

## **January 28, 2009 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: \$1,200,000 Target bid date: 2/18/2009 Target completion date: Summer 2009

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: Underway Target completion date: Summer 2009

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

## **January 28, 2009 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: Fall 2009

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: Underway Target completion date: Fall 2009

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.

## **January 28, 2009 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: Underway Target completion date: Summer 2009

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. Construction funding in resolution before Board today.

### **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: Construction underway  
SEMSWA Budget: \$760,000 Target start date: Underway Target completion date: March 2009

Construction underway and on schedule.

### **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: Underway Target completion date: Fall 2009

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.

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### **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: Spring 2009

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: Final design in for review; 404 Permit submitted  
SEMSWA Budget: \$225,000 Target start date: Underway Target completion date: Summer 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: Design underway  
SEMSWA Budget: \$170,000 Target start date: Underway Target completion date: Spring 2009

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



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### **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: Underway Target completion date: February 2009

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: Preliminary design underway  
SEMSWA Budget: \$128,845 Target start date: Underway Target completion date: 4/1/2009

#### **Outfall C (From Estancia Development)**

Location: Arapahoe Road to Caley Drive west of Himalaya  
Project: Design and construction of a storm sewer system; SEMSWA/County project  
Status: ROW negotiations underway  
SEMSWA Budget: \$247,200 Target start date: Underway Target completion date: Fall 2009

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.

## **January 28, 2009 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: Spring 2009

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: Underway Target completion date: February 2009

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: Final design in for review  
SEMSWA Budget: \$30,000 Target start date: Underway Target completion date: February 2009

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

## **January 28, 2009 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: Underway Target completion date: Summer 2009

The project is the design of approximately 200 feet of channel improvements. Resolution for additional funding before the Board today.

### **Windmill Creek Pond W - 5**

Location: East of Broncos Parkway and Chambers Road  
Project: Design and construction of a regional stormwater detention and water quality pond on Windmill Creek  
Status: Design underway  
SEMSWA Budget: \$60,000 Target start date: Underway Target completion date: Spring 2009



Southwood Village/Greenwood Manor  
Construction: Summer 2008  
\$885,000

Panama Dr. Storm Sewer Outfall  
Design: Summer 2008  
\$30,000

Arapahoe Plaza Storm Sewer  
Construction: Summer 2008  
\$310,000

Orchard Valley  
Construction: Summer 2008  
\$100,000

Heritage Place Lateral 1  
Design: Summer 2008  
\$30,000

Little Dry Creek Reach 6  
Final Design: Fall 2008  
\$128,845

Cherrywood Circle  
Storm Sewer  
Final Design: Fall 2008  
\$170,000

Easter/Verbena  
Construction: Summer 2008  
\$25,000

Piney Creek Tower to Liverpool  
Design: Fall 2008  
\$100,000

Dove Hill  
Construction: Fall 2008  
\$650,000

Greenfield Filing No. 2 Channel  
Construction: Fall 2008  
\$30,000

Piney Creek Bridge at Caley  
Construction: Fall 2008  
\$1,525,000

Big Dry Creek at  
Arapahoe & University  
Design: Summer 2008  
\$125,000

Upper Littles Creek Study  
Design: Summer 2008  
\$22,000

Forest Park Stabilization  
Design: Summer 2008  
\$44,000

Little Dry Creek at Araphahoe Rd.  
Construction: Winter 2008-2009  
\$2,116,000

Spring Creek @ Otero/Newport  
Design: Summer 2008  
\$38,000

Willow Creek Trib 2  
\$25,000

Willow Creek Trib 1  
\$40,000

Lake Point  
Estates Pond

Goldsmith Gulch

Storm Sewer Outfall





Pond W-5  
Phase1 Construction  
\$170,000

Dove Creek Pond D-1  
Phase 1 Construction  
\$400,000

Cottonwood Creek  
Construction  
\$1,750,000

Windmill Creek Pond W-4  
Construction: Fall 2008  
\$1,460,000

## SEMSWA CIP PROJECTS 2008

Not Started	
Preliminary Design	
Final Design	
Construction	
Completed	