



## MEETING MINUTES Henderson Creek MDP Progress Meeting #4

Date : January 22, 2021  
Location : Virtual Meeting  
Distributions : Agenda

### Attendees :

NAME	ORGANIZATION	EMAIL
Dave Skuodas	MHFD	<a href="mailto:dskuodas@udfcd.org">dskuodas@udfcd.org</a>
Brent Soderlin	Commerce City	<a href="mailto:bsoderlin@c3gov.com">bsoderlin@c3gov.com</a>
Lee Alverson	Commerce City	<a href="mailto:lalverson@c3gov.com">lalverson@c3gov.com</a>
Alan Leak	RESPEC	<a href="mailto:alan.leak@respec.com">alan.leak@respec.com</a>
Jen Winters	RESPEC	<a href="mailto:jennifer.winters@respec.com">jennifer.winters@respec.com</a>
Jessie Nolle	RESPEC	<a href="mailto:jessica.noelle@respec.com">jessica.noelle@respec.com</a>
William Lynn	RESPEC	<a href="mailto:william.lynn@respec.com">william.lynn@respec.com</a>

### 1) Introductions

The meeting was opened with introductions.

### 2) Purpose

The purpose of the meeting was to discuss the preliminary alternatives for the Henderson Creek watershed. Jen Winters (RESPEC) opened the meeting by discussing the agenda which was to review the alternatives for each reach within the Henderson Creek watershed.

### 3) Review of Preliminary Alternatives

Each proposed reach was reviewed by the group to discuss existing issues, imminent development, and proposed MDP alternatives. Dave Skuodas (MHFD) noted that Stream Management Corridors (SMCs) would likely not apply for a majority of the Henderson Creek watershed, due to imminent development and completed preliminary channel designs within most reaches

The following subsections summarize the discussion for each stream reach:

#### a. Ragweed Reach 1 (Reunion 9 Development)

Confirmed by Brent Soderlin and Lee Alverson (City of Commerce City) that the portion of Reunion Village 9 located west of Potomac St. is currently under construction. Additionally, proposed Pond B (located just east of Potomac St.) will potentially be split between Reunion Village 9 and the Everly property 2. to the City plans to discuss with both developers about



proposed drainage plans and the design of Pond B. RESPEC will schedule a meeting with the developers, the City, and MHFD to discuss.

Dave Skuodas requested the final channels plans for the Reunion Village 9 to review in relation to MHFD Maintenance Eligibility. Dave mentioned a box culvert being implemented from the outlet of Pond A to the crossing at 104th Ave where it will connect with the existing box culvert. RESPEC will confirm the proposed design and crossing per Reunion 9 updated drainage design plans.

**b. Ragweed Reach 2 (I-76 to 104<sup>th</sup> Ave.)**

Jessie Nolle (RESPEC) updated the group on the progress of the Triangle Pond design and issues. RESPEC submitted preliminary design memorandum to the City of Commerce City on December 22, 2020. Currently RESPEC is working through issues related to the additional drainage area to the pond from the Turnberry development. RESPEC is coordinating with the City to review the proposed detention pond release from the Turnberry site to the Triangle Pond. RESPEC will continue coordinating internally regarding design of the Triangle pond.

Jessie also discussed the need for boring a pipe underneath HWY 2 and the Burlington Ditch. The group agreed that regardless of the Triangle pond being implemented, Ragweed will need a crossing to be constructed at the Burlington Ditch per the MDP. Dave Skuodas mentioned the importance of considering grading of pipe and the minimum coverage required. Dave to provide guidance on tunneling.

The group discussed the Aberdeen Drainage Report and the inclusion of "Pond A1" in the hydrologic analysis. Lee Alverson confirmed that the location of Pond A1 was the best location for additional pond. Dave Skuodas requested RESPEC to look into the impact of adding the proposed Pond A1 and the feasibility of increasing the size of Pond T3 to be considered regional detention.

**c. Ragweed Reach 3 (US 85 to I-76)**

The group discussed the impacts of the proposed Triangle Pond to the peak flows within the reach. RESPEC to provide analysis of impacts to infrastructure based on the construction of the Triangle Pond. A detention pond south of 112<sup>th</sup> Ave. within the River Oaks sub-division was discussed as a possible location to include a local or regional detention pond. RESPEC to analyze the existing pond for impacts to hydrology.

