

Southern Campus Expansion Project

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After reviewing numerous designs and ideas crafted during the Southern Campus Site Analysis (see submission of Etown Southern Campus Site Analysis for other concepts), I elected to continue with Concept Design 1 (Figure 1 Appendix). This design features the roadway extension of Cherry Street and College Hill Lane, adding ten additional independent living units for upperclassmen and graduate students, as well as the addition of shops and a playground at the southernmost portion. These proposed additions will be looked at more in depth below.

The roadway extensions on Cherry Street and College Hill Lane will have two 11 ft travel lanes, as well as 4 ft sidewalks on either end to meet ADA standards (Figure 3 Appendix). Additionally, a choice to use two roundabouts was made, each with 10 ft truck aprons to allow easier turns for large vehicles (Figure 2 Appendix). The use of roundabouts is more beneficial compared to a traditional intersection, as they reduce conflict points and promote easier street crossing for pedestrians. Lastly, they allow for the use of urban planning, allowing plants to be planted in the green space located at the center of each traffic circle to meet the nature aesthetic of the college. Along the north end of College Hill Lane is where the ten additional independent living units are proposed (Figure 4 Appendix). Each house will offer residency to four students. The roadway extensions allow for opportunities to add additional housing in the future, with room to fit up to ten more living units. This location was selected, as it offers the privacy of the trees in the surrounding area, as well as maintaining the closeness to the academic quad.

Following College Hill Lane southward leads visitors to the proposed Blue Jay Valley Shops, which offer 18 locations for college and private small businesses (Figure 5 Appendix). This location is in the valley, which is currently not in use by the college. This large space has the capabilities to bring in visitors to the college and boost revenue, acting similarly to Mt. Gretna Heights.

In the Appendix, Figure 6 shows a sample shop design for the proposed Blue Jay Valley Shops. The architecture strives to meet the vernacular of the college, utilizing a similar brick to which is seen on all of Etown's buildings. The use of wood accents and paneling, as well as a cabin style exterior, works well with the nature of the southern portion of Elizabethtown College's campus. There is also an ADA compliant ramp for all access, as well as a front porch and a back deck for outdoor use. This building can be utilized as a shop, restaurant, and can even be operated by a small local business. Lastly, the use of the iconic blue Adirondack chairs maintains the connection to the college. The next building,

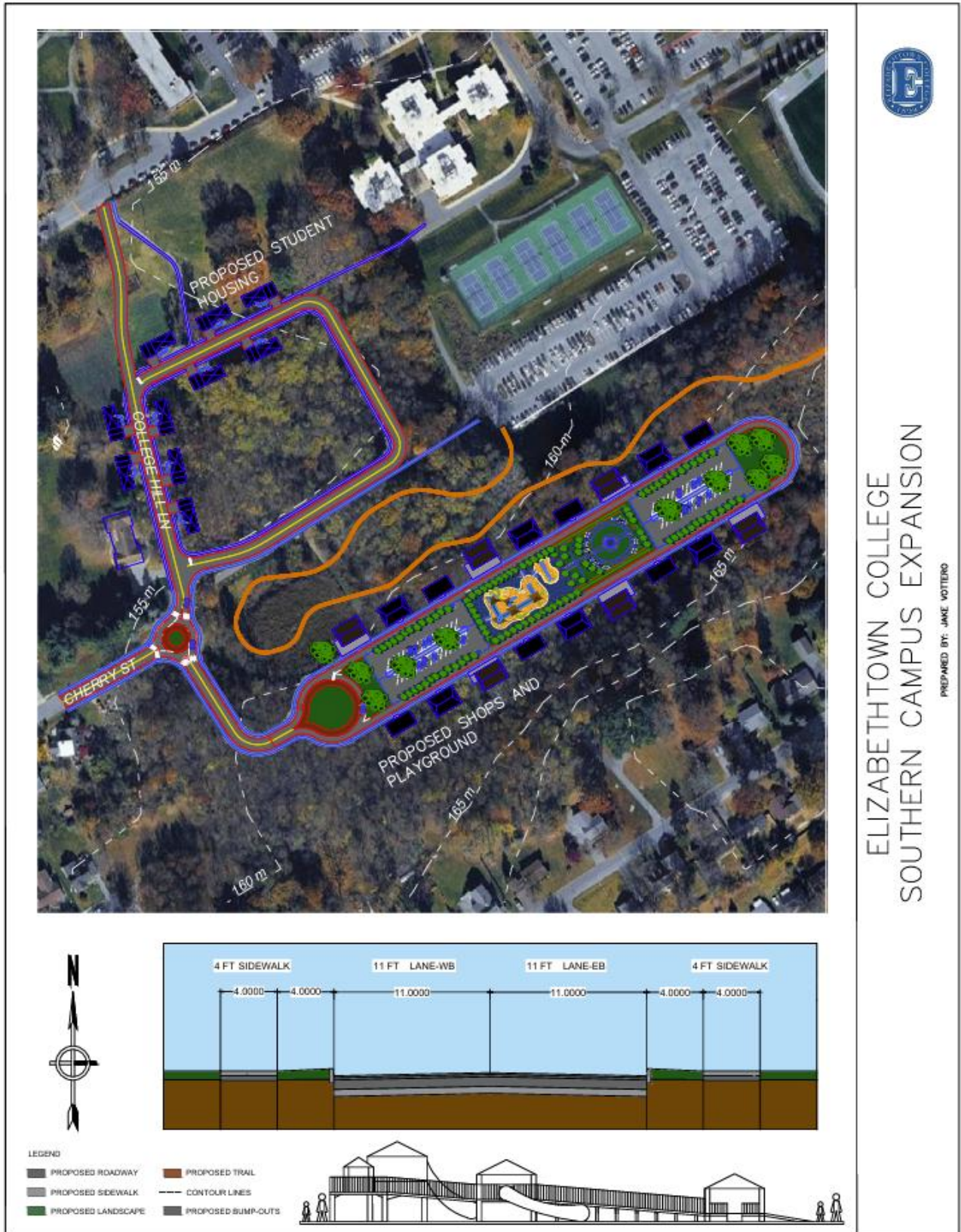
shown as Figure 7 in the Appendix, utilizes a green roof and was inspired by the Hobbit Holes found in the Lord of the Rings. The small building would be built into a slope, allowing a green roof to be built naturally within the terrain. It can act as a visitor's center, providing information about the various shops and maps for the trails.

