

## **September 24, 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

ROW acquired on south side of Arapahoe Road. The court date of October 16th is set for eminent domain proceeding for the north side of Arapahoe Road. Have made offer to north side HOA for required ROW. Design at 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: Project complete.  
SEMSWA Budget: \$768,000 Start date: 3/17/2008 Target completion date: 7/15/2008

### **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

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 received. Negotiating easements with property owners.

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### **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.

### **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

Project reach was walked with sponsors, consultant and residents. 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

SEMSWA Maintenance Staff performed the demolition and grading. Following grading, the landscape architect installed landscaping. Project approximately \$46,000 under budget.

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### **South Suburban Ice Arena**

Location: East of the Ice Arena on Vine Street  
Project: Overflow structure to Big Dry Creek.  
Status: Postponed until 2009.  
SEMSWA Budget: \$30,000

### **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. We have the 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). Scheduled for bid advertisement within a month, construction award late Fall 2008.

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### **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'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: Final design in for review  
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 reviewing Phase 1 report, 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: Project complete.  
SEMSWA Budget: \$310,000 Target start date: 4/7/2008 Target completion date: 6/21/2008

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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 2008

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 would like to postpone this project to future years, and use the selected consultant on the Cherrywood Circle project. \*Resolution to be considered today.

## **September 24, 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: Proposals reviewed  
SEMSWA Budget: \$83,000 Target start date: Unknown\* Target completion date: Unknown\*

Seventeen proposals received and a consultant selected. \*Resolution for funding to be considered today.

### **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.

\*Arapahoe County is designing the project.

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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: 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.

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### **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.