

Project Status Report: CPST-0 16

Weekly Mtg: 02-26-24 EB309 – 4:00p.m.

Team Members: Dylan Fitt(1), Bennett Price(2), Ian Mathews(3), Bryan Williams(4)

Project Title: Project 16

1) Summary of technical/non-technical challenges encountered

- With the GIS data, there are some laterals that don't seem to be connected correctly to the delineation.
- We are not completely sure we understand what needs to be done for infiltration results/what it should look like.
- Manning's results are off based on what the slope and backwater are. The manning's code is correct, but the results are not lining up with the collected data.

2) Team approaches & resolutions to overcome challenges

- We are planning to keep communicating with the Provo City GIS guy and ask him some further questions
- We will meet with Dr. Miller to discuss the infiltration analysis and see if we can get his insights on that.
- We will verify with Lane about what slope to use for the Manning's equation (either the design slope or the slope we found out in the field).

3) Status of challenge resolutions & potential project impact

- Dylan is in the process of working with the City GIS guy
- Bennett is predominantly working on the infiltration analysis. We do need to get the infiltration figured out sooner, as it is a part of the monthly reports we are putting together.
- Ian is addressing the issue with the manning's miscorrelation. We emailed Lane to verify the values.
- Bryan has been working more on the report sections.

4) Project status & summary

- The GIS delineation is coming along – it is a time thing (as opposed to our monthly sewer analysis) so it doesn't have a tight deadline. It will easily be done by project completion.
- Some time in the next week or two, we will be going to collect more data from the sewer sensor.
- Once we have verified the correct values for manning's from Lane, we are set to start compiling our monthly reports of the sewer.

Please enter # of hours spent on project this last week for each team member in the order listed above

2/26/2024

Member #1: 2

Member #2: 2.5

Member #3: 3.75

Member #4: 2

Member #5: