

RE-STARTED KICKOFF MEETING MINUTES

Little Dry Creek MDP and FHAD
Monday December 4, 2017
10:00 am at Urban Drainage

Attendees:

Name	Company	E-mail
Shea Thomas	Urban Drainage and Flood Control District (UDFCD)	stthomas@udfcd.org
Brooke Seymour	UDFCD	bseymour@udfcd.org
Anna Sparks	Adams County	asparks@adcogov.org
Allison Rice	Adams County	arice@adcogov.org
Riley Pennington	City of Arvada	rpennington@arvada.org
Andrew Hawthorn	City of Westminster	ahawthor@CityofWestminster.us
Nicole Ankeney	City of Westminster	nankeney@CityofWestminster.us
Deb Ohlinger	Olsson Associates (Olsson)	dohlinger@olssonassociates.com
Amy Gabor	Olsson	agabor@olssonassociates.com
Krystina Pacheco	Olsson	kpacheco@olssonassociates.com

Discussion Items:

The meeting was held to discuss the startup of the Little Dry Creek (LDC) FHAD and MDP. While this summary is not intended to represent a comprehensive account of the meeting, it is intended to reflect the key points raised and issues for further consideration and to identify the action items resulting from the discussions.

1) Requested information and status

- a) As-built pond stage-storage-discharge information, as-built topography, as-built HEC-RAS model for the Federal Project – Shea checking with Dave Skuodas
- b) LOMR information for RTD project downstream of Federal – Enginuity completed the CLOMR for this project. A LOMR was not completed since the as-built project will be included as part of this FHAD. It was noted that the 0.5-foot floodway had caused problems in this area.
- c) Westminster Mall detention pond – provided by Seth Plas
- d) Any new culverts RTD installed – Design plans were shared by Muller in 2015. Olsson will coordinate with Alana Bales for the as-built plans.
- e) CDOT as-builts for Shaw Heights – Olsson will coordinate with Ryan Sorenson and Scott Leiker for the as-built plans.
- f) 72nd and Raleigh bridge as-builts – As-builts have been received.
- g) Floodplain modifications at the Midtown and Pomponio developments are currently underway. A CLOMR was completed as part of the project and will be included in this study.

- h) Rocky Mountain Arsenal to Rocky Flats trail includes a connection in the watershed.
- i) City of Westminster confirmed Phase 1 of the trail project has been completed, it follows the original Little Dry Creek trail to Stanley Lake and, therefore, will have no impact on the floodplain.

2) FHAD

- a) Rough estimate of the 100-year floodplain was provided at the meeting. This floodplain used previously-estimated flows and will change with the updated hydrology.
- b) City of Westminster is working on improvements along Little Dry Creek from north of 72nd to Lowell. The improvements include a Greenhouse expansion south of 72nd Ave and an administration building. The preliminary floodplain was used for design of these buildings to reduce the impacts to the floodplain.
- c) Olsson will update the draft floodplain delineation south of 72nd Avenue for the City of Westminster after completion of the updated hydrology to give them an idea of floodplain limits for their upcoming projects.
- d) Olsson will incorporate the large inlet and storm drain system upstream of Rotary Park Detention Pond into the HEC-RAS model. The project was designed to eliminate the 100-year floodplain through the neighborhood. Olsson will check inlet capacities to verify that the 100-year flow is intercepted.
- e) The floodplain in Arvada will be updated from a Zone A to a zone AE with this project.

3) Problem Areas and Potential Alternatives

- a) Steep banks are present upstream of Kipling.
- b) A bank stabilization project between Hoyt and Pomona Drive is being completed.
- c) Olsson will review Matrix Design Group's master plan south of 72nd.
- d) City of Westminster is looking at an accessible ramp at 72nd and Raleigh.
- e) A sanitary sewer interceptor project is currently in progress. The sewer runs mainly along the south side of Little Dry Creek from Lowell to 72nd Ave. The sewer crosses the creek at Wolfram Park. The City of Westminster will send plans for the project. The alternatives analysis will be coordinated with these plans to avoid any conflicts.
- f) City of Westminster would like Olsson to evaluate a 100-year storm drain system at the upstream end of Shaw Heights Tributary.
- g) Alternatives to remove the houses from the floodplain at Rotary Park will be evaluated.
- h) City of Westminster is interested in alternatives to reduce the floodplain south of Highway 36th and any improvements to help the Westminster station.

- i) Water quality and detention alternatives will be investigated. Westminster will send a GIS layer of parcels owned by the City.
 - j) Westminster open space at 75th Ave and Sheridan Ave. has the potential for detention.
 - k) Olsson will evaluate improvements to increase the detention in Lake Arbor and create online detention at Pomona Lakes No. 2.
 - l) Adams County prefers natural channels where possible and has existing trails along Little Dry Creek.
 - m) RTD proposed a floodwall to eliminate flooding across the tracks. They might have conceded that flooding will occur. Adams County expressed some concern with utilizing a floodwall.
 - n) Olsson will evaluate whether flows from the downtown redevelopment area adversely affect the area north of West 81st Place and west of the railroad.
- 4) Schedule
- a) Updated hydrology report will be provided to the District by 1/12/2018. FHAD and MDP shall follow typical schedule as outlined in the contract thereafter.

Action Items

Olsson

- Coordinate with Alana Bales for LOMR information for RTD project downstream of Federal
- Coordinate with Ryan Sorenson and Scott Leiker for the CDOT as-built plans
- Create a rough floodplain boundary with updated flows for the use of City of Westminster upcoming projects.

UDFCD

- Provide as-built pond stage-storage-discharge information, as-built topography, and as-built HEC-RAS model for the Federal project.

Adams County

- Send Olsson information regarding Midtown and Pomponio developments.

City of Westminster

- Provide the following information:
 - Plans for sanitary sewer interceptor project along Little Dry Creek - *completed*
 - As-builts for inlet and storm drain at Shaw Blvd. along Shaw Heights - *completed*
 - Shapefile of parcel information
 - 72nd Avenue Bridge as-builts - *completed*
 - Westminster Station Park conceptual plans - *completed*

Please contact Olsson at 303-237-2072 or agabor@olssonassociates.com with changes or questions regarding these meeting minutes. The minutes will be considered final unless comments are received within seven days of distribution. Although comments will be incorporated, as appropriate, only major revisions will be redistributed.

Minutes prepared by: Krystina Pacheco
cc: Attendees, File