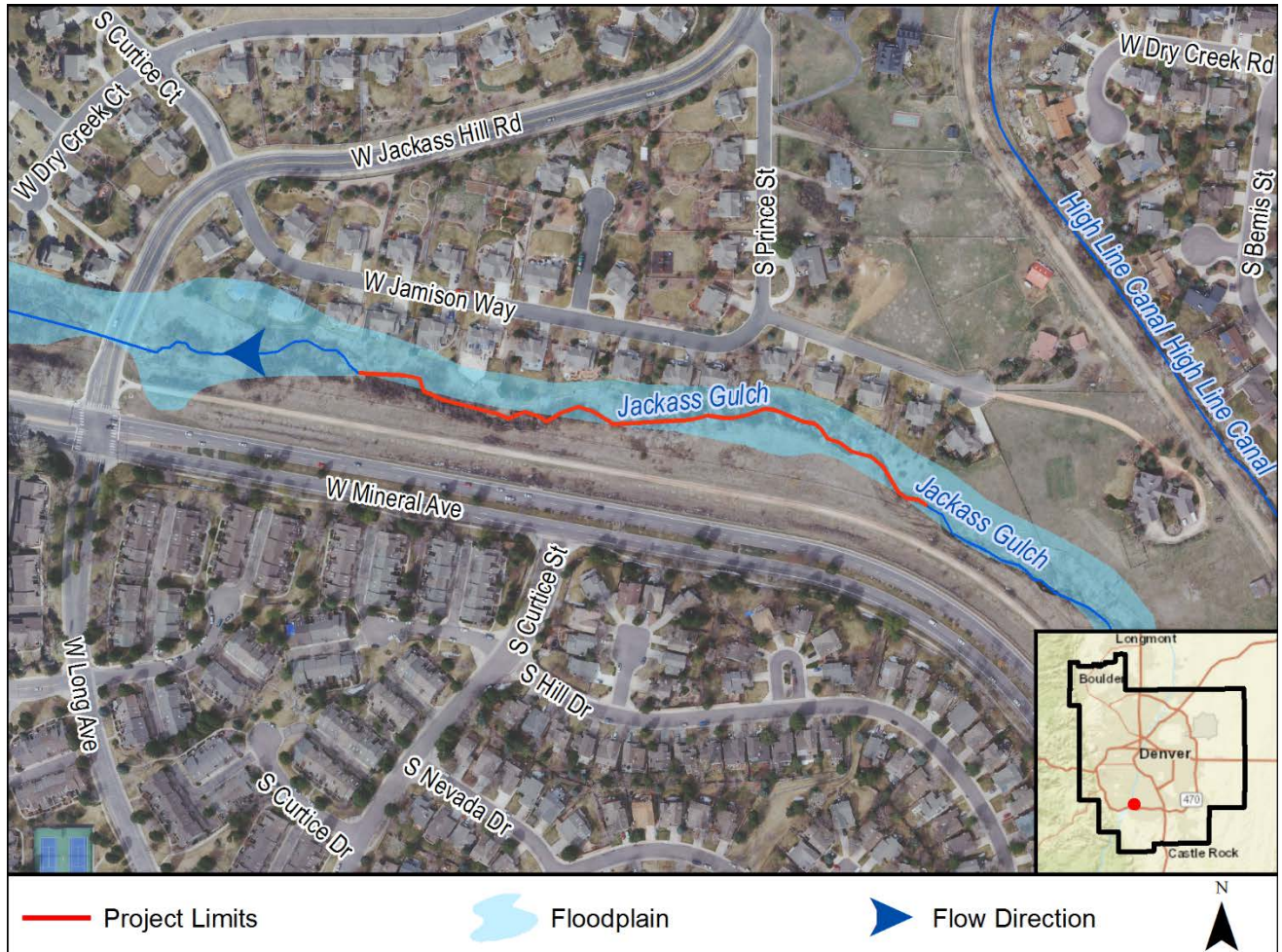
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 69, SERIES OF 2017

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Jackass Gulch at Long Avenue, City of Littleton, Arapahoe County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 70, SERIES OF 2017

