
Grange Hall Creek MDP and FHAD Kickoff Meeting Minutes

Date: March 2, 2015, 10:00 AM
Location: UDFCD Building
Distributions: Study Area Map

Attendees:

NAME	ORGANIZATION	E-MAIL
Shea Thomas	UDFCD	stthomas@udfcd.org
Terri Fead	UDFCD	tfead@udfcd.org
Brik Zivkovich	UDFCD	bzivkovich@udfcd.org
James W. Kaiser	City of Thornton	jim.kaiser@cityofthornton.net
Pam Acre	City of Northglenn	pacre@northglenn.org
Anna Sparks	Adams County	asparks@adcogov.org
Shannon McDowell	Adams County	smcdowell@adcogov.org
Alan Leak	RESPEC	alan.lead@respec.com
David Delagarza	RESPEC	david.delagarza@respec.com
Mike Bannister	RESPEC	mike.bannister@respec.com

I. Purpose

The purpose of this meeting was to introduce all project stakeholders, discuss project goals, and request information and data from the project sponsors.

II. Study Overview and Goals

The meeting was opened with introductions. David Delagarza gave a brief overview of the Master Drainageway Plan (MDP) and Flood Hazard Area Delineation (FHAD) process. While the alternatives phase of the study is typically conducted prior to beginning the FHAD, Shea Thomas asked that RESPEC adjust the schedule to begin FHAD prior to the alternatives analysis.

A discussion was held about the previous master planning studies in the watershed. This most recent master planning study for the Grange Hall Creek is a 1997 MDP study published by Kiowa Engineering. The hydrology for this study included numerous inadvertent detention areas. It was stated by Mr. Delagarza and Ms. Thomas that current UDFCD policies do not allow informal or non-publically owned detention facilities to be included in the hydrologic model and therefore, the inadvertent detention from the previous master plan will not be included in baseline hydrology. Mr. Delagarza stated that he would prefer to develop the hydrology for this study from scratch as opposed to using the 1997 MDP as a starting point. The initial baseline hydrology model will include inadvertent detention in order to allow calibration of the model to the effective peak flows. Once the model has been calibrated, the inadvertent detention will be removed. Ms. Thomas also indicated that she will request that RESPEC

create a hydrologic model with larger subcatchments up to the size of entire tributary watersheds in order to help facilitate calibration of the model.

Jim Kaiser stated that the City of Thornton maybe interested in formalizing areas of inadvertent detention before the FHAD portion of the study is completed.

III. Information Gathering

UDFCD will provide RESPEC with 2012 aerial imagery of the project area and 2014 one foot contours. Ms. Thomas mentioned that there was reserved budget for additional survey if required. Ms. Thomas also stated that the hydraulic structure survey should be completed this week.

Previous studies of the project area were discussed. Mr. Kaiser mentioned that a dam on Lamberton Lake on the South Tributary had recently been modified but no LOMR was submitted due to negligible impacts on attenuation of peak flows, however plans for the dam modifications are available. Terri Fead stated that she would provide information and models for any LOMRs/LOMAs in the study area.

Mr. Delagarza stated that RESPEC will use the 2012 USGS National Land Cover Database (NLCD) for existing imperviousness in the study area. RESPEC will spot check the NCLD for accuracy within the project area. Mr. Delagarza requested information about development in the study area since 2012 as well as any planned development. Due to the near fully developed nature of the watershed Ms. Thomas requested that the FHAD be based only on future conditions.

Mr. Delagarza asked that the project sponsors make available to RESPEC any GIS mapping or project as-builts of roadway centerlines, planimetrics, utilities, and storm sewer information. Anna Stark named Brandi Rank as Adams County's GIS contact.

Ms. McDowell stated that there is a 2012 master plan for the Grange Hall Creek Trail. This master plan should be considered within this master plan.

The location of several proposed developments in the watershed was discussed. The project sponsors will provide RESPEC with the proposed development information for all development within the watershed.

Several specific known inaccuracies in the 1997 MDP were discussed. RESPEC will take a specific look at these areas when completing the baseline hydrology.

The name and location of the Riverdale Tributary was discussed. Mr. Kaiser stated that the drainage referred to as the Riverdale Tributary on the handout map was actually the 104th Avenue Tributary and that the true Riverdale Tributary was not indicated on the map. Ms. Thomas stated that both tributaries (104th and Riverdale) should be included in the study, and should be added to the project scope.

The following list summarizes the information that RESPEC requested from the project sponsors:

- Storm Sewer and Drainageway Improvements (GIS is good, as-builts are better)
- Utility Maps (Including Exposed Crossings)
- Any recent development that may not be reflected on the base map or 2012 USGS NLCD
- GIS Street Networks
- Zoning and Future Development Master Plans
- Information On Any Publically Owned and/or Maintained Regional Detention Facilities including Improvements and Maintenance

- Records, Photos or Citizen Complaints of Flooding or Problem Areas

IV. Detention

Mr. Delagarza stated that RESPEC will use the 1997 MDP as the basis for modeling detention in the study area and requested information about any modifications to formal detention ponds since 1997. RESPEC will verify detention stage-storage curves utilizing the 2014 survey.

Formal and inadvertent detention sites in the study area were discussed including multiple ponds in Northglenn and Thornton. Ms. Thomas stated that due to the number and different types of detention in the study area it will be necessary to “walk through” the various ponds and decide which ponds to model in the baseline hydrology.

Pam Acre stated that the City of Northglenn did not participate in the 1997 MDP. Due to this, there is information in the older 1977 MDP that is not included in the 1997 MDP.

V. RTD FasTracks

Mr. Kaiser provided an overview of hydrology and possible improvements related to the RTD FasTracks project within the study area. The overview focused on crossings on the Grange Hall Creek Mainstem, North Tributary, and Northeast Tributary.

VI. Schedule

The next meeting will be scheduled on April 8th at 10:00 AM. Due dates in the scope for the draft FHAD (8/31/2015) and the draft Alternatives Analysis Report (8/3/2015) will be switched so that the draft FHAD is due first. The public meeting is tentatively scheduled for early September. Both Mr. Kaiser and Ms. Acres volunteered space for the public meeting.

VII. Action Items

- RESPEC will work with all project sponsors to obtain all requested information for the study.
- The City of Thornton will provide plans for dam modifications on the South Tributary.
- The UDFCD will provide LOMR models.
- The UDFCD will amend the scope to include both the Riverdale and 104th Avenue Tributaries.

These minutes are true and accurate to the best of my knowledge based on notes and recollection. Should any attending party have additions or corrections to these minutes, please forward them to David Delagarza of RESPEC Consulting within one week of the date of receipt. The absence of a response will be considered concurrence to the previous information and these minutes will be considered matter of fact.