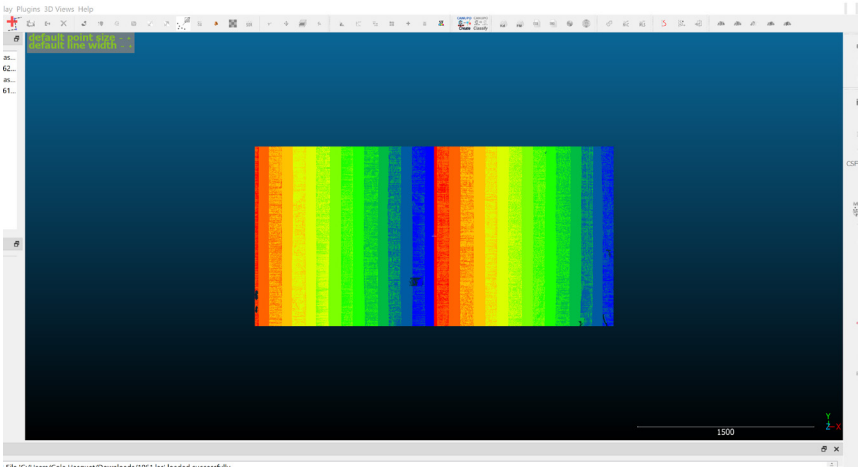
Computer Application Journal #1

Cole Hasquet
9/12/2022
ARCH 565
Journal 1

Getting Site into Rhino - Attempt 1



Importing LiDAR file into Cloud Compare

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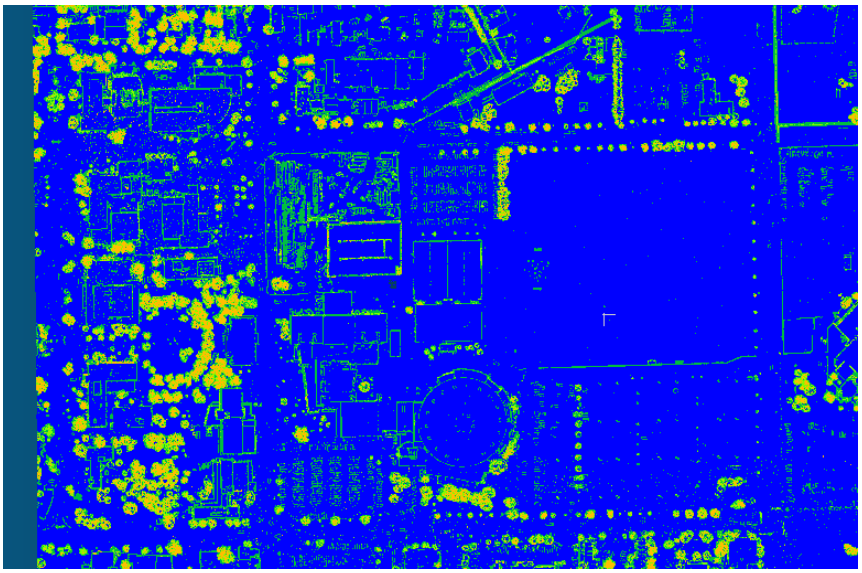

Converging tiles taken from LiDAR and discovering that my project site was a construction site at the time LiDAR was taken, and therefore many irregularities exist, rendering this file useless in assisting with studio project

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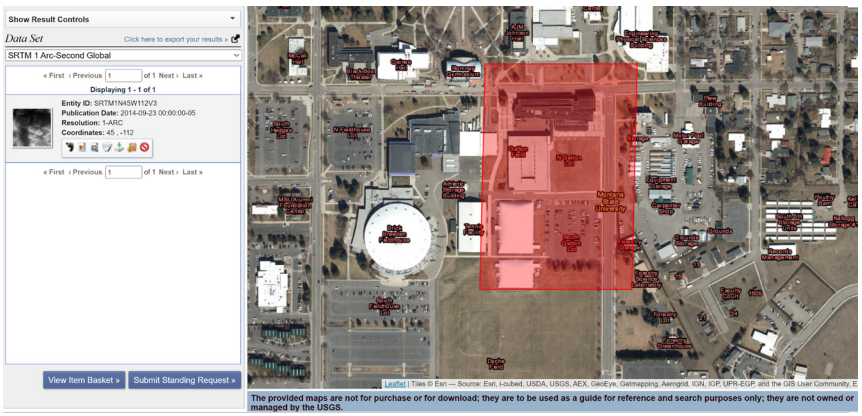
Getting Site into Rhino - Attempt 2



In order to get a more useful site model and topography, I downloaded site information from USGS Earth Explorer.