(Additional 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 Board previously authorized \$100,000 for the West Cook Creek downstream of Lincoln Avenue Project (Table 1); and

Table 1
West Cook Creek downstream of Lincoln Avenue
Previous Authorizations

| Resolution No. | Series of | District Authorization | Local Share | Work Elements |
|----------------|-----------|------------------------|------------------|---------------|
| 32 | 2016 | \$100,000 | \$100,000 | Final Design |
| TOTAL | | \$100,000 | \$100,000 | |

WHEREAS, the City of Lone Tree and the District now desire to construct improvements along West Cook Creek downstream of Lincoln Avenue (Exhibit A); and

WHEREAS, the District’s additional participation being authorized by this resolution is \$200,000 to at least be matched by the City of Lone Tree; and

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

WHEREAS, the District has adopted, subsequent to a public hearing, a Special Revenue Fund-Construction Budget (Resolution No. 55, Series of 2017) for calendar year 2018 which includes funds for construction of drainage and flood control improvements along West Cook Creek downstream of Lincoln Avenue; and

WHEREAS, the District has adopted, subsequent to a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 60, Series of 2017) in which the improvements along West Cook Creek downstream of Lincoln Avenue were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

- Resolution No. 32, Series of 2016, Paragraph 3, is amended as follows:
“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~~ **\$300,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Lone Tree.”
- All other conditions and authorizations remain as stated in Resolution No. 32, Series of 2016.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

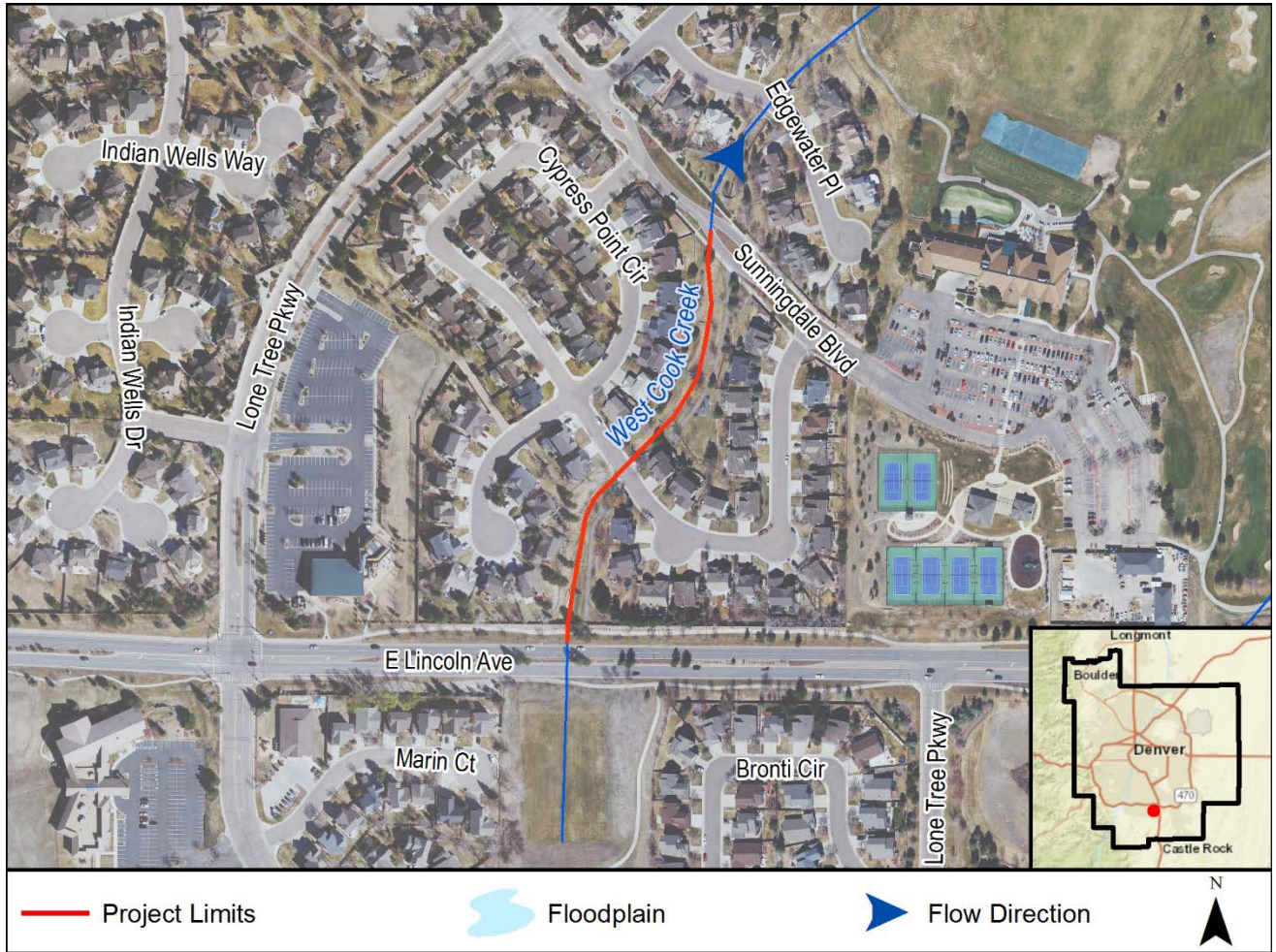
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 70, SERIES OF 2017

