

July 23, 2008 SEMSWA Board Meeting CIP Projects Update

Little Dry Creek At Arapahoe Road

Location: Arapahoe Road Crossing 2000 feet west of Quebec Street
Project: Construction of 100-year flow Arapahoe Road culverts. Includes a pedestrian underpass. UDFCD joint project.
Status: Negotiating ROW
SEMSWA Budget: \$1,000,000 Target bid date: Last quarter 2008 Target completion date: 6 months later

Currently negotiating easements with four HOAs. Have made offers to HOAs for required ROW. Landscaping plan being finalized. Design nearing 100%; IGA with UDFCD for construction signed; Construction funding inplace with UDFCD.

Southwood Village/Greenwood Manor Outfall

Location: Southwood Village neighborhood, northeast of Orchard Road and Broadway
Project: Construction - installation of 3885 feet of storm sewer in a 40-year old neighborhood. UDFCD joint project.
Status: Construction underway
SEMSWA Budget: \$768,000 Start date: 3/17/2008 Target completion date: 7/15/2008

Completion anticipated next week.

Cherry Crest West Phase 2

Location: University at Maplewood Avenue
Project: Design - increase stormwater conveyance through backyards of three homes
Status: Conceptual Design Memo finalized
SEMSWA Budget: \$50,000 Target start date: unknown Target completion date: unknown

The previous phase installed storm sewer and inlets to maximize the flows in the existing 5-year pipe system. This phase is to increase the capacity over the 5-year pipe capacity. There are several policy issues associated with this project that will be brought before the Project Review Committee.

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Dove Hill Drainage

Location: Progress Circle at Gun Club Road
Project: Design and construction of three culverts along East Tollgate Creek in the Dove Hill subdivision
Status: Final design underway
SEMSWA Budget: \$650,000 Target start date: 12/21/2007 Target completion date: 3/10/2009

This project is the design of two 100-year culverts along East Tollgate Creek and one 10-year culvert on a leftbank tributary. Final design is on schedule and 404 Permit application is to be submitted next week.

Piney Creek Bridge At Caley Drive

Location: Piney Creek Ranches neighborhood at Caley Drive north of Euclid Avenue
Project: Design of a bridge crossing to replace a low water crossing. UDFCD joint project.
Status: Final design underway
SEMSWA Budget: \$875,000 Target start date: Underway Target completion date: 10/31/2008

The IGA amendment and funding are in place with UDFCD through construction. Have met with residents to present the project and discuss ROW. ROW offers anticipated next week. This project is being coordinated with the Piney Creek Stabilization and Estancia Outfall Projects.

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Piney Creek Stabilization Tower to Liverpool

Location: Along Piney Creek between Tower Road and Liverpool Street
Project: Design of vertical and horizontal stabilization of Piney Creek. UDFCD joint project.
Status: Negotiating preliminary design scope and fee
SEMSWA Budget: \$50,000 Target start date: July 2008 Target completion date: December 2008

New topography is being developed. The new topography will be compared to previous topography to assess critical locations. Stabilization structures will be designed for the critical locations. To be done in conjunction with the Caley Drive bridge.

Orchard Valley Overflow

Location: Prairie Creek Subdivision, between 6053 and 6063 South Eagle Street
Project: Construct overflow swale from street to detention pond behind homes.
Status: Construction underway
SEMSWA Budget: \$100,000 Target start date: 7/14/2008 Target completion date: 8/22/2008

SEMSWA Maintenance Staff are performing the demolition and grading. Following grading, the landscape architect will install landscaping.

South Suburban Ice Arena

Location: East of the Ice Arena on Vine Street
Project: Overflow structure to Big Dry Creek.
Status: No change
SEMSWA Budget: \$30,000

SEMSWA will partner with South Suburban to fund project. SSPR will construct project. Awaiting invoice from SSPR

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Dove Creek Pond D - 1

Location: South of Broncos Parkway and west of Fairplay Street
Project: Design of a regional stormwater detention pond on Dove Creek
Status: Final design in for review
SEMSWA Budget: \$100,000 Target start date: 12/11/2007 Target completion date: 4/9/2008

This is a regional storm water pond. This pond is required to allow future development in the basin. Final design in for review. The 404 Permit has been received.

Windmill Creek Pond W - 4

Location: Southwest of Broncos Parkway and Chambers Road
Project: Design and construction of a regional stormwater detention pond on Windmill Creek
Status: Final design in for review
SEMSWA Budget: \$760,000 Target start date: 12/11/2007 Target completion date: March 2009

This is a regional storm water pond. This pond is required to eliminate the current storage deficit and allow future development in the basin. Wright Water Engineers (WWE) are preparing a 404 Permit. The adjacent airport property will take all export material. SEMSWA has MOUs with Arapahoe County, ACWWA, and an IGA with ACPAA for construction. Received Arapahoe County portion (\$400,000).

Cottonwood Creek, Easter to Briarwood

Location: West of Lima Street, between Easter and Briarwood Avenues
Project: Design of vertical and horizontal stabilization of Cottonwood Creek.
Status: Design approximately 90% complete; 404 Permit approved
SEMSWA Budget: \$32,000 Target start date: 5/15/2008 Target completion date: 8/13/2008

This project is the restoration of the channel, and is a regional facility. The 404 Permit has been issued, and will be valid for 2 years. Construction is estimated at \$1.75M. Final design underway. Property owner proceeding with adjacent project.