**d. Henderson Reach 1 (Turnberry South Development)**

Lee Alverson and Brent Soderlin confirmed that design have been submitted for the development within the reach. Plans include a proposed channel design and proposed pond with the Turnberry South development. RESPEC to reflect drainage plans and proposed detention pond in MDP. Crossing underneath HWY2 and railroad were either completed during the expansion of HWY2 or to be completed by Turnberry south developers, anticipated to be a 36" pipe. City of Commerce City to send RESPEC the HWY 2 plan drawings.

**e. Henderson Reach 2 (W104th Ave. to SH 2)**

City of Commerce City to provide RESPEC with drainage plan (JR Engineering report) for eastern side of reach. Brent Soderlin to provide RESPEC with storm sewer system CAD for 104<sup>th</sup> to update path of Henderson Creek.

**f. Henderson Reach 3 (I-76 to 104<sup>th</sup> Ave.)**

RESPEC to look into the feasibility of converting the proposed 104<sup>th</sup> and Joliet retention pond into a regional detention pond.



**g. Henderson Reach 4 (112<sup>th</sup> Ave. to I-76)**

RESPEC to review Gruenewald drainage plan for proposed channel design of Henderson Creek. RESPEC to review the design and compare with other channel designs with other developers. Dave mentioned that north of 108<sup>th</sup> Ave. is zoned residential which might be an opportunity for the MDP to propose a multi-functional channel design.

**h. Henderson Reach 5 (US 85 to 112<sup>th</sup> Ave.)**

The group agreed that the MDP should include a regional detention pond at the confluence of Ragweed and Henderson Creek channels (just east of US 85). RESPEC to consider keeping green space in eastern part of proposed pond design. Commerce City to consider making pond location a multiple purpose area.

**i. Henderson Reach 6 (120<sup>th</sup> Pkwy to Havana St.)**

RESPEC mentioned the need for boring underneath Havana St., the railroad, and US-85 regardless of the proposed regional pond at US 85 being implemented. RESPEC also proposed two possible alternative path designs for Henderson Creek. Dave (MHFD) requested RESPEC to provide a plan and profile view of the various proposed paths and to consider any other alternatives for the Henderson path.

**j. Henderson Reach 7 (South Platte River to 120<sup>th</sup> Pkwy)**

RESPEC proposed two alternatives for the outfall channel alignments of Henderson Creek within this reach. The alignment will be impacted based on the decisions made in Henderson Reach 6. RESPEC to provide a plan and profile of the proposed alignments for discussion.

**4) Schedule**

- i. Draft Alternatives Report – mid March
- ii. Review of Draft Report – late March
  - 1. Progress Meeting – comment resolution
- iii. Final Alternative Report – mid April
- iv. Public Meeting, Conceptual Design, Final MDP – by early Summer

**5) Action Items**

- a. RESPEC and Commerce City to set up meeting with developers planning to split Pond B.
- b. Lee (Commerce City) to send Reunion 9 latest plans to Dave (MHFD).
- c. Commerce City to provide RESPEC with latest drainage plans for Reunion 9 to confirm Ragweed Drain path after Pond A.
- d. RESPEC to evaluate and determine feasibility of proposed Pond A1.
- e. RESPEC to determine if updates can be made to Pond T3.
- f. RESPEC to work within office on Triangle Pond design and drainage area.
- g. Commerce City to determine if south of 112<sup>th</sup> is a public easement.
- h. RESPEC to evaluate if detention is feasible south of 112<sup>th</sup> in Ragweed Drain.
- i. Commerce City or MHFD to provide RESPEC with HWY2 expansion plan so determine the location and size of crossings for Henderson at HWY2 and railroad.
- j. Commerce City to provide RESPEC with update drainage plot for area south of 104<sup>th</sup> and east of Lima St.
- k. Brent (Commerce City) to provide RESPEC with GIS/CAD linework for as-built storm sewer network on 104<sup>th</sup> (to include as-built drainage plans).



- l.** RESPEC to evaluate the feasibility of converting proposed 104<sup>th</sup> and Joliet retention pond into regional detention.
- m.** RESPEC to review Gruenewald drainage plan for proposed channel design of Henderson Creek.
- n.** RESPEC to develop preliminary design and grading for US85 pond.
- o.** RESPEC to provide plan and profile views of the proposed Henderson Creek alternative paths.