



PINEY CREEK MAJOR DRAINAGEWAY PLAN

Progress Meeting Minutes

November 2, 2010

Attendees:

- Shea Thomas, UDFCD
- Monica Bortolini, SEMSWA
- Bill McCormick, City of Aurora
- Hoanh Tran, City of Aurora
- Clint Weisz, City of Aurora Water Department
- Vern Adam, City of Aurora Water Department
- Curtis Bish, Aurora Parks, Recreation and Open Space Department
- Lori Tagawa, Aurora Parks, Recreation and Open Space Department, Aurora Water
- Brad Robenstein, Douglas County
- Stacey Thompson, Arapahoe County
- Doug Rockne, Arapahoe Parks and Recreation District
- Bill Ruzzo, Cherry Creek Basin Water Quality Authority
- Alan Leak, WRC Engineering, Inc.
- Nate Torrey, WRC Engineering, Inc.

A sign-in sheet and meeting agenda were distributed to attendees prior to the start of the meeting.

Field Investigation

A PowerPoint presentation was presented summarizing the field investigation. A majority of the field investigation took place in mid-August and was completed in mid-September. The investigation was aimed at documenting the existing conditions of Piney Creek including problem areas, implemented improvements, reach definitions, vegetation, etc.

All photographs from the field investigation will be made available for download as a .kmz file on the project website, www.piney-creek.com

Study Reaches

Piney Creek has been divided into 13 study reaches, based on similar channel characteristics and problem areas. During the PowerPoint presentation, each reach was discussed detailing channel characteristics and observed problems.

Reach 1

The reach is publicly owned by the City of Centennial, areas of channel degradation, bank erosion.

Homeowners along Reach 1 believe there have been feet of sediment deposition through this reach. The development to the north of the creek is Prairie Creek. WRC will compare current channel invert to FIS invert to determine if a difference can be seen.

CONSULTING ENGINEERS

Reach 2

Failed grade control structure located just downstream of Parker Road.

Drop structure currently being designed by SEMSWA in the vicinity of Parker Road Bridge. The preliminary design has the drop structure located just downstream of bridge, but given bridge capacity concerns, the location of the drop structure may be revised to be located upstream of the bridge.

It is believed erosion at a trail crossing just upstream of Parker Road was caused by the failed grade control structure downstream of Parker Road.

Arapahoe County Parks and Recreation District has plans to replace the existing trail crossing just upstream of Parker Road. Existing crossing will be abandoned.

Reach 3

Owned by Arapahoe Parks and Recreation District (APRD), they have three horse crossings planned for this reach. They have been reviewed and approved by SEMSWA. Sand is too soft for the horses.

APRD states that the reach appears to be stable

Reach 4

Owned by APRD, they state that the reach appears to be stable

The creek channel bends are a problem, too close to residential development, Orchard Road

History of basement flooding

Reach 5

The reach is publicly owned by the Goodman Metro District. The reach experiences heavy sediment deposition, also on trails. Metro District installed temporary fix for the trail due to sediment deposition.

Two grade control structures constructed with the Tower Road Bridge have been filled in, buried, by sediment. History of basement flooding

Reach 6

The reach is privately owned, Piney Creek Ranches. The reach experiences extensive channel degradation, erosion.

Three drop structures were recently designed for SEMSWA. They're ready for bid, located downstream of Caley Drive, in Piney Creek Ranches development.

It appears that erosion in Reaches 6 and 7 is deposited in Reaches 4 and 5

Reach 7

The reach is publicly owned by the Liverpool Metro District. The reach experiences similar problems to Reach 6, extensive channel degradation, erosion.

Exposed ECCV water line being fixed

Reach 8

Owned by the City of Aurora, location of Saddle Rock Golf Course

Multiple grade control structures through golf course

Sediment deposition issues through the golf course, more prevalent upstream of Liverpool Street

Water table is high through this reach, cattails present.

Reach 9

Owned by the City of Aurora, no proposed improvements by Aurora

Sediment deposition at trail crossing

Reach 10

Owned by the City of Aurora

Dense, high grasses through the reach, very little base flow

Three existing drop structures, kept high to create backfill over time?

Ponding of water on upstream/downstream of each drop structure. Are the cutoff walls cutting off the ground water allowing it to pond?

Reach 11

The reach is located within Douglas County, privately owned, a portion of which is Rockinghorse.

Cottonwood trees present in the reach

Horse barns located in the 100-year floodplain

Reach 12

The entire reach is within Douglas County, private property, no easements. No baseflow present at time of field investigation.

Channel has a wide, historic, floodplain, localized steep channel banks.

Reach 13

The entire reach is within Douglas County, private property, no easements. No baseflow present at time of field investigation. There is a failed wingwall at Piney Lake Road. Channel has a wide, historic, floodplain, localized steep channel banks.

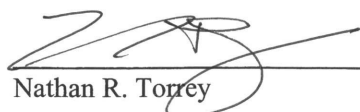
Other

CCBWQA - There is a planned sedimentation basin at the confluence of Piney Creek and Cherry Creek

APRD – Areas of exposed loose riprap, prefer to have soil/buried/vegetated riprap, easier to maintain

Meeting was adjourned at 11:30 A.M.

Minutes Developed By:


Nathan R. Torrey