To meet the need for parking caused by 18 additional shops to the area, two parking lots as well as individual parking at some buildings will maintain the high number of visitors (Figure 8 Appendix). The use of angled parking was selected to maximum the number of spaces and to make parking safer. The use of trees and shrubs was selected to reduce the bland feeling of large concrete and asphalt spaces.

With the Church of the Brethren Daycare down the street, and Masonic Village a mile away, the inclusion of a playground for children and a playground for the elderly is both an economic and a community decision. These will be placed between the various shops to work as a focal point for visitors (Figure 9 Appendix). The proposed playground for children meets ADA standards. The standards indicate that all ramps must not exceed 1 to 12 in vertical to horizontal ratio, they cannot be longer than 30 ft without a landing of at least 5 by 5 ft, and they also must be 3 ft or wider. The playground features 4 slides, 5 swings, as well as easy accessibility for children. Also, the choice was made to use rubber pour in place surface for its strength, as well as allowing easier movement for wheelchairs (Figure 10 Appendix). The playground is closed in a fenced area to provide safety. The side profile referenced in Figure 10 of the Appendix shows the playground in relation to a child and adult. The playground designed for the elderly or adults features numerous equipment, such as pull up bars, ellipticals, and stationary bikes (Figure 11 Appendix). The equipment surrounds a fountain in the center, which acts as a place to sit and for people to meet. The fountain combined with the walkways give the playground more of a park feeling, providing enjoyment for people of all ages.

The purpose of the Elizabethtown College Southern Campus Expansion Project is to utilize the existing land owned by the college to allow greater housing opportunities for students, while also strengthening the existing relationship with the area. The inclusion of housing for students can better provide living units for upperclassmen and graduate students. By adding numerous shops to the area, it will be able to bring in visitors. This can function both to increase revenue through shops, but also as a recruitment tool. Lastly, by adding a playground that meets ADA standards and is designed for children; while also having a component designed for the elderly and adults, a wide range of people will be able to enjoy the area. It can also work to bring in even more people to the shops. In conclusion, the Elizabethtown Southern Campus Expansion Project proposed would be an effective investment, benefiting students, the college, and the community.

Appendix: Concept Drawings and Building Designs



ELIZABETHTOWN COLLEGE
SOUTHERN CAMPUS EXPANSION

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Figure 1: Concept Map for Southern Campus Expansion



