

MEETING MINUTES

Lower Cottonwood Creek Outfall Systems Planning Study

Kickoff Meeting

MEC Project #: 07-068
Meeting Date: January 10, 2008
Meeting Location: UDFCD

Meeting Attendees:

Ken MacKenzie	UDFCD
Ben Urbonas	UDFCD
Shea Thomas	UDFCD
Monica Bortolini	SEMSWA
Bill Ruzzo	CCBWQA
Suzanne Moore	Greenwood Village
Ward Mahanke	Lone Tree
Ron Lambert	Mulhern MRE for Inverness WSD
Casey Henderson	Centennial
Melanie Chenard	Muller Engineering Co.
Jim Wulliman	Muller Engineering Co.

This was the project kickoff meeting. General information discussed included project objectives, study scope, progress to date, general alternative concepts, and project schedule. Specific topics included:

Hydrologic Modeling

- Detention in should not be included in the initial modeling unless it is existing, in a public easement, and publicly maintained. Facilities that are not publicly maintained and facilities that are planned, but not built, can be included in the alternatives evaluation models.
- Subcatchments should be limited to a maximum of 130 acres, and, due to concerns Ben expressed about the current CUHP model, should ideally not be less than 90 acres either. Current delineation may need to be revised.
- Ben Urbonas is working on fixes to the CUHP model. We are asked to wait until the model is complete before calibrating the model. Expected timeline is approximately 4 weeks.
- Model should be calibrated to within 10% of FEMA flow rates or 1991 OSP flow rates prior to revising imperviousness values or adding existing ponds.
- Muller has reviewed the 1991 hydrology and found a couple issues to correct in the updated hydrology. A 100-year distribution was used for all storm events in the 1991 plan instead of 2-year through 100-year distributions. Also, the Inverness detention pond was modeled with the incorrect storage-discharge curve in the 1991 plan (assumed stop logs were in place over two outer cells of triple box culvert). This will be modeled without the stop logs in the revised plan.

Information Needs

- Ward will provide information on the pond at Sky Ridge and what he's been able to gather on the Havana pond. Monica will also check with the County on the Havana pond.
- Ron will provide design drawings for the recent retrofit of the pond at the NE corner of Clinton & Dry Creek and the system overview document to accompany the CD-ROM of Inverness facilities provided by Monica at the meeting
- Monica/Ron will try to gather information on the Dam East/Dam West ponds on Tributary B
- Monica will meet with Jim and Melanie separately to provide any additional information on the study area
- Casey will look for information on Centennial storm sewers and will provide information on some upcoming developments
- Suzanne will provide plans for channel repair work at the exposed sanitary sewer upstream of Peoria St. and downstream of Caley as they are available
- Ken will provide an updated list of files/file formats to be provided to UDFCD at the conclusion of the study

The project website will be hosted by UDFCD. Muller should contact Derrick Schauer.

The next meeting will be held in about four weeks after some of the described information has been provided and more progress has been made.