

Trinity Subdivision
First Sufficiency Storm Water Comments
October 2, 2020

- In Section 2.0 Design Criteria, please include a summary of the design criteria including runoff coefficients, design storm inputs, and time of concentrations.
- In Section 2.0 Design Criteria, you state that “since the sumps on the east side of the site were noted to have mud and debris clogging the sump rock, it is assumed that the factor of safety has already been applied to the infiltration rates.” This is difficult to substantiate and the City of Missoula does not agree with this statement but will accept the design given that these facilities are not located in the right-of-way, will not be maintained by the City and will not impact compliance with the City’s stormwater discharge permit. If no safety factor is applied to the proposed dry wells in this area, final approval of the storm water design will include the following statement: “The storm water design engineer has chosen to not apply a factor of safety to the infiltration rate used to determine the number of dry wells on the east side of the development. This may result in more ponding around the dry wells compared to what would normally be anticipated. Standing water can accelerate asphalt deterioration and cause public safety issues.”
- In Table 2.0, please include a column for impervious area and the Curve Number assigned to each area type.
- Please provide calculations for the 100-year storm, to show that the typical basin in the parking lot around each dry well has capacity to store the 100-year storm volume. For the dry wells in the east parking lot, provide 100-year storm calculations with a safety factor applied and demonstrate that storm water is still retained on-site with the current number of proposed dry wells.
- Please provide more information on the storm water from the unimproved area north of the proposed parking lot (orange area in “Stormwater Management Plan”. The current exhibit shows the storm water being concentrated along the west side of the project area. Where is the overflow path if the storm water overwhelms the proposed dry wells?