(Additional 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. 71, SERIES OF 2017

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Sanderson Gulch from Lipan Street to the South Platte River, 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 "Sanderson Gulch Master Drainageway Plan," dated September 2013; and

WHEREAS, the Board previously authorized \$1,800,000 for the Sanderson Gulch from Lipan Street to the South Platte River Project (Table 1); and

**Table 1
Sanderson Gulch from Lipan Street to the South Platte River
Previous Authorizations**

| Resolution No. | Series of | District Authorization | Local Share | Work Elements |
|----------------|-----------|------------------------|--------------------|---------------------------------|
| 12 | 2016 | \$800,000 | \$800,000 | Design and Construction Funding |
| 19 | 2017 | \$1,000,000 | \$7,400,000 | Construction Funding |
| TOTAL | | \$1,800,000 | \$8,200,000 | |

WHEREAS, the City and County of Denver and the District now desire to construct improvements along Sanderson Gulch from Lipan Street to the South Platte River (Exhibit A); and

WHEREAS, the District’s additional participation being authorized by this resolution is \$830,000, which sum includes \$500,000 of District funds to be transferred from the recently-completed River North Outfall project (Resolution No. 26, Series of 2014) to this project; and

WHEREAS, District funds will be at least matched by the 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. 55, Series of 2017) for calendar year 2018, subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Sanderson Gulch from Lipan Street to the South Platte River; and

WHEREAS, the District has adopted, at a public hearing, a Five-Year Capital Improvement Plan (Resolution No. 60, Series of 2017) in which the improvements along Sanderson Gulch from Lipan Street to the South Platte River were included.

NOW, THEREFORE, BE IT RESOLVED THAT:

- Resolution No. 12, Series of 2016, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Sanderson Gulch from Lipan Street to the South Platte River project without prior approval of the Board shall be ~~\$1,800,000~~ **\$2,630,000** 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. 12, Series of 2016.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

