



PINEY CREEK MAJOR DRAINAGEWAY PLANNING & FHAD

Kickoff Meeting Minutes

April 20, 2010

Attendees:

- Shea Thomas, UDFCD
- Monica Bortolini, SEMSWA
- Bill McCormick, City of Aurora
- Clinton Weisz, City of Aurora
- Curtis Bish, Aurora Parks, Recreation and Open Space Department
- Lori Tagawa, Aurora Parks, Recreation and Open Space & Water Department
- Brad Robenstein, Douglas County
- Stacey Thompson, Arapahoe County
- Alan Leak, WRC Engineering, Inc.
- Robert Moore, WRC Engineering, Inc.
- Jessie Nolle, 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.

Introductions:

Shea Thomas (UDFCD) opened the Kickoff Meeting for the Piney Creek Major Drainageway Planning and FHAD project at 1:30 pm on April 20, 2010 at the Urban Drainage and Flood Control District office. Participants introduced themselves and their respected organization. Following introductions, Shea turned the meeting facilitation over to WRC.

Issues:

Alan Leak thanked the sponsors for the opportunity to work on the Piney Creek Major Drainageway Planning & FHAD Project. To begin the meeting, Alan suggested that each sponsor briefly discuss any issues they have about the project.

SEMSWA: Monica discussed the following issues:

- A new bridge and stream stabilization and stormwater outfall project is being constructed within the Piney Creek Ranches neighborhood.
- A drop structure upstream of the bridge and two drop structures downstream of the bridge are under construction. ACLOMR was not completed, since analysis didn't show any rise. The FHAD will need to incorporate these new structures.
- No floodplain tie-in information (upstream or downstream) was available when performing the hydraulic modeling for the bridge and drop structures.
- During analysis, SEMSWA found a spill (low spot) upstream of the bridge. Analysis shows water overtopping this portion of the model resulting in 15 additional properties being included into the FEMA regulated floodplain. Residents are aware that they may be now in a floodplain. Monica would like to see these properties removed from the floodplain in the FHAD. Money to fill this low spot is available this year.

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- There is a levee like structure at Greenfield.
- For the Piney Creek Ranches area, no easements exist for these properties. Improvements to resident's property sometimes encroach into Piney Creek. SEMSWA is educating residents on the importance of keeping improvements away from the creek. Monica has distributed a letter to property owners, which reinforces the need to be out of the creek floodplain. Monica will forward a copy to WRC.
- Monica recommends starting analysis with information in the DFIRM. The DFIRM contains a lot of information. Analysis can build on this information.
- Monica mentioned the aggradation problem that occurs near the Farm development.
- Equestrian interests at crossings and trails are an important feature in many places along Piney Creek, primarily located in the City of Centennial and unincorporated Arapahoe County. Equestrian considerations will need to be addressed in the proposed improvements. However, Aurora does not allow horses on trails.
- There are 3 small ponds at Parker Road. These also serve as water quality ponds.
- There is a failed drop structure downstream of Parker Road.
- There are problems along the downstream portion of Piney Creek, near the confluence with Cherry Creek. Drainageways through private property. Need to acquire easements at these locations.
- Monica has information pertaining to CLOMRs and LOMRs along Piney Creek. A CLOMR was issued for a reach along Piney Creek within the Farm subdivision, upstream of Buckley Road; however a LOMR was never issued. The CLOMR included a pedestrian crossing and drop structures.

Douglas Cty: Brad discussed the following issues:

- Desires Zone A Floodplains to be addressed (establish elevations and revised mapping).

Arapahoe Cty: No issues to add.

Aurora: Clint and Bill echoed the issues already discussed.

Summarize the discussion for each existing issue, state the outcome, and assign any action item.

Project Information:

UDFCD: Shea provided WRC with Aerial Photography (2009) of the project corridor. The information was given to WRC on a portable drive. WRC will return to UDFCD following transfer of information to WRC's server. Structure (bridge, culverts, etc.) survey data was also provided by Shea. Structure data does not include information for the existing drop structures. Jessie Nolle indicated that WRC may require this information to model sediment transport at lower flows. Shea will check with the DCM Section to see if they have drop structure information. Also, WRC requested money for obtaining soil information for the sediment transport analysis of Piney Creek. Shea will discuss this with the District and let WRC know how the District will proceed with this request.

SEMSWA: Monica will provide LIDAR (2-foot contour mapping) of project corridor, existing percent impervious shape files, future impervious shape files, impervious area files, ROW parcels DFIRM Information. Monica will have Andy Kuster compile this information and put it on a CD for WRC. Monica will also provide all Piney Creek CLOMR information to WRC.

Aurora: Bill McCormick received new information (updates) from FEMA. He will review the information and forward relevant information to WRC. Drainage reports can be accessed on the Aurora web site.

Douglas Co: Brad Robenstein will provide WRC with GIS Data without charge. Brad requested that a formal request for data release be submitted to the Douglas County GIS Department. Shea will initiate process.

In addition, WRC requested shape files of floodplain and stormwater information. Overlapping information from SEMSWA and Aurora will be reviewed and compared by WRC. For Douglas County and Aurora, WRC will have to determine future impervious information. This information is not available in shape file information.

Hydrology:

WRC will use existing information/models as a starting point. WRC will bring 2003 model up to Version 1.3.3. WRC will perform a straight conversion. If calibrated flows are higher, WRC will calibrate to older (2003) flows. WRC will evaluate flows used for CLOMR's and LOMR's (Liverpool, Arapahoe Road, Tower Road, etc.). WRC will utilize GIS to develop basins. Therefore, WRC would like to obtain all available GIS information for the watershed.

Detention:

Alan requested guidance for analyzing detention. The study will require what detention facilities can be considered. Sponsors indicated that typically, only detention that is publicly owned and maintained is considered as feasible detention. As an Action Item for the next meeting, WRC is to provide a watershed drawing that shows detention sites.

Project Schedule:

A draft project schedule was reviewed. The public meetings were changed to follow the Phase A Report Review Period and the Phase B Review Period. The District will send out post cards to area residents promoting the event. An updated project schedule will be brought to each project meeting.

Public Concerns:

Addressed if the sponsors knew of locations along the watershed WRC field personnel should avoid due to public trespassing issues. The sponsors were not aware of any public concerns.

Invoicing:

Invoicing for the project shall be sent to Shea Thomas. Invoicing should show the percent complete for each task.

Insurance:

Shea requested that WRC provide the District with insurance certification, as defined in the contract. Robert will coordinate with WRC Office Administrator.

Additional Contacts:

Stacey Thompson will provide additional contact information for Arapahoe Park and Recreation District - Lynn Cornell and Doug Rockne. Stacey will send this information to WRC.

Web Site:

Shea said the project web-site can be set-up through UDFCD or through WRC's web-site. WRC is updating their web-site and will develop the project web page when construction is complete.

Future Meetings:

The group decided to not convene for bi-weekly meetings, at least not initially. Rather, WRC will send out requests for meeting availability two to three weeks prior to the anticipated meeting. Depending on schedule conflicts, a meeting date and time will be scheduled. Preliminary indications are Tuesday and Thursdays are better days for scheduling meetings.

Adjournment:

Meeting was adjourned at 3:00 PM.

Minutes Developed By:

Robert C. Moore