

MEETING MINUTES

Lower Cottonwood Creek Outfall Systems Planning Study

Project Meeting #5

MEC Project #: 07-068
Meeting Date: July 27, 2009
Meeting Location: SEMSWA

Meeting Attendees:

Shea Thomas	UDFCD
Ken MacKenzie	UDFCD
Monica Bortolini	SEMSWA
Suzanne Moore	Greenwood Village
Brad Robenstein	Douglas County
Greg Weeks	City of Lone Tree
Louis Tovar	Mulhern MRE for Inverness WSD
Melanie Chenard	Muller Engineering Co.
Jim Wulliman	Muller Engineering Co.

The objective of this progress meeting was to review comments on the draft Alternatives Evaluation Report and prepare for the project's first public meeting, to be held Wednesday July 29 at 6:30 pm. Specific discussion topics are as follows:

Alternatives Evaluation Report Comments

- The draft report was issued in March. Comments were received from UDFCD, SEMSWA, and Douglas County. Copies of the comments were handed out to those in attendance. Most comments were minor and did not require discussion.
- Shea clarified that SWMM input and output files for the three alternatives need not be included in this report. SWMM files for the recommended alternative will be included in the Phase B Conceptual Design Report.
- There was some confusion over the Upper Skyridge Pond, as it is currently shown as a Planned facility for Alternative A and a Retrofitted facility for Alternatives B and C. Muller's understanding was that the pond has been planned as a WQCV facility; the Alternative A model reflects this and is based on the preliminary design information provided by the City of Lone Tree. Alternatives B and C reflect a modified configuration providing EURV. Rather than showing this as a retrofit, Muller will revise the figures for Alts B and C to show Upper Skyridge Pond as a planned EURV facility. No adjustments to the model will be made.
- Greg explained that RidgeGate intends to overdetain in the upper portion of the development (Upper and Lower Skyridge ponds) in order to minimize the size of the Lincoln Ponds, which are in the densest part of the development. Regardless

of where detention is provided, RidgeGate will need to meet the OSP flow rates at Lincoln Ave. (downstream limit of RidgeGate).

- The impervious data provided by SEMSWA was ultimately not used in the study. Muller will explain this in the comment responses but will not address in the report text.
- Monica will provide Muller with the SEMSWA boundary.
- Muller has been working with SEMSWA to evaluate the potential conversion of the Lincoln Executive Center wet pond to a dry facility under SEMSWA's authority. Muller has found that the pond could provide a regional benefit, and at SEMSWA's request will add this facility to the Phase A report.
- Muller will add the Blue Sky and Centennial Corner ponds, which are discussed in the report as Water Quality Additions, to the Alternative C figures. Improvements to these ponds are not reflected in the SWMM model.
- For the Phase B report, any over-detention currently shown for the Lincoln Ponds will be corrected so that the release rates are similar to historic peaks.
- As noted in the draft report, prioritization will be important to plan implementation to avoid negative impacts to flood capacity within the watershed. During the Conceptual Design process, Muller will define the priorities from an engineering standpoint and the sponsors will provide additional input on their priorities.

Public Meeting

- Ken or Shea will provide a brief introduction to the project, and will introduce the sponsors and Muller. Muller will then give a 20-minute formal presentation which will be followed by a question and answer session. Muller should prepare a sign-in sheet and comment form. If the presentation is done with power point, the file should be brought on a flash drive – the room is equipped with computer and projector. Greg suggested printing the watershed map on bond rather than glossy paper so that it can be marked on. Muller does not need to produce extra copies of the report at this time – UDFCD, SEMSWA, and Muller will all bring the copies they have on hand.

Other Topics

- Jim inquired if there is any chance of obtaining funding from Douglas County and/or Lone Tree for preliminary design of the facilities shown in Douglas County, to increase the likelihood that the regional detention facilities recommended in Douglas County will be implemented. Brad will consider this. Greg said that RidgeGate master planning is likely not far enough along to take

this step. Ken Leinhart at Merrick is working on the master plans – the Willow Creek plan has been updated, and the Cottonwood plan update is underway.

Next Steps

- Brad will provide Muller with Douglas County mapping
- Muller will provide Shea with additional information regarding questionable survey information at road crossings.
- Monica will provide Muller with updated GIS data – Muller will review prior to requesting additional information on storm sewer infrastructure.
- Louis will provide information on the Trib C crossing at Inverness Drive East
- Following the public meeting, Muller will revise the Phase A report and send to Shea and Monica in PDF format for final review. Shea will provide updated numbers of final reports/CDs to be generated – contract may list more than needed.