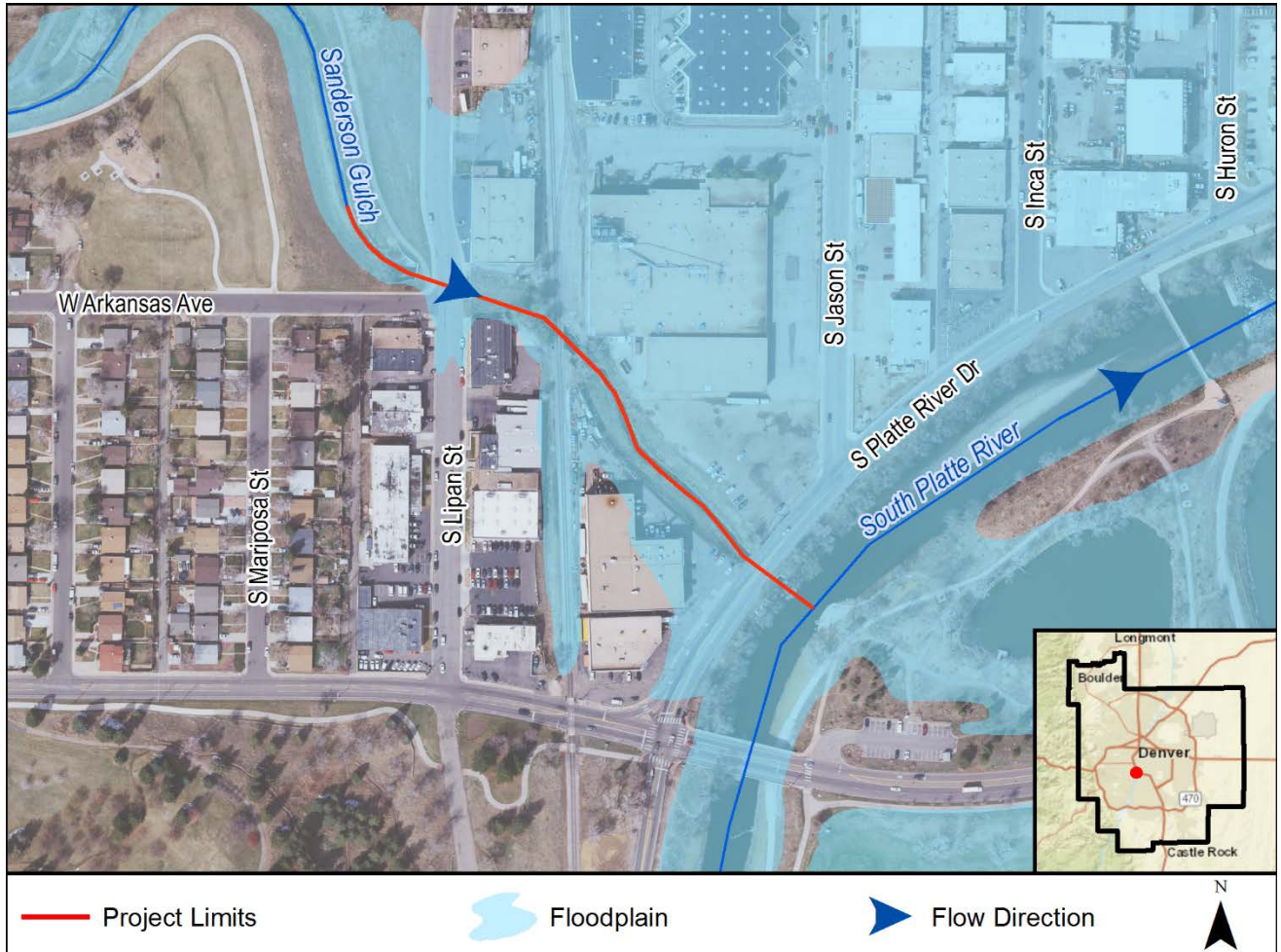
Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 71, SERIES OF 2017

(Additional Authorization to Participate in Drainage and Flood Control Improvements on Sanderson Gulch from Lipan Street to the South Platte River, City and County of Denver)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 72, SERIES OF 2017

(Authorization for a Planning Study of Irondale Gulch Upstream of Rocky Mountain Arsenal)

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 and the City of Aurora have enacted floodplain regulations; and

WHEREAS, the Board has previously established a Work Program for 2018 (Resolution No. 59, Series of 2017) which includes master planning; and

WHEREAS, the Board previously cooperated with the City and County of Denver and the City of Aurora to prepare the “Irondale Gulch and DFA 0055 Stormwater Outfall Systems Plan” report (Wright Water Engineers, 1990); and

WHEREAS, the City and County of Denver and the City of Aurora have expressed a desire to participate in a study leading to an Outfall Systems Plan and a Flood Hazard Area Delineation (FHAD) for Irondale Gulch and tributaries upstream of the Rocky Mountain Arsenal; and

