

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
RESOLUTION NO. 1, SERIES OF 2010
(Reappointment of George (Dave) Sellards to Board of Directors)

WHEREAS, the term of George (Dave) Sellards as director of Urban Drainage and Flood Control District ends, January 31, 2010; 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 in 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 a director to the board.”; and

WHEREAS, Dave Sellards is an elector of the District, is not an officer employed by any public body, is a licensed Colorado professional engineer holding license number 5632 and is currently a director of the District.

NOW, THEREFORE, BE IT RESOLVED THAT:

Dave Sellards is reappointed as a member of the Board of Directors of the Urban Drainage and Flood Control District, for a term ending on January 31, 2012.

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 2, SERIES OF 2010
(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 156B, 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. 3, SERIES OF 2010
(Additional Authorization to Participate in Drainage and Flood Control Improvements
On Shaw Heights Tributary at Circle Drive in 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, Jefferson County, City of Arvada, and the District cooperated in the preparation of "Major Drainageway Planning Little Dry Creek (ADCO)" dated April 1979; and

WHEREAS, the Board previously authorized, (Resolution No. 24, Series of 2006 and Resolution No. 47, Series of 2009) \$60,000 for design, acquisition of right-of-way, and construction of improvements along Shaw Heights Tributary at Circle Drive (Exhibit A); and

WHEREAS, additional project costs have been estimated to be \$790,000 resulting in a revised total project cost of \$910,000; and

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

WHEREAS, the District has adopted at a public hearing a Five-Year Capital Improvement Plan, (Resolution No. 71, Series of 2009) in which the improvements along Shaw Heights Tributary at Circle Drive were included; and

WHEREAS, the District has adopted a Special Revenue Fund-Construction Budget, (Resolution No. 66, Series of 2009) for calendar year 2010 subsequent to public hearing, which includes funds for construction of drainage and flood control improvements along Shaw Heights Tributary at Circle Drive.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Resolution No. 24, Series of 2006, Paragraph 3, is further amended as follows:
"The District's maximum contribution to the Shaw Heights Tributary at Circle Drive project without prior approval of the Board shall be ~~\$60,000~~ **\$160,000** plus interest earned on monies deposited in the project fund, which contribution shall be at least matched by the City of Westminster and Adams County."
2. All other conditions and authorizations remain as stated in Resolution No. 24, Series of 2006.

(SEAL)

THE URBAN DRAINAGE AND
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ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 3, SERIES OF 2010

(Additional Authorization to Participate in Drainage and Flood Control Improvements
On Shaw Heights Tributary at Circle Drive in Adams County)

EXHIBIT A



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 4, SERIES OF 2010

(Authorization to Develop Regional Guidance for Use of EPA Hydrology Software)

WHEREAS, the District since 1978 has supported, maintained, and made available the Colorado Urban Hydrograph Procedure (CUHP), a unit hydrograph software program which has been calibrated based on rainfall-runoff data collected in the Denver region; and

WHEREAS, CUHP has been used for drainage and flood control infrastructure planning, analysis, sizing and design on a regional basis since 1982; and

WHEREAS, the U.S. Environmental Protection Agency (EPA) in 2005 released the current version of the EPA Storm Water Management Model (EPA SWMM), a rainfall-runoff simulation software program which will be supported by EPA well into the future; and

WHEREAS, the EPA SWMM model has capabilities and features that CUHP does not, including single event or long-term continuous simulation of runoff quantity and quality from urban areas; and

WHEREAS, the EPA SWMM model will benefit drainage and flood control infrastructure planning, analysis, sizing and design only if it is calibrated to produce results similar to the current version of CUHP; and

WHEREAS, it has been determined that a method by which EPA SWMM may be calibrated to produce computational results similar to CUHP will take twelve months to develop at an estimated total cost of \$40,000; and

WHEREAS, sufficient funds have been budgeted for a CUHP and hydrological software maintenance in the 2010 budget and expenditures are expected to be within the budget limit; and

WHEREAS, the Board believes it is prudent to develop, maintain, and make freely available hydrological computation methods which provide regionally consistent designs.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Executive Director is authorized to execute the necessary agreements with qualified consultants to assist the District in providing regional guidance for calibrating EPA SWMM to CUHP.
2. The expenditure for this work shall not exceed \$40,000 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. 5, SERIES OF 2010
(Authorization for a Planning Study Update of Marston Lake North)

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, and Jefferson County have enacted floodplain regulations; and

WHEREAS, the Board wishes to cooperate with the City and County of Denver, City of Lakewood, and Jefferson County in the identification of solutions to stormwater drainage and flood control management problems for the Marston Lake North drainage basin (Exhibit A); and

WHEREAS, the City and County of Denver, Denver Water, and the District cooperated in the preparation of a Major Drainageway Plan entitled "Marston Lake North" dated October 1979; and

WHEREAS, the Board has previously established a Work Program for 2010 (Resolution No. 72, Series of 2009) which includes master planning; and

