



Deery Housing Subdivision in West Burlington

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Design Objective

The design objectives for this project centered around the division of the given plot of land into the maximum number of high-end residential houses given the state and local ordinances. This included the design of the roads, a trail that connects to the existing trail network, and a pocket park.



Figure 1. Location of Site

Cost Estimate

The final estimate for the cost of constructing the plot, not including the building of houses, is \$3,936,000. With the construction cost per house being \$425,000.

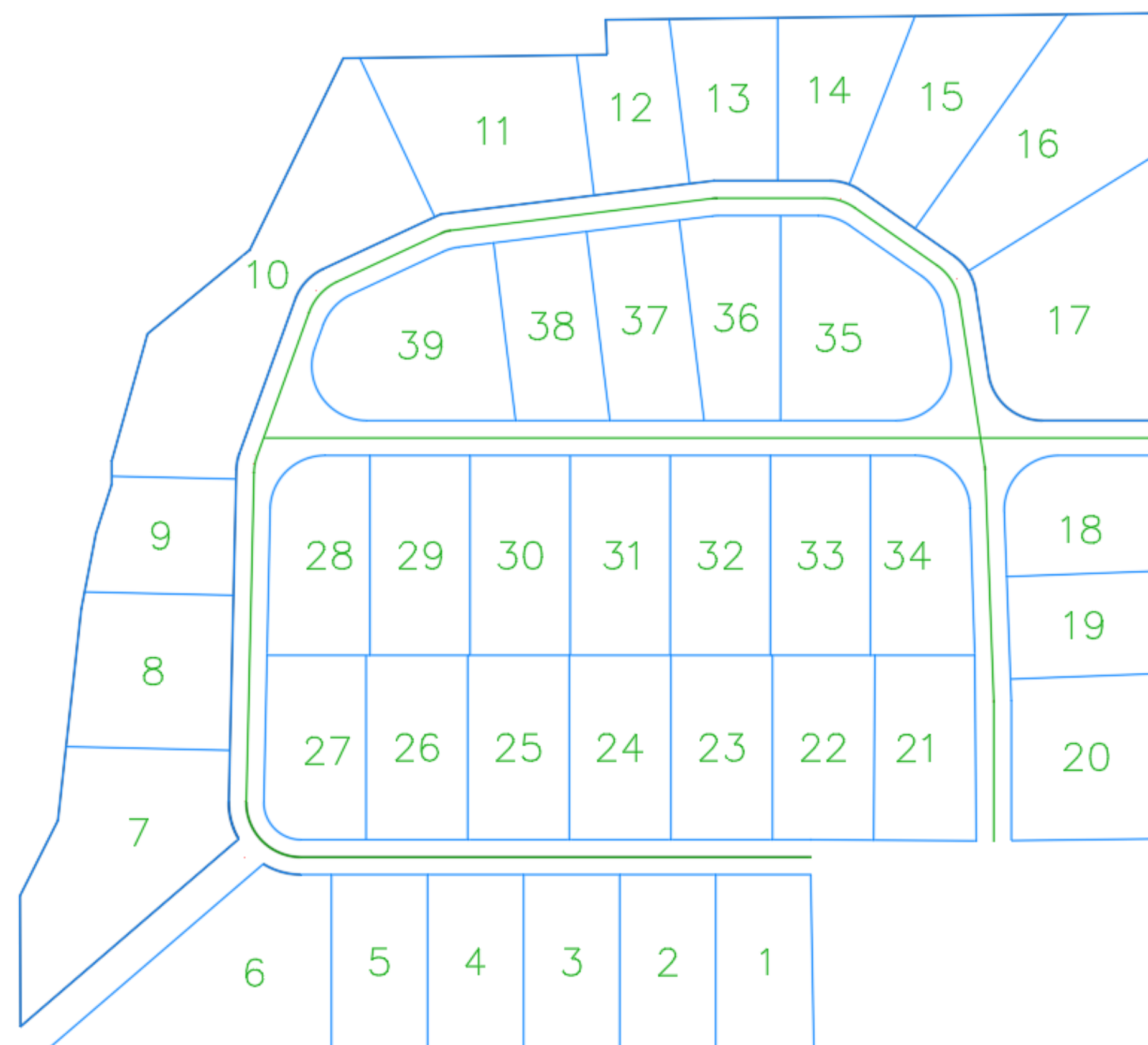


Figure 2. Civil 3D Rendering

Site Location

The project site is located South of West Mt. Pleasant Street, just East of the Deery Brothers car dealership.

