

SUMMARY

PROJECT: Murphy Creek Major Drainageway Plan
MEETING DATE/TIME: September 12, 2022 11:00 am -12:00 pm
LOCATION: Teleconference
PURPOSE: Baseline Hydrology Comment Response Meeting

Name	Representing	Email
Derek Clark*	Mile High Flood District	dclark@mhfd.org
Colin Haggerty	Mile High Flood District	chaggerty@mhfd.org
Sam Miller*	City of Aurora	samiller@auroragov.org
Craig Perl	City of Aurora – Floodplain Administrator	cperl@auroragov.org
Sue Liu	Arapahoe County	sliu@arapahoegov.com
Tiffany Clark*	Southeast Metro Stormwater Authority	tclark@semswa.org
Molly Trujillo	Southeast Metro Stormwater Authority - CIP	mtrujillo@semswa.org
Cynthia Love	Southeast Metro Stormwater Authority – Floodplain Manager	clove@semswa.org
Jessica Traynor	Southeast Metro Stormwater Authority	jtraynor@semswa.org
Clare Steninger	Merrick – Hydrology Lead	clare.steninger@merrick.com
Jeanne Boyle	Merrick – Project Manager	jeanne.boyle@merrick.com
Cora Wiese Moore	Merrick	cora.moore@merrick.com
Others Invited:		
George Slovensky	City of Aurora – Public Works	gslovens@auroragov.org
Tony Tran	City of Aurora - CIP	atran@auroragov.org
Janet Bender	City of Aurora – Supervisor Development Review	jbender@auroragov.org
Curtis Bish	City of Aurora – Planning and Open Space	cbish@auroragov.org
Robert Victor	Arapahoe County	rvictor@arapahoegov.com

*Point of Contact

The following is a summary of the interactions, comments, and future deliverables discussed. While this summary is not intended to represent a complete or comprehensive account of the meeting, it is intended to reflect the salient points raised.

1. Land Use and Future Zoning

- a. Future Land Use in Arapahoe County
 - i. Imperviousness in the current SWMM model was developed based on the Arapahoe County zoning map GIS. The zoning GIS file does

not include future land uses that were a part of the Arapahoe County Comprehensive Plan (2018).

- ii. It was decided to revise the model land uses and resulting imperviousness values based on the Arapahoe County Comprehensive Plan (2018) categories. Merrick will follow up with Arapahoe County to obtain the GIS data for the Comprehensive Plan.
 - iii. Future land uses from the Comprehensive Plan will be incorporated into the project's land use schedule and incorporated into the CUHP imperviousness inputs.
 - iv. It is assumed that the only land use change from the Comprehensive Plan is the Lowry Trust Property, as discussed below.
- b. Future Zoning Changes – Lowry Trust Property
- i. An application for rezoning has been submitted, but not yet approved. This parcel is proposed to be zoned Heavy Industrial (I-2) rather than current zoning of Agricultural (A-1).
 - ii. There will be a detention pond onsite, but it will be offline and will not be regional. It will discharge to Murphy Creek.
 - iii. Although not officially approved, Merrick will conservatively treat this area as Industrial zoning with a higher imperviousness (90%) for future conditions.
- c. Buckley Space Force Base
- i. No significant development is anticipated in open spaces on the Base. The imperviousness currently shown in the model is acceptable.

2. Routing Updates

- a. Gun Club Creek Area
- i. Merrick and MHFD have conferred on changes to the routing near Jewell Avenue. Gun Club Creek is now routed completely to the south of Jewell. This reflects development plans and previous master plans.
 - ii. Per group discussions, changes will be made to the routing of basins west of Gun Club Road. There are several small culverts under the road that support routing to the east instead of to the north. During large storm events, the road will likely overtop to the east as well.
 - iii. Existing basins to the west side of Gun Club Road (Basins 441 and new 442.5) will flow to Gun Club Creek using existing culverts.
 - iv. These existing culverts are not reflected in SEMSWA, Aurora, or MHFD GIS and survey data. Additional survey will be discussed in the Hydraulics phase.

- b. Yale Area
 - i. Grading for the new Yale Avenue was completed in 2005-2006. The routing in this area should follow the 2008 OSP.
 - ii. The area between the new Yale Avenue and the old Yale Avenue east of Gun Club Road, including flows from the west (Basins 123, 470, and 471) will flow to Murphy Creek as shown. This is consistent with the 2008 OSP and it appears the Yale Avenue realignment also anticipated this routing.
 - iii. The historic Gun Club Creek remnant will not be used to route flow north across the new Yale Avenue.
- c. Basin 302
 - i. Basin 302 was flagged for delineation and routing confirmation. It abuts one of the runways of the Buckley Space Force Base. It is oddly shaped but does flow north as shown and is acceptable as delineated.

3. Miscellaneous

- a. Crossing discrepancies
 - i. All crossing discrepancies between the survey data and SEMSWA GIS data have been verified except for crossing 49 (Murphy Creek and E. Alameda Avenue). Merrick will investigate to verify this crossing size.
- b. Crossings Map
 - i. No map of crossings is necessary at this time. This will be presented as part of the Hydraulics phase.
- c. Previous flood pictures
 - i. If any sponsors have pictures of previous flooding that they would like shown, they will provide them.
 - ii. Field visits will be completed as part of the Hydraulics phase.

4. Conclusion

- a. Next steps
 - i. Merrick will review SWMM and CUHP modelling as discussed, repackage the report, and redistribute it to all sponsors within the next 2-3 weeks.
 - ii. Following this, Merrick will schedule a discussion of next steps and plans for the Hydraulics and Alternatives Analysis phases.