WHEREAS, the City and County of Denver, Denver Water, City of Lakewood, and Jefferson County have expressed a desire to participate in a study leading to a major drainageway plan update for the Marston Lake North drainage basin and to fund the local share; 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>
District	\$ 80,000
Denver	\$ 26,000
Denver Water	\$ 26,000
Lakewood	\$ 8,000
<u>Jefferson County</u>	<u>\$ 20,000</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, Denver Water, City of Lakewood, and Jefferson County to fund the required engineering and mapping services for Marston Lake North 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, City of Lakewood, and Jefferson County

(SEAL)

THE URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

Date: _____

ATTEST:

Secretary

Chairperson

THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 5, SERIES OF 2010
(Authorization for a Planning Study Update of Marston Lake North)

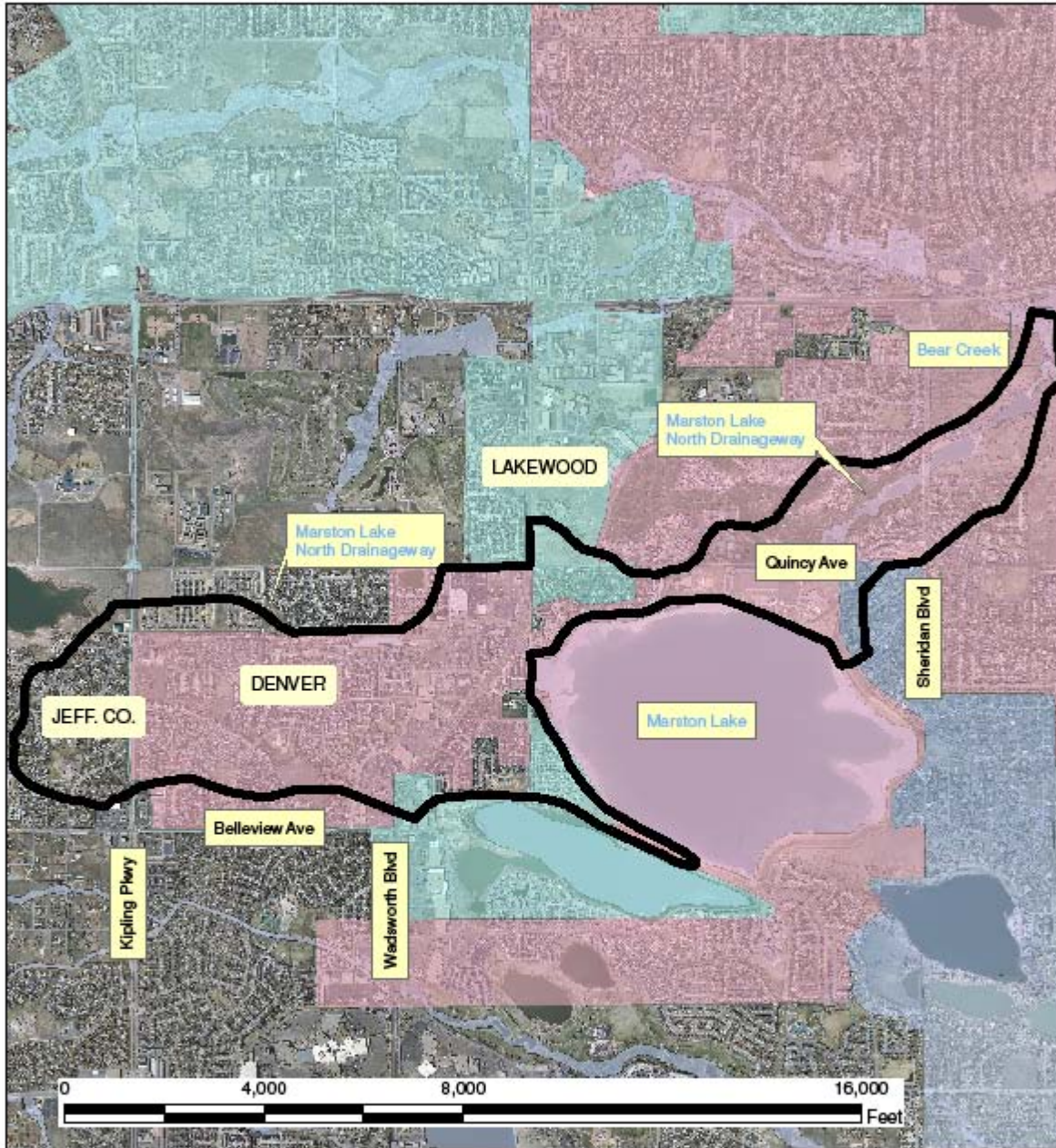


EXHIBIT A
MARSTON LAKE NORTH
MAJOR DRAINAGEWAY PLAN UPDATE
Approximate Study Limits
January 2010



THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

RESOLUTION NO. 6, SERIES OF 2010

(Authorization for a Planning Study Update of Second Creek in Aurora)

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 wishes to cooperate with the City of Aurora in the identification of solutions to stormwater drainage and flood control management problems for Second Creek within the city limits (Exhibit A); and

WHEREAS, the Board has previously established a Work Program for 2010 (Resolution No. 72, Series of 2009) which includes master planning; and

WHEREAS, the City of Aurora has expressed a desire to participate in a study leading to a major drainageway plan and flood hazard area delineation for Second Creek within the city limits and to fund the local share; 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>
District	\$ 125,000
<u>Aurora</u>	<u>\$ 125,000</u>
TOTAL	\$ 250,000

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 Second 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 \$125,000 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. 6, SERIES OF 2010
(Authorization for a Planning Study Update of Second Creek in Aurora)

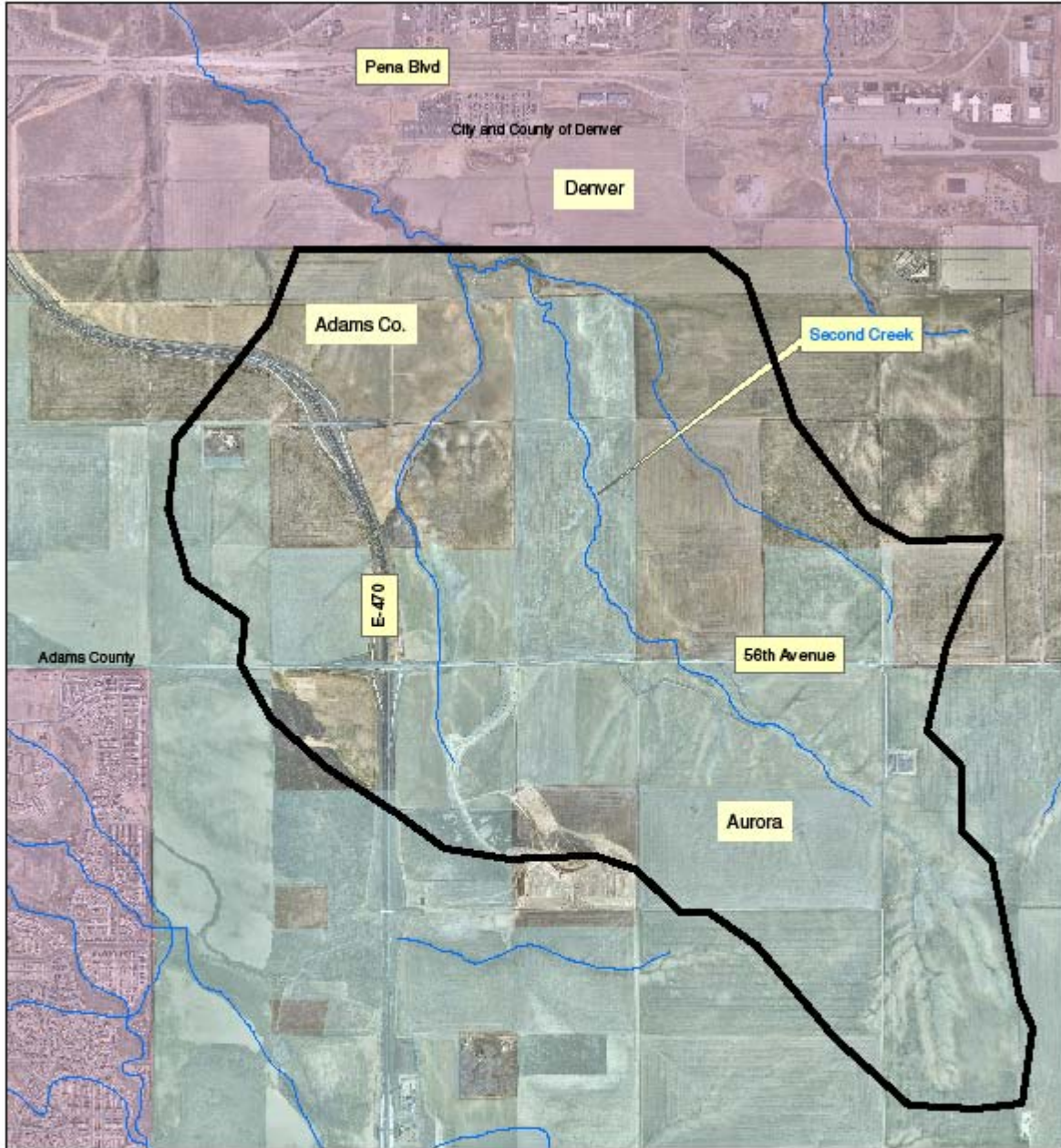


EXHIBIT A
SECOND CREEK
Major Drainageway Plan and FHAD
Approximate Study Limits
January 2010