WHEREAS, the Board wishes to cooperate with the City and County of Denver and the City of Aurora in the identification of solutions to stormwater drainage and flood control management problems for Irondale Gulch and tributaries (Exhibit A); and

WHEREAS, the cost of engineering and mapping services for master planning is estimated to be \$160,000 and is expected to be divided among participating entities as follows:

| | <u>Planning Study</u> |
|---------------|-----------------------|
| UDFCD | \$80,000 |
| Denver | \$68,000 |
| <u>Aurora</u> | <u>\$12,000</u> |
| TOTAL | \$160,000 |

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 Aurora to fund the required engineering and mapping services for the Irondale 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 \$160,000 and the District’s share of total costs shall not exceed \$80,000 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 Aurora.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 72, SERIES OF 2017

(Authorization for a Planning Study of Irondale Gulch Upstream of Rocky Mountain Arsenal)

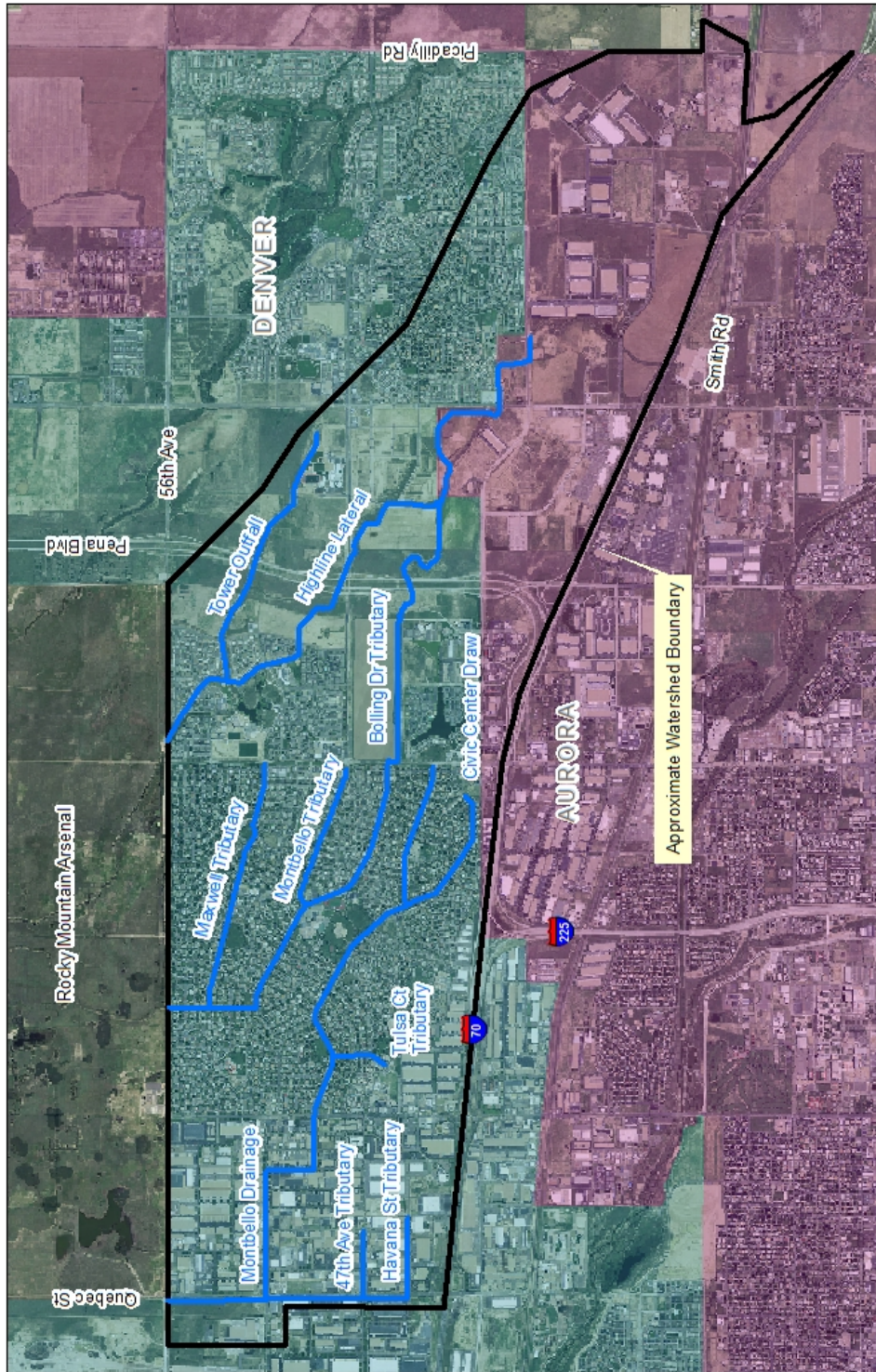


EXHIBIT A
Irondale Gulch (u/s of RMA) OSP
Approximate Study Limits
December 2017

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 73, SERIES OF 2017

(Authorization for a Planning Study of Cherry Creek Tributaries Upstream of Reservoir)

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

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

WHEREAS, the Board has previously established a Work Program for 2018 (Resolution No. 59, Series of 2017) which includes master planning; and

