

November 19, 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: Relocating utilities
SEMSWA Budget: \$1,000,000 Target bid date: Last quarter 2008 Target completion date: 6 months later

All ROW acquired. Design at 100%; IGA with UDFCD for construction signed; Construction funding inplace with UDFCD. Utility relocations underway.

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 in for review.
SEMSWA Budget: \$650,000 Target start date: 12/21/2007 Target completion date: 6/18/2008

Final design is being reviewed and 404 Permit received. Negotiating easements with property owners.

November 19, 2008 SEMSWA Board Meeting

CIP Projects Update

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

Have met with residents to present the project and discuss ROW. ROW offers have been sent. Latest Engineer's Estimate indicates funding shortfall of approximately \$700,000. This project is being coordinated with the Piney Creek Stabilization and Outfall C Projects. Coordination with other projects has delayed progress.

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: Final design underway
SEMSWA Budget: \$50,000 Target start date: July 2008 Target completion date: December 2008

Floodplain spill identified immediately east of Caley Drive. Spill mitigation and stabilization structures are being 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 complete
SEMSWA Budget: \$100,000 Target start date: 7/14/2008 Target completion date: 8/22/2008

Project complete except for special order fencing.

November 19, 2008 SEMSWA Board Meeting CIP Projects Update

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

Project has been bid and plan to award this month, pending approval of resolution.

November 19, 2008 SEMSWA Board Meeting CIP Projects Update

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: Final design in for review; 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 under review. Property owner proceeding with adjacent project.

Little 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: Project complete
SEMSWA Budget: \$22,000 Target start date: 6/15/2008 Target completion date: 8/29/2008

Phase 1 of project complete.

November 19, 2008 SEMSWA Board Meeting CIP Projects Update

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 2008

This project consists of SEMSWA design and construction. Waiting on HOA approval.

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.

Cherrywood Circle 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: \$170,000 Target start date: 11/20/2008 Target completion date: 4/20/2009

This a storm sewer project in an older neighborhood, southwest of Orchard Road and University Boulevard.

November 19, 2008 SEMSWA Board Meeting CIP Projects Update

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: Preliminary design underway
SEMSWA Budget: \$125,000 Target start date: 7/31/2008 Target completion date: 12/28/2008

This project will result in a preliminary design and cost estimates for the two bridges.

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: Contract signed
SEMSWA Budget: \$128,845 Target start date: 11/20/2008 Target completion date: 4/20/2009

Outfall C (From Estancia Development)

Location: Arapahoe Road to Caley Drive west of Himalaya
Project: Design and construction of a storm sewer system
Status: SEMSWA/County project
SEMSWA Budget: \$247,200 Target start date: Spring 2009 Target completion date: 6 Months After Start

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

November 19, 2008 SEMSWA Board Meeting CIP Projects Update

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: First phase inlets installed. Awaiting HOA on second phase.
SEMSWA Budget: \$25,000 Target start date: Underway Target completion date: 11/15/2008

This project is the installation of inlets along an existing storm sewer to optimize the system. 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: Preliminary design underway
SEMSWA Budget: \$25,000 Target start date: 9/22/2008 Target completion date: 12/6/2008

The project is alternative evaluation to solve the existing problem and prepare cost estimates.

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: Design underway
SEMSWA Budget: \$30,000 Target start date: 9/9/2008 Target completion date: 11/23/2008

The project is the design of approximately 400 feet of storm sewer to alleviate an existing flooding problem.

November 19, 2008 SEMSWA Board Meeting CIP Projects Update

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: Design underway
SEMSWA Budget: \$38,000 Target start date: 7/23/2008 Target completion date: 10/6/2008

The project is the design of approximately 200 feet of channel improvements.

Willow Creek Rosemary Tributary

Location: Southeast of Dry Creek Road and Quebec Street
Project: Construction of stream stabilization
Status: Project complete
SEMSWA Budget: \$40,000 Target start date: 8/23/2008 Target completion date: 9/22/2008

Project constructed by SEMSWA Maintenance crew.

Willow Creek Tennis Court Tributary

Location: Southeast of Mineral Drive and Long Avenue
Project: Construction of stream stabilization
Status: Project started this week
SEMSWA Budget: \$25,000 Target start date: 11/17/2008 Target completion date: 12/17/2008

Project to be constructed by SEMSWA Maintenance crew.