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Greenwood Gulch

Location: East of Monico Way and south of Orchard Road
Project: Construction of 2300 feet of channel work with 6 drop structures
Status: Construction complete; spring vegetation installed.
UDFCD Maintenance funded (\$300,000); 2300 feet of channel work with 6 drop structures; 100% complete
SEMSWA Budget: \$0 Target start date: Underway Target completion date: Completed

UDFCD Maintenance funded (\$300,000)

Little's Creek

Location: Along Clarkson Street, from just south of Dry Creek Road to Geddes Avenue
Project: Study of existing system to optimize flood storage in existing ponds
Status: Under study
SEMSWA Budget: \$22,000 Target start date: 6/15/2008 Target completion date: 8/29/2008

This project has 4 phases to it currently. We are approximately 50% into Phase 1, which is the study of the existing storm sewer system. Phase 2 will be the modification of the system to allow for optimization of 2 ponds. Phase 3 will involve design and construction of a stormwater detention pond upstream of the Highline Canal. Phase 4 will be the Highline Canal crossing. We anticipate Phase 2 and Phase 3 in 2008, with UDFCD participation in Phase 3.

Arapahoe Plaza Storm Sewer

Location: South of Arapahoe Road between Spruce and Uinta Streets
Project: Construction - replacement of corroded metal storm sewer pipe with concrete pipe
Status: Phases 2 and 3 construction completed in three weeks
SEMSWA Budget: \$310,000 Target start date: 4/7/2008 Target completion date: 6/21/2008

This project has three phases. The first phase was constructed approximately two years ago. The second and third phases include, 450 and 360 LF 54-inch RCP, respectively. Construction 95% complete. Revegetation and punch list remain.

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Greenfield Channel

Location: West of Liverpool Street and north of Fair Avenue
Project: Design and construction of a channel in a "swampy" greenbelt
Status: Design underway
SEMSWA Budget: \$30,000 Target start date: Underway Target completion date: September 2009

This project consists of SEMSWA design and construction.

Forest Park Stabilization

Location: Tributary B of Big Dry Creek. East of University Boulevard between Jamison Avenue and Dry Creek Road
Project: Design and construction of vertical and horizontal stabilization of creek.
Status: Design underway
SEMSWA Budget: \$225,000 Target start date: Underway Target completion date: December 2009

Construction anticipated to be performed by SEMSWA maintenance staff.

Cherry Crest East Storm Sewer

Location: Along Orchard Road and Steele Street
Project: Storm sewer design
Status: Negotiating the scope and fee with the selected consultant for design (Ayres Associates).
SEMSWA Budget: \$187,000 Target start date: Unknown Target completion date: Unknown

This a storm sewer project in an older neighborhood, southeast of Orchard Road and University Boulevard. We are negotiating with the selected consultant.

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Big Dry Creek at Arapahoe Road and University Boulevard Bridges

Location: Arapahoe Road and University Boulevard bridges at Big Dry Creek
Project: Preliminary design of bridges
Status: Proposals reviewed
SEMSWA Budget: \$125,000 Target start date: Unknown Target completion date: Unknown

This project will result in a preliminary design and cost estimates for the two bridges. The funding for this project is before the Board today.

Little Dry Creek Reach 6

Location: Little Dry Creek between Colorado Boulevard and Orchard Road (extended)
Project: Design of vertical and horizontal stabilization of creek.
Status: Proposals reviewed
SEMSWA Budget: \$83,000 Target start date: Unknown Target completion date: Unknown

Seventeen proposals received.

Estancia Outfall

Location: Arapahoe Road to Caley Drive west of Himalaya
Project: Design and construction of a storm sewer system
Status: City/County project
SEMSWA Budget: \$247,200 Target start date: Unknown Target completion date: Unknown

This is a regional outfall project that is part of the Arapahoe Road widening between Waco and Himalaya Street. This is a City/County project that SEMSWA is coordinating with the Piney Creek bridge at Caley Drive. SEMSWA has budgeted construction funding.

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Easter/Verbena

Location: East of Verbena Street at and south of Easter Avenue
Project: Design and construction of additional inlets on existing storm sewer system
Status: Inhouse review of options
SEMSWA Budget: \$25,000 Target start date: Underway Target completion date: 8/15/2008

This project is the installation of inlets along an existing storm sewer to optimize the system. Easement submitted to HOA for adding an inlet on HOA property. SEMSWA crews will install the additional inlets.

Panama Drive Drainage Problem

Location: Northeast of Broadway and Panama Drive
Project: Preliminary design of storm sewer to solve existing flood problem
Status: Preparing RFP for consultant services.
SEMSWA Budget: \$25,000 Target start date: August 2008 Target completion date: October 2008

SEMSWA staff are researching utility information and performing topographic survey.

Heritage Place Storm Sewer

Location: Southeast of Euclid Place along South Heritage Place West
Project: Design of storm sewer to solve existing flood problem
Status: Preparing RFP for consultant services.
SEMSWA Budget: \$30,000 Target start date: August 2008 Target completion date: October 2008

SEMSWA staff are researching utility information and performing topographic survey.

Spring Creek at Otero Avenue and Newport Street

Location: Northeast of Otero Avenue and Newport Street
Project: Design of hazard mitigation and stream stabilization at a 25 foot vertical creek bank
Status: Negotiating design scope and fee
SEMSWA Budget: \$38,000 Target start date: August 2008 Target completion date: October 2008