Bohannan Huston

MEETING AGENDA

Project Name: Valverde OSP
Meeting Date: January 4, 2023
Location/Time: MS Teams, 11:00 AM
Organizer: Rifka Wine, BHI
Attendees:

Morgan Lynch, CCD
Kyle Donovan, MHFD
Caroline Ogg, BHI
Craig Hoover, BHI

Progress Meeting

Meeting Purpose: To discuss progress and questions on baseline hydrology

I. FLO-2D model status

Remaining outstanding model items

- Update rainfall to use NOAA 14 and follow Denver 2D modeling guidelines for infiltration losses
- One reach had to interpolate pipe connections. Per Morgan use the plans but if need to interpolate do so. BHI will document assumptions in the report
- Per Morgan – Kevin Lewis had indicated in kickoff that he was going to provide data, did he do so? Yes. He provided 311 data (uploaded to sharepoint site) that included "ponding areas". We included these in our GIS database and generally field verified them. We only included ponding and flooding areas
- Mississippi Gulch – keep hydrographs that Chris had included in the model.

II. Questions

1. Storm Sewer without sizes or elevation data in GIS

   BHI to send CCD list (or map) of the ones that we are concerned about (don't include laterals)

2. SWMM pipe loss coefficients

   Pipe loss coefficients in SWMM do not follow the UDSCM criteria. Per Morgan: follow the UDSCM manual. (same approach as what we used on Westerly Creek). The model was not included in the 2019 SDMP. It was an internal model for CCD so it makes sense for us to "clean it up" for MHFD review.
3. Minimum pipe size to include in FLO-2D model

At kickoff discussed a minimum pipe size of 36". Language in SDMP suggested minimum size of 18" but FLO-2D model does not include all pipes greater than 18". For hydrology assume 36". For problem areas identify if we need to add more detail (pipes <36" diameter)

4. 2020 LiDAR

   We noted some differences. Do we want to incorporate the 2020 LiDAR. Kyle has looked at this but hasn't been able to discuss it internally at MHFD. Can get back with us. Morgan and CCD staff looked at it. MHFD has not yet used the 2020 LiDAR for a study in this area and Chris's model is not published so now seems like the time to pivot to the 2020 LiDAR. We may want to publish relative depths rather than elevations. Kyle to confirm this approach with MHFD.

III. **Next Steps**

1. Draft Baseline Hydrology Report
2. Next meeting, January 11th at 1 pm discuss public involvement process. Include Morgan, Kyle. Similar approach to Upper Montclair and Globeville studies (see CCD website)

IV. Action Items

Kyle to follow up with MHFD on 2020 LiDAR usage.