

PROGRESS MEETING MINUTES

DATE/TIME: OCTOBER 23, 2018 @ 3:00 P.M.

LOCATION: UDFCD OFFICE

PROJECT: CHERRY CREEK TRIBUTARIES MDP & FHAD

ATTENDEES:

Shea Thomas - UDFCD

Richard Borchardt – UDFCD

Stacey Thompson – SEMSWA

Angela Howard – SEMSWA (phone)

Roger Harvey – Arapahoe County

Craig Perl – City of Aurora (phone)

Jonathan Villines – City of Aurora (phone)

Allie Beikmann – J3 Engineering

Ken Cecil – J3 Engineering

PURPOSE

1. Review Action Item status.
2. Review project progress. See Discussion Item 1.
3. Review stakeholder input for sub-basin delineation. See Discussion Item 3.
4. Review schedule – First deliverable is Draft Baseline Hydrology. See Discussion Item 4.

DISCUSSION ITEMS

1. Ken provided an update regarding the status of action items identified at the project kickoff meeting, with most being complete. Incomplete items pertain to future phases and are not critical at this time. Dewberry | J3 will continue to track and request from assigned attendees at the appropriate time. The remaining items are:
 - a. UDFCD (Shea) to contact Cherry Creek Basin Water Quality Authority during the Alternatives Analysis phase to discuss water quality and potential participation.

- b. UDFCD (Shea and Rich) to research additional information that may be available for the pond at the Parker/Arapahoe Road Interchange; this may require contacting CDOT.
- c. J3 (Ken and Allie) will follow up with Cathleen regarding Item 13.d (Detention Pond @ King's Point)
- d. UDFCD (Rich) will contact Cherry Creek Basin Water Quality Authority to better identify the scope of work for their Watershed Master Plan. Rich noted that he will contact Jim Swanson and Chuck Reid to discuss funding opportunities. It was further clarified that the project scope of work will not change based on potential overlap with the Cherry Creek Water Quality Authority. However, a comparison to benefit both studies is the goal.

2. An update of project progress was provided. The project team has been working with UDFCD behind the scenes to increase the project scope of work to include four additional tributaries as requested at the kickoff meeting. This includes critically evaluating the Grove Ranch basin, the Arapahoe Road basin, Cottonwood Basin, and 17 Mile Basin. It was agreed that each of these additional basins will be included with the project.
3. A discussion of the additional basins and their resultant floodplains followed. The results of the baseline hydrology and first look at hydraulics will help inform whether to map the floodplains with CWCB, FEMA, or neither on a tributary basis. A discussion of how to address each stream will be a portion of the comment review meeting agenda.
4. Analyzing the inclusion of the additional basins effectively ended on October 11. Consequently, the design team is approximately 3 weeks behind schedule and requests that the Draft Baseline Hydrology submittal and subsequent milestones be extended to December 7. A draft revised schedule was presented, but it was requested that the schedule be further modified so that the comment review meeting occur after the first of the year. UD approved the revised schedule during the meeting.
5. Shea provided stakeholder feedback regarding additional costs that will need to be funded for the inclusion of the additional tributaries with regard to future phases. This discussion

would be ongoing, but it was requested that that the project team proceed with the study and that funding will be resolved prior to the next phase.

6. Major basin delineation is undergoing internal QA/QC. A brief review of this process was discussed:
 - a. Detailed subdivision boundaries are possible by reviewing development plans. It was decided that this level of detail is not warranted and that relying on the one-foot topography is sufficient.
 - b. Several areas not within the major basins require further investigation. These areas will be included with the MDP as Direct Flow Areas but will not be included with alternative analysis or concept design.
 - c. The Valley Club Golf Course major basin should be validated to ensure that portions of the course are outside of the major basin as shown on the draft meeting exhibit. Rich referenced the 2D model developed by Glenn Hamilton at Muller and that we could request this to help answer the question. However, since most of the golf course is within the floodplain of Cherry Creek, the basin presented in the draft meeting exhibit is appropriate.
 - d. E470 Drainage Plans need to be reviewed to clarify whether or not all road drainage is captured within the Southern Unnamed Tributary.
 - e. The outfall for the Cottonwood Basin at Peoria is not observable. It may be a silted in culvert. This should be picked up via structure survey.
7. Beginning sub-basin delineation and will rely on comments received at kickoff meeting to help identify logical design points. Additional input regarding known flooding locations or trouble areas was requested but no known areas were identified.
8. Future conditions hydrology is required for all basins. Because the southern two basins are undeveloped, the project team will also evaluate existing conditions hydrology.
9. Shea referenced the Interactive Hydrology Feature and will provide documentation as an example for Dewberry | J3 to follow for the MDP.
10. Open Discussion

ACTION ITEMS

1. Doodle Poll for Comment Review Meeting (Ken).
2. Provide funding detail to stakeholders (Shea).
3. Stakeholders to resolve funding prior to next project phase (All).
4. Dewberry | J3 to continue with basin refinements (Ken, Allie & Danny).
5. Update and distribute schedule (Ken).

PROJECT SCHEDULE

Kickoff Meeting	September 10, 2018
Progress Meeting (+5 Weeks)	October 23, 2018
Submit Draft Baseline Hydrology	December 7, 2018
Complete Review of Draft Baseline Hydrology	December 28, 2018
Comment Review Meeting	December 31, 2018
Complete Corrections to Draft Baseline Hydrology	January 18, 2019
Baseline Hydrology Approved	January 21, 2019