WHEREAS, the Board previously cooperated with Arapahoe County and the City of Aurora to prepare the "Cherry Creek Corridor Reservoir to County Line Outfall Systems" report (WRC Engineering, 1999); and

WHEREAS, SEMSWA and the City of Aurora have expressed a desire to participate in a study leading to a Major Drainageway Plan and a Flood Hazard Area Delineation (FHAD) for the tributaries to Cherry Creek within the study area; and

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

WHEREAS, the cost of engineering and mapping services for master planning is estimated to be \$190,000 and is expected to be divided among participating entities as follows:

| | <u>Planning Study</u> | <u>FHAD</u> |
|---------------|-----------------------|-------------|
| UDFCD | \$75,000 | \$40,000 |
| SEMSWA | \$60,000 | \$0 |
| <u>Aurora</u> | <u>\$15,000</u> | <u>\$0</u> |
| TOTAL | \$150,000 | \$40,000 |

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with the Southeast Metro Stormwater Authority (SEMSWA) and the City of Aurora to fund the required engineering and mapping services for the Cherry Creek Tributaries 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 \$190,000 and the District's share of total costs shall not exceed \$115,000 plus interest earned on monies deposited in the project fund which contribution for the planning portion of this project shall be matched by Arapahoe County and 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. 73, SERIES OF 2017

(Authorization for a Planning Study of Cherry Creek Tributaries Upstream of Reservoir)