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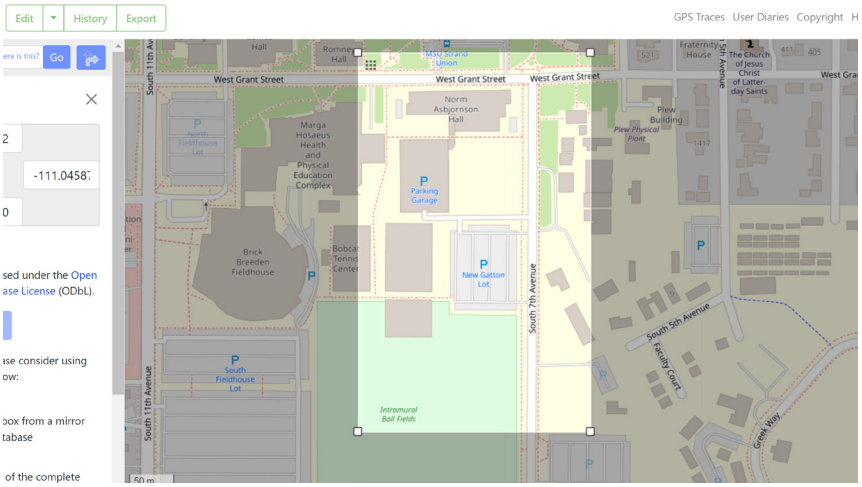

Downloading site context, such as roads and buildings from Open Street Maps.

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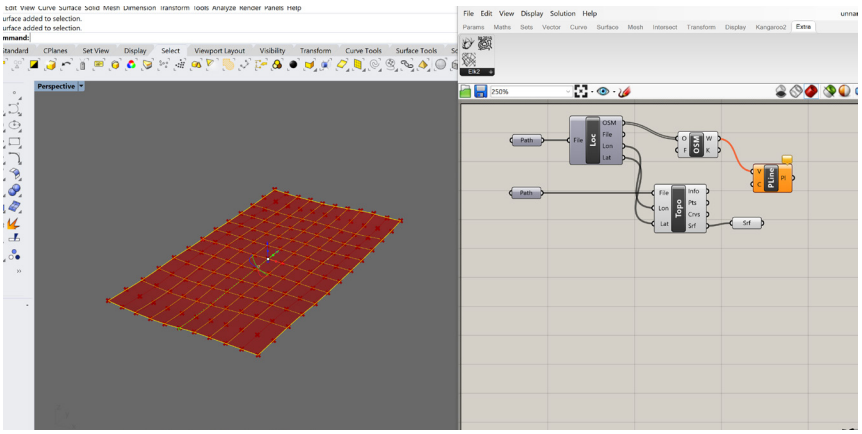

These pieces of data were then pulled into the grasshopper plugin Elk, where the path to the left then produces the desired site area in Rhino.

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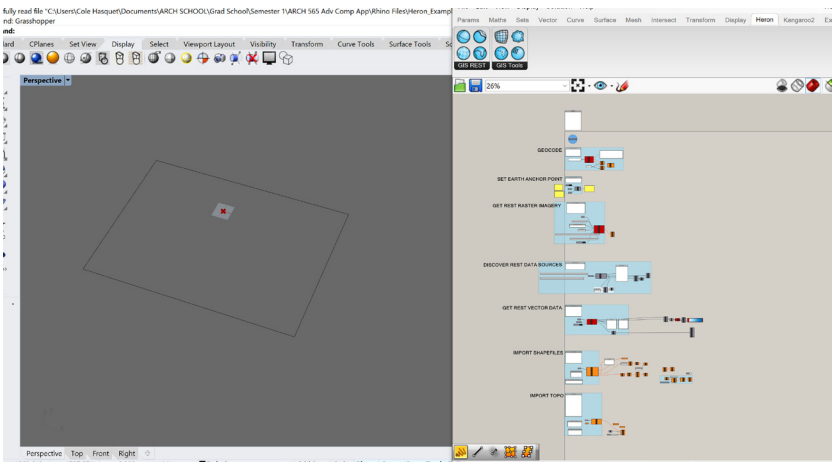

This is from the example we looked at in class, but it was my first experience with Huron, so seeing the different ways in which that plug in works and working through those issues as a class helps to foster an understanding of the program and what it is capable of.

