Table 1: Revision History

Date	Developer(s)	Change
September 21 2022	Darren	Team information sections
Date1	Name(s)	Description of changes
Date2	Name(s)	Description of changes
...	...	...

Development Plan
ProgName

Team #, Team Name
Student 1 name
Student 2 name
Student 3 name
Student 4 name

[Put your introductory blurb here. —SS]

1 Team Meeting Plan

The team will meet on Tuesdays on campus at 5:30PM weekly for 1 to 1.5 hours. Team members will meet in-person when possible but will join virtually when unable to be physically present. Meetings are expected to review progress made since the previous meeting, review the status of the project, and discuss and divide upcoming work among team members.

Adham has reserved a room in Gerald Hatch Centre and will chair meetings. Darren will open the call for team members to join virtually. Meeting minutes will be taken as needed when group decisions are reached on topics, responsibility for which will pass between team members as is appropriate.

2 Team Communication Plan

Git issues will be used to track ongoing tasks on the project. Aside from meetings and impromptu conversations between shared classes, the team is communicating primarily through a group chat in Discord.

The team will communicate with the client via email and Zoom calls. Team members will CC the rest of the team when emailing the client.

3 Team Member Roles

- Adham will act as team leader and chair meetings.

- Darren will facilitate virtual meetings and has experience in C++.

- David has experience in C++ and is most familiar with the UI implementation framework we currently expect to use.

- Farzad possesses the most domain knowledge in civil engineering and is the main point of contact with the client.

- Pedram will maintain the git repo.

- Victor has experience in C++.

4 Workflow Plan

- How will you be using git, including branches, pull request, etc.?

- How will you be managing issues, including template issues, issue classificaiton, etc.?

The git will be separated into a dev and prod (master) branch. Developers will fork from the dev branch to implement changes. After merging changes into the dev branch and confirming no issues with integration, the dev branch will be merged into prod. CI/CD will be set up between prod and dev as well as between dev and feature branches.

5 Proof of Concept Demonstration Plan

What is the main risk, or risks, for the success of your project? What will you demonstrate during your proof of concept demonstration to convince yourself that you will be able to overcome this risk?

6 Technology

- Specific programming language

- Specific linter tool (if appropriate)

- Specific unit testing framework

- Investigation of code coverage measuring tools

- Specific plans for Continuous Integration (CI), or an explanation that CI is not being done

- Specific performance measuring tools (like Valgrind), if appropriate

- Libraries you will likely be using?

- Tools you will likely be using?

7 Coding Standard

8 Project Scheduling

[How will the project be scheduled? —SS]