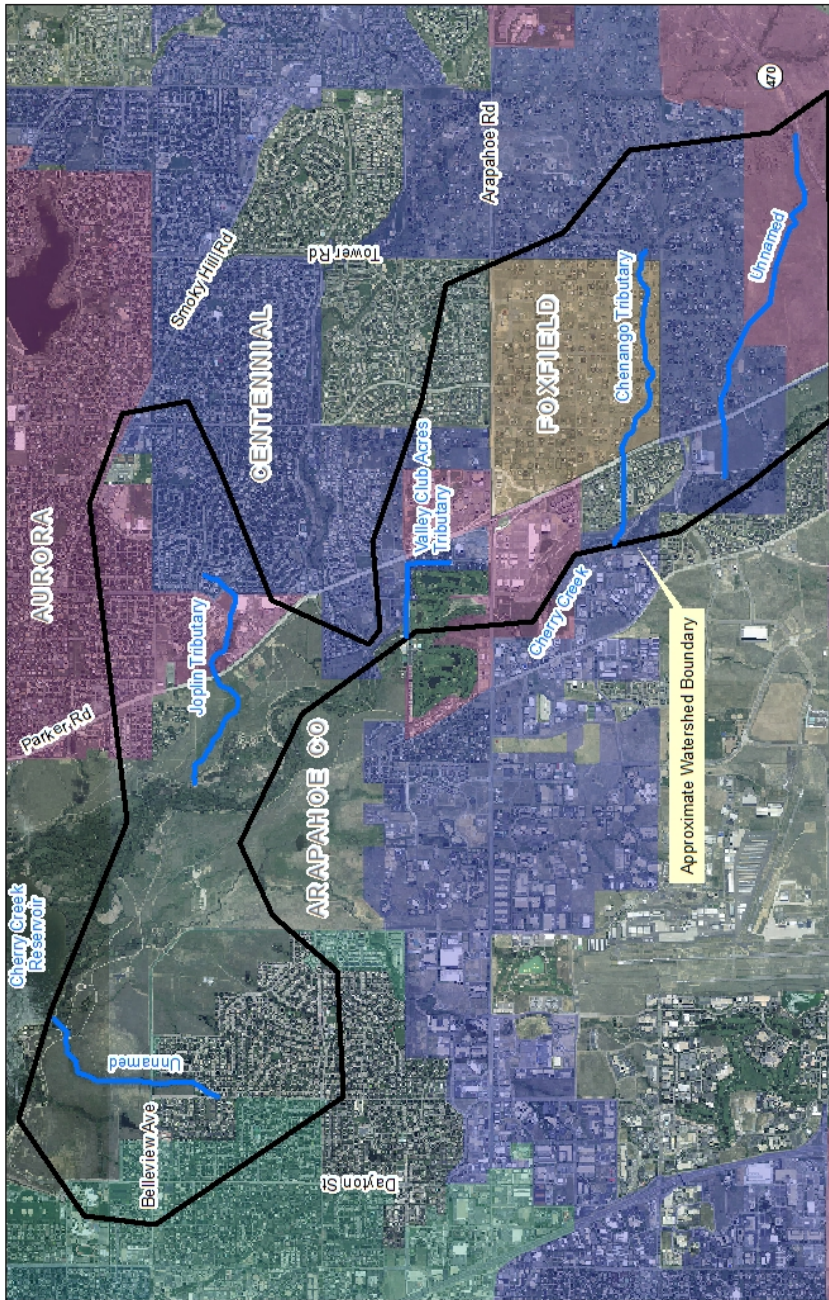


EXHIBIT A
Cherry Creek Tributaries MDP & FHAD
Approximate Study Limits
December 2017

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 74, SERIES OF 2017
(Authorization for a Planning Study of Brantner 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 have heretofore enacted floodplain zoning measures; and

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

WHEREAS, the Board has previously established a Work Program for 2018 (Resolution No. 59, Series of 2017) which includes master planning; and

WHEREAS, the Board previously cooperated with Adams County and the City of Thornton to prepare the “Brantner Gulch Major Drainageway Planning,” report (Sellards & Grigg, 1983), and later to prepare the “Lower Brantner Gulch Major Drainageway Planning Update,” report (Love & Associates, 2005); and

WHEREAS, Adams County, the City of Thornton, and the City of Northglenn have expressed a desire to participate in a study leading to a Major Drainageway Plan and a Flood Hazard Area Delineation (FHAD) for Brantner Gulch and tributaries; and

WHEREAS, the Board wishes to cooperate with Adams County, the City of Thornton, and the City of Northglenn in the identification of solutions to stormwater drainage and flood control management problems for Brantner Gulch and tributaries (Exhibit A); and

WHEREAS, the cost of engineering and mapping services for master planning is estimated to be \$260,000 and is expected to be divided among participating entities as follows:

| | <u>Planning Study</u> | <u>FHAD</u> |
|-------------------|-----------------------|-------------|
| UDFCD | \$100,000 | \$60,000 |
| Thornton | \$80,000 | \$0 |
| Adams County | \$15,000 | \$0 |
| <u>Northglenn</u> | <u>\$5,000</u> | <u>\$0</u> |
| TOTAL | \$200,000 | \$60,000 |

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute an agreement with Adams County, the City of Thornton, and the City of Northglenn to fund the required engineering and mapping services for the Brantner 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 \$260,000 and the District’s share of total costs shall not exceed \$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 Adams County, the City of Thornton, and the City of Northglenn.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 74, SERIES OF 2017
(Authorization for a Planning Study of Brantner Gulch)

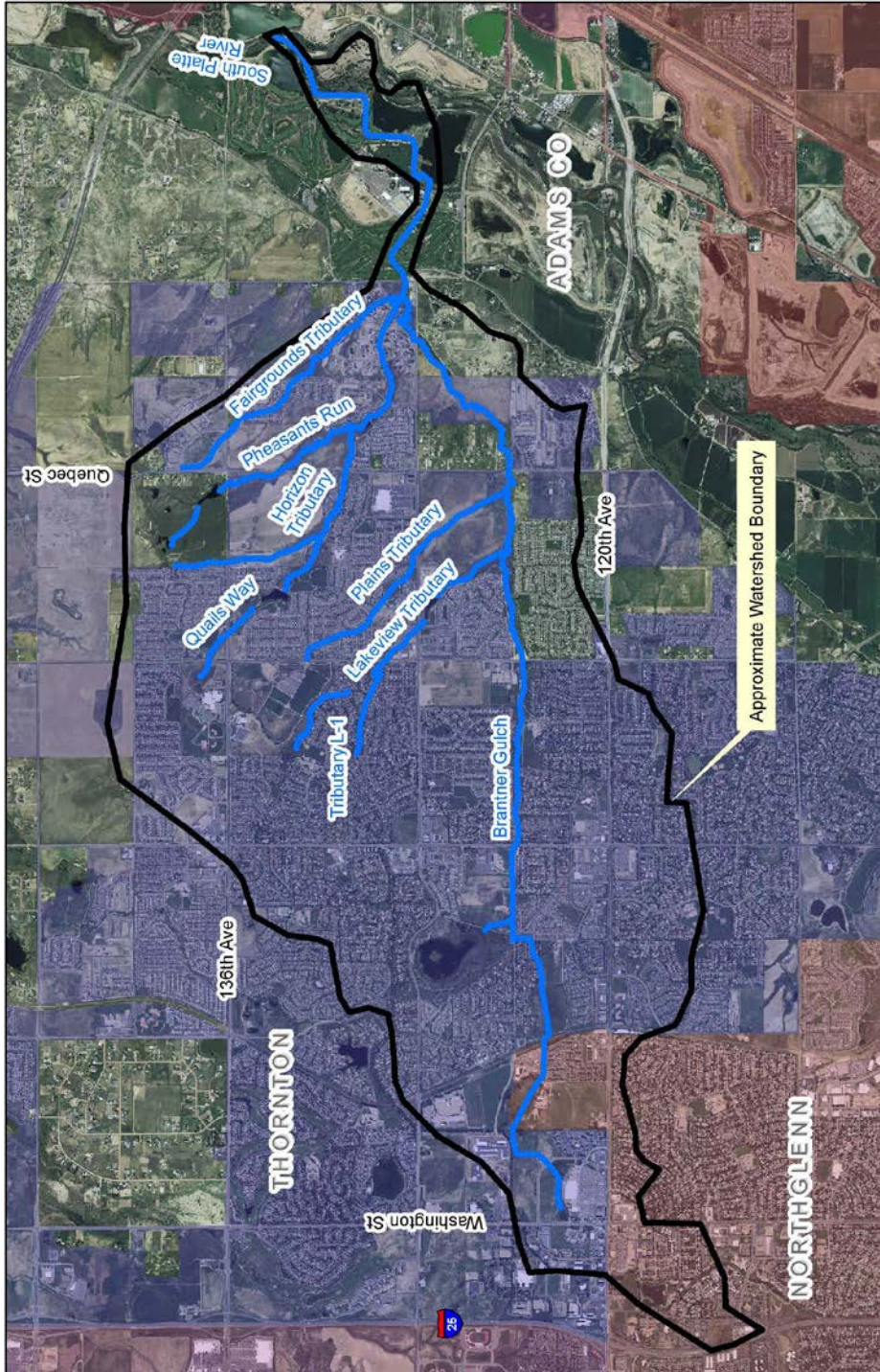


EXHIBIT A
Brantner Gulch & Tributaries MDP & FHAD
Approximate Study Limits
December 2017

