

## **March 25, 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 Construction start: May 2009 Target completion date: Fall 2009

All ROW and permits acquired. Utility relocations/coordination 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 bid date: May 2009 Target completion date: Summer 2009

Final design is being reviewed and 404 Permit received. Easements acquired.

### **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 construction date: Fall 2009

Have all easements except two (one property owner). This project is being coordinated with the Piney Creek Stabilization and Outfall C Projects.

## **March 25, 2009 SEMSWA Board Meeting CIP Projects Update**

### **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

Stabilization of Piney Creek from approximately 400 feet west (downstream) of Caley Drive to approximately 100 feet east of Caley Drive to be done in conjunction with the Caley Drive Bridge project.

### **Dove Creek Pond D - 1**

Location: South of Broncos Parkway and west of Fairplay Street  
Project: Design and construction of a regional stormwater detention pond on Dove Creek  
Status: Final design in for review  
SEMSWA Budget: \$600,000 Target start date: Underway Target bid date: Summer 2009

This is a regional storm water pond. This pond is required to allow future development in the basin. Design is being modified to include water quality. 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: Construction underway  
SEMSWA Budget: \$760,000 Target start date: Underway Target completion date: April 2009

Construction underway and on schedule.

## **March 25, 2009 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: 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.

### **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: Spring 2009 Target completion date: Summer 2009

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

### **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 construction date: Summer 2009

Construction anticipated to be performed by SEMSWA maintenance staff. Section 404 Permit applied for. Design under review.

## **March 25, 2009 SEMSWA Board Meeting CIP Projects Update**

### **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.

### **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 complete

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. Waiting on final report.

### **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: June 2009



## **March 25, 2009 SEMSWA Board Meeting**

### **CIP Projects Update**

#### **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.

#### **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.

## **March 25, 2009 SEMSWA Board Meeting**

### **CIP Projects Update**

#### **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 complete  
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.

#### **Spring Creek at Otero Avenue and Newport Street**

Location: Northeast of Otero Avenue and Newport Street  
Project: Design and construction of hazard mitigation and stream stabilization at a 25 foot vertical creek bank  
Status: Design underway  
SEMSWA Budget: \$418,000 Target start date: Underway Target completion date: Summer 2009

The project is the design of approximately 200 feet of channel improvements. Section 404 Permit and design under review.

## **March 25, 2009 SEMSWA Board Meeting CIP Projects Update**

### **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

Final design underway.