sq ft	beds	baths	bays	width	depth
2309	4	2.5	2	40'	40'



Figure 4. Potential House for Site

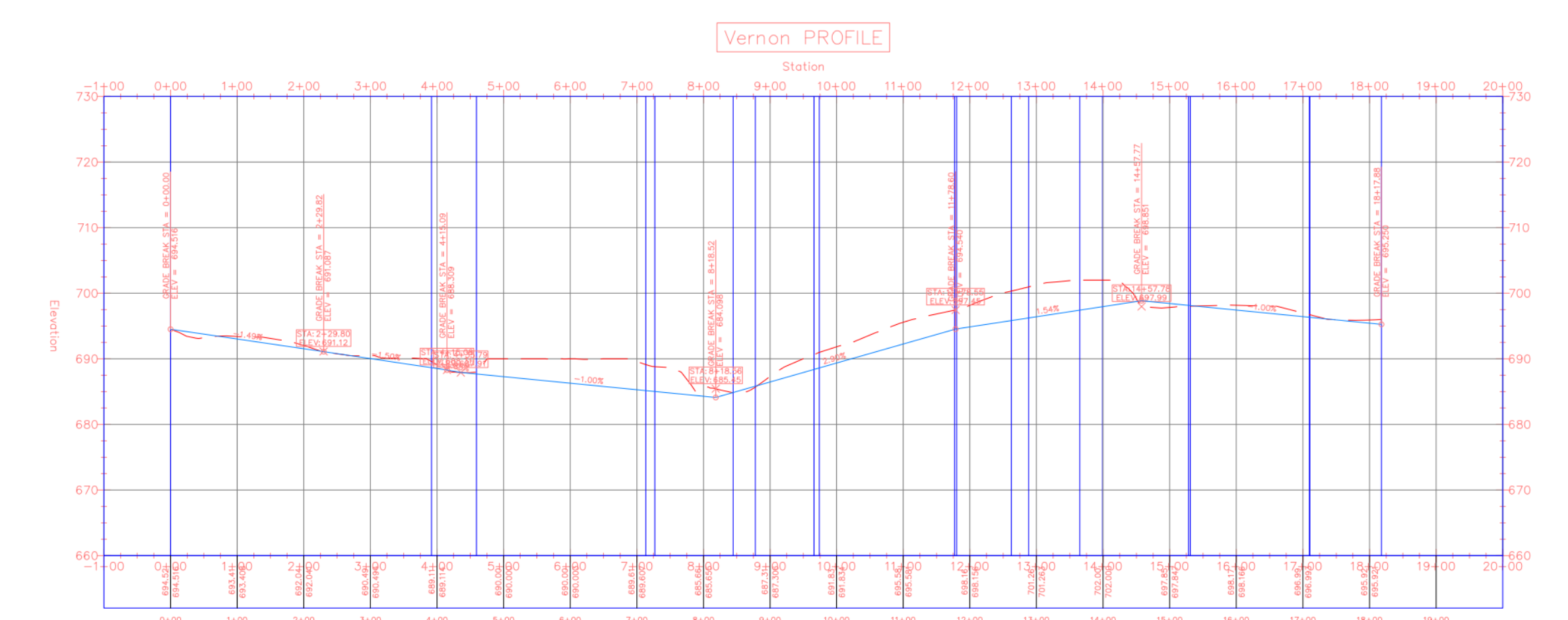
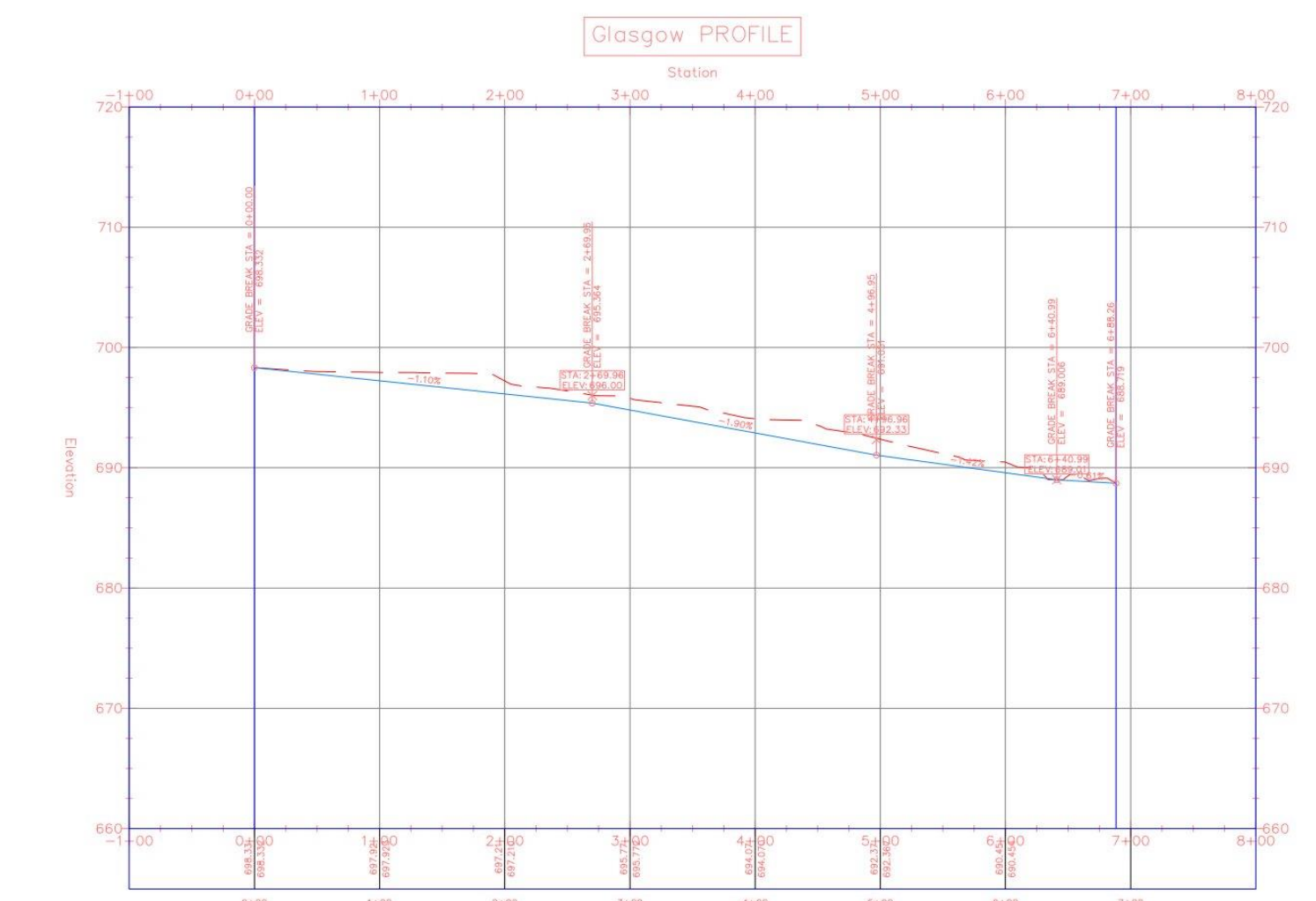


Figure 3. Road Design Cross-Sections

Conclusion

The final design of the site resulted in a total of thirty-eight lots of buildable land, with a pocket park. Figure 2 (above) shows the layout of these houses. Roads, utilities, and trails were designed following the appropriate guidelines.

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