

**Project Status Report: CEEEn-2019CPST-012**

**Report Date: 3/2/20**

**Team Members: Kendall Winterhalter, Brian Stevenson, Tyler Giles**

**Project Title: Utah County Post-Fire Debris Basin Runoff**

**1) Summary of technical/non-technical challenges encountered**

- This week we used the curve numbers for the Pre Fire and Post fire conditions to develop the design storm hydrograph.

**2) Team approaches & resolutions to overcome challenges**

- We used the 100 year 24 hour design storm to develop the hydrographs. We hope to meet with our mentor and sponsor this week or next to review some of our work and see if it looks reasonable.

**3) Status of challenge resolutions & potential project impact**

- Using the hydrographs we have found the amount of runoff that can be expected. We will next size an appropriate detention basin and outlet control.

**4) Project status & summary**

- We have a pre fire and post fire hydrograph for the watershed. We will now determine a detention basin size and meet with our advisor to review our progress.