

SOUTHEAST METRO STORMWATER AUTHORITY
acting by and through
SEMSWA WATER ACTIVITY ENTERPRISE

RESOLUTION 13-24

Authorization for the Funding in 2014 of the Antelope Creek Culvert under Arapahoe Road

Whereas, the City of Centennial and Arapahoe County (Sponsors) wish to widen Arapahoe Road from Waco to Himalaya (Project); and

WHEREAS, the 2012 "Piney Creek Major Drainageway Plan Conceptual Design Report" has identified the Antelope Creek culvert under Arapahoe Road as being hydraulically inadequate; and

WHEREAS, SEMSWA has inspected the condition of the Antelope Creek culvert under Arapahoe Road, which is a corrugated aluminum plate arch, and found that corrosion of the metal has resulted in a number of large holes in the culvert walls, allowing backfill material to enter the culvert interior; and

WHEREAS, SEMSWA has adopted Resolution 13-13, Transportation Project Funding Participation Policy, which establishes SEMSWA's responsibility for the costs (engineering, permitting, and construction) associated with replacing hydraulically inadequate crossroad culverts to the length necessary to cross the existing roadway; and

WHEREAS, the Project requires that the length of the Antelope Creek culvert under Arapahoe Road be increased to accommodate the proposed widened roadway; and

WHEREAS, the construction cost of a new, hydraulically adequate Antelope Creek culvert under Arapahoe Road, of the length to accommodate the widened roadway, has been estimated by the Sponsors to be \$788,251 (including a 15% contingency); and

WHEREAS, SEMSWA has used the Sponsors' estimate for the new, longer culvert as the basis for determining that the construction cost for the hydraulically adequate culvert under the existing roadway would be approximately \$400,000, and engineering and permitting costs for such a culvert would be approximately \$110,000; and

WHEREAS, since the Sponsors' estimate of the new culvert's construction cost is based on very preliminary information, it is recommended that an additional 10% contingency of \$51,000, be included in SEMSWA's budget for its share of the culvert replacement cost, to cover unanticipated costs which may occur during design and construction; and

WHEREAS, the Sponsors have requested that in lieu of SEMSWA constructing the culvert that SEMSWA transfer the \$561,000 to them for their use in constructing the culvert; and

WHEREAS, SEMSWA's adopted budget for calendar year 2013 does not include funds for the replacement of the Antelope Creek culvert under Arapahoe Road; and

WHEREAS, the construction of the Project will not begin until 2014 but the Sponsors have requested SEMSWA's commitment to fund the construction of the culvert in 2013 for purposes of financial planning.

NOW, THEREFORE BE IT RESOLVED THAT:

1. The Board authorizes the placement of the funding of this Project in SEMSWA's 2014 Budget as a separate line item in an amount not to exceed \$561,000 for design, permitting, construction, and contingencies of the Antelope Creek culvert under Arapahoe Road;
2. The Executive Director is directed to notify the Project Sponsors of this authorization and to insure prompt transfer of the authorized amount in 2014, when requested in writing, following formal authorization for construction of the project.

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Date: _____

ATTEST:

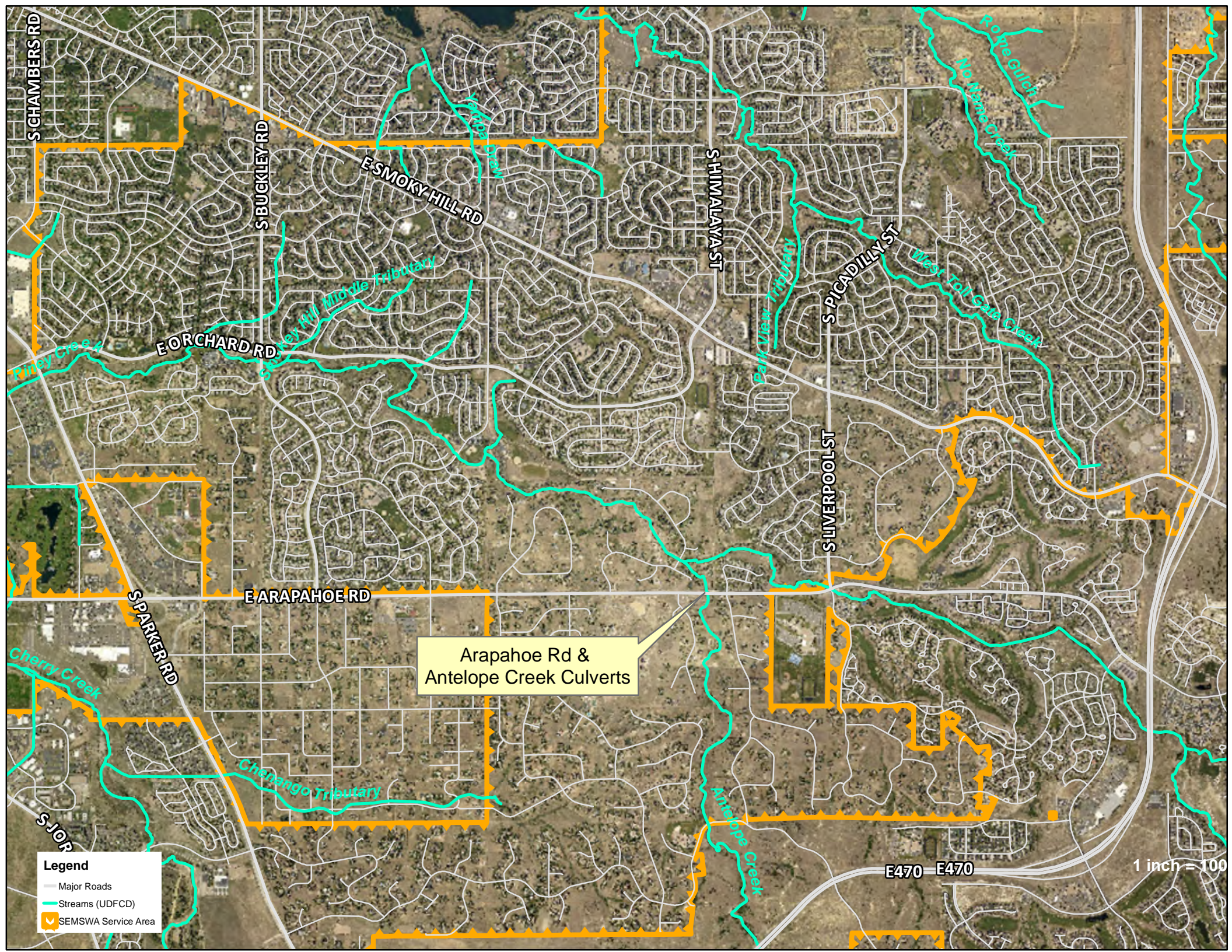
Secretary

Chairperson

APPROVED AS TO FORM:

Attorney for
Southeast Metro Stormwater Authority

By _____
Edward J. Krisor



S CHAMBERS RD

S BUCKLEY RD

E SMOKY HILL RD

SHIMALAYA ST

SILVERPOOL ST

S PICADILLY ST

E ORCHARD RD

E ARAPAHOE RD

S PARKER RD

S JORDAN RD

E470 E470

Arapahoe Rd &
Antelope Creek Culverts

Legend

- Major Roads
- Streams (UDFCD)
- SEMSWA Service Area

1 inch = 100'