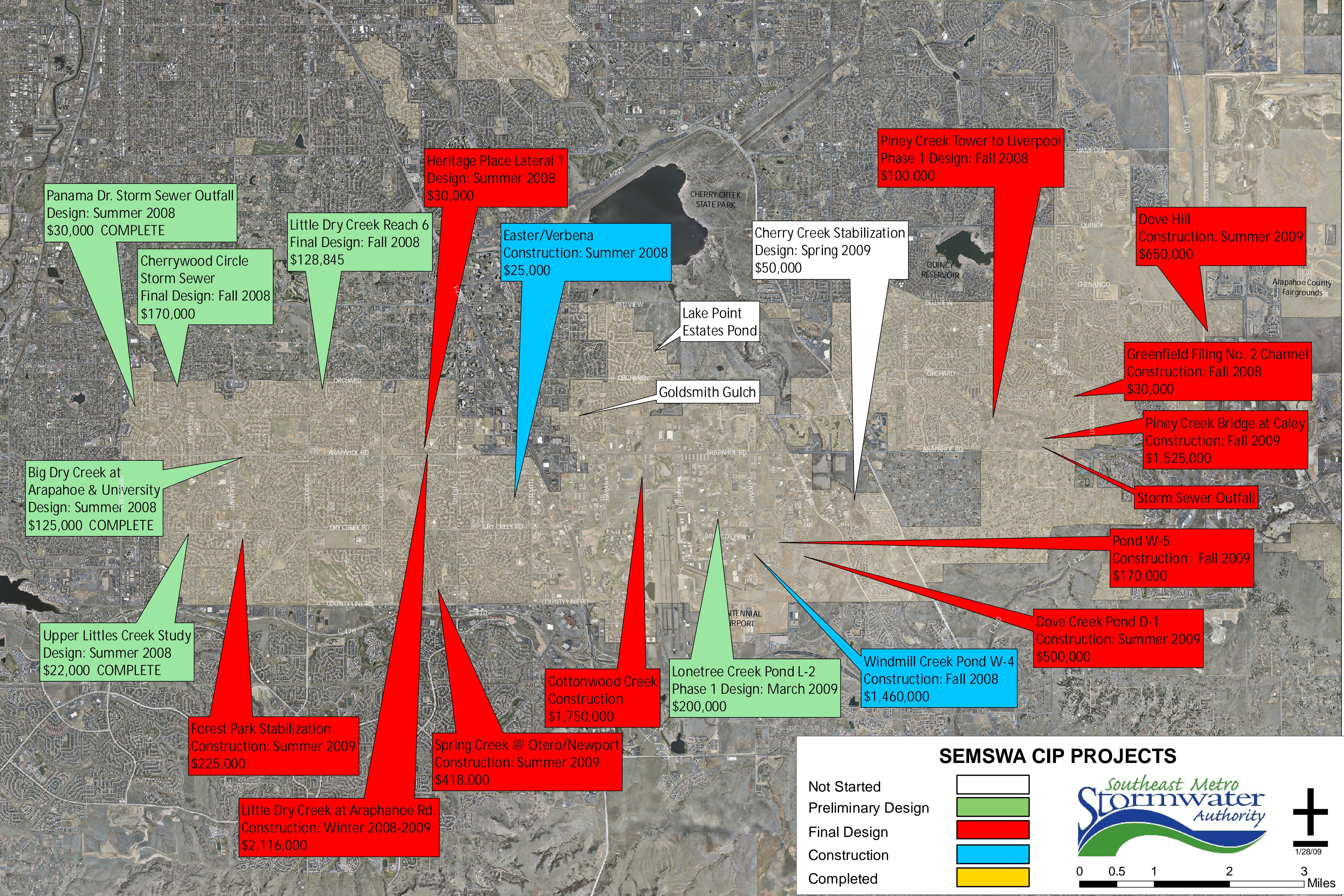
### **Cherry Creek Stabilization at the Ecological Park**

Location: Cherry Creek North of Broncos Parkway  
Project: Design of vertical and horizontal stabilization of creek. UDFCD joint project.  
Status: Preparing IGA with the Urban Drainage and Flood Control District  
SEMSWA Budget: \$50,000 Target start date: April 2009 Target completion date: Fall 2009

### **Lonetree Creek Pond L - 2**

Location: Intersection of Revere Parkway and Tucson Way  
Project: Design and construction of Phase 1 of the regional stormwater pond.  
Status: Design under review  
SEMSWA Budget: \$250,000 Target start date: April 2009 Target completion date: Summer 2009





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

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

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

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

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

Cherry Creek Stabilization  
Design: Spring 2009  
\$50,000

Piney Creek Tower to Liverpool  
Phase 1 Design: Fall 2008  
\$100,000

Dove Hill  
Construction: Summer 2009  
\$650,000

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

Piney Creek Bridge at Caley  
Construction: Fall 2009  
\$1,525,000

Storm Sewer Outfall

Pond W-5  
Construction: Fall 2009  
\$170,000

Dove Creek Pond D-1  
Construction: Summer 2009  
\$500,000

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

Lonetree Creek Pond L-2  
Phase 1 Design: March 2009  
\$200,000

Cottonwood Creek  
Construction  
\$1,750,000

Spring Creek @ Otero/Newport  
Construction: Summer 2009  
\$418,000

Forest Park Stabilization  
Construction: Summer 2009  
\$225,000

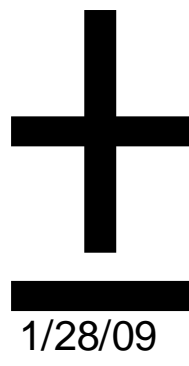
Little Dry Creek at Arapahoe Rd.  
Construction: Winter 2008-2009  
\$2,116,000

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

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

SEMSWA CIP PROJECTS

- Not Started
- Preliminary Design
- Final Design
- Construction
- Completed



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