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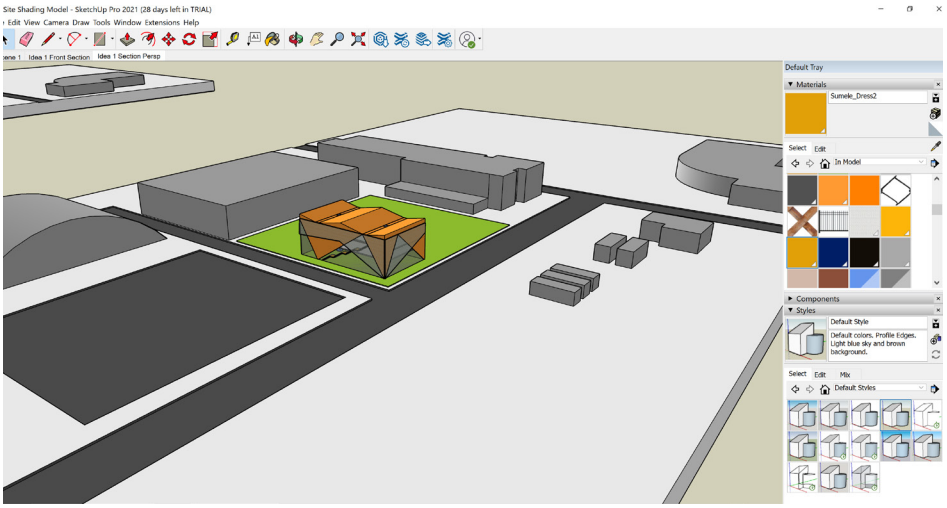
Studio Work



Also for studio, I worked to create some initial schematic ideas, which was initially done by hand, but some basic modeling was then done in Sketchup.

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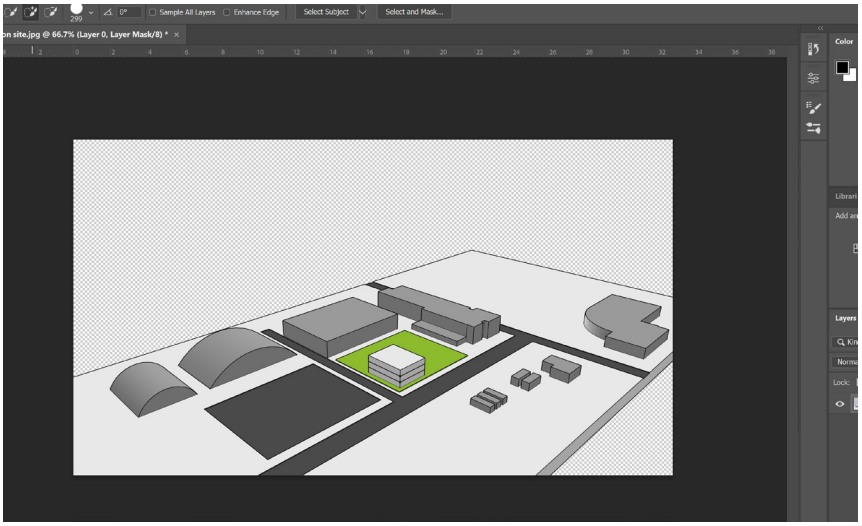

For studio, I created a basic site and surrounding area in sketchup, and then used Photoshop to create a white or translucent background, so it is a cleaner, nicer image.

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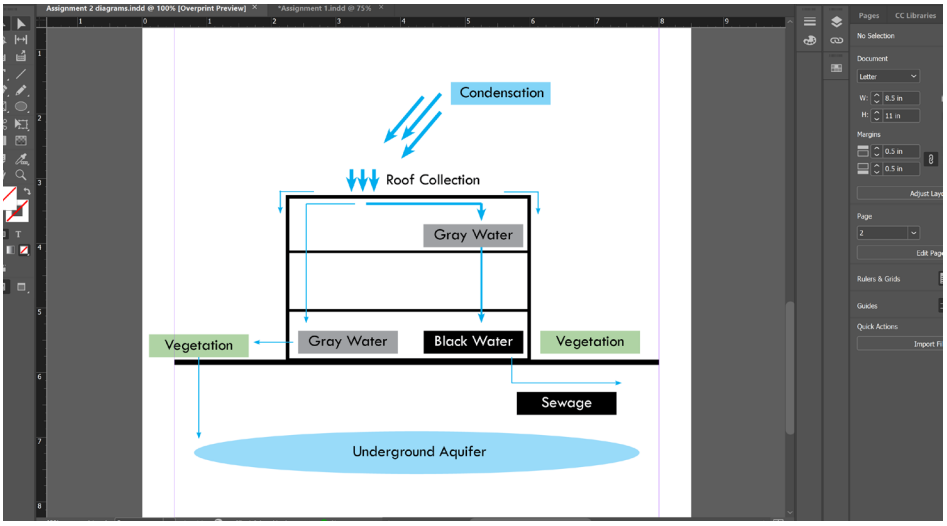

This is a basic diagram I was working on in indesign, and while there is nothing complex here, it was something that I worked on this week.

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