Figure 2: Proposed Roundabout between Cherry Street and College Hill Lane

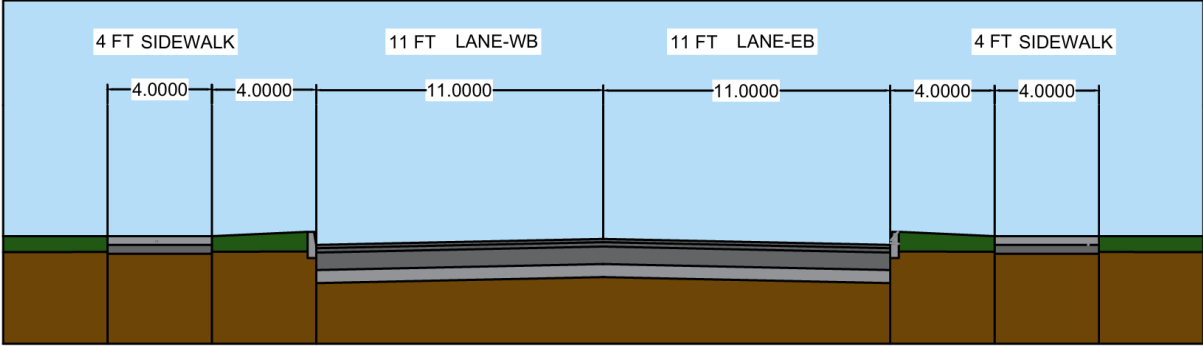


Figure 3: Roadway Section View

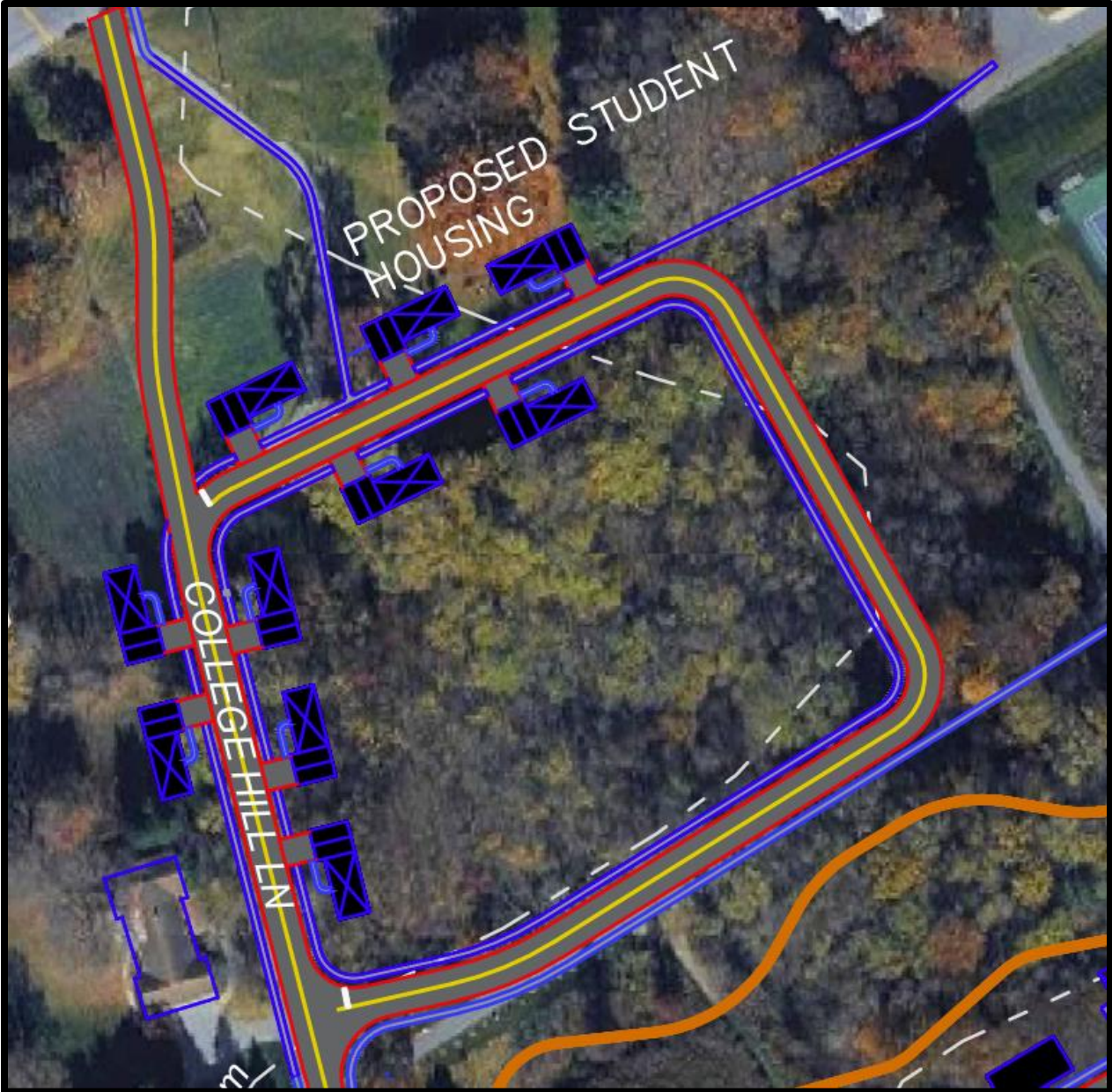


Figure 4: College Hill Lane Housing Project



Figure 5: Blue Jay Valley Shops Proposal



Figure 6: Shop Design 1



Figure 7: Shop Design 2



Figure 8: Overhead view of parking lot for Blue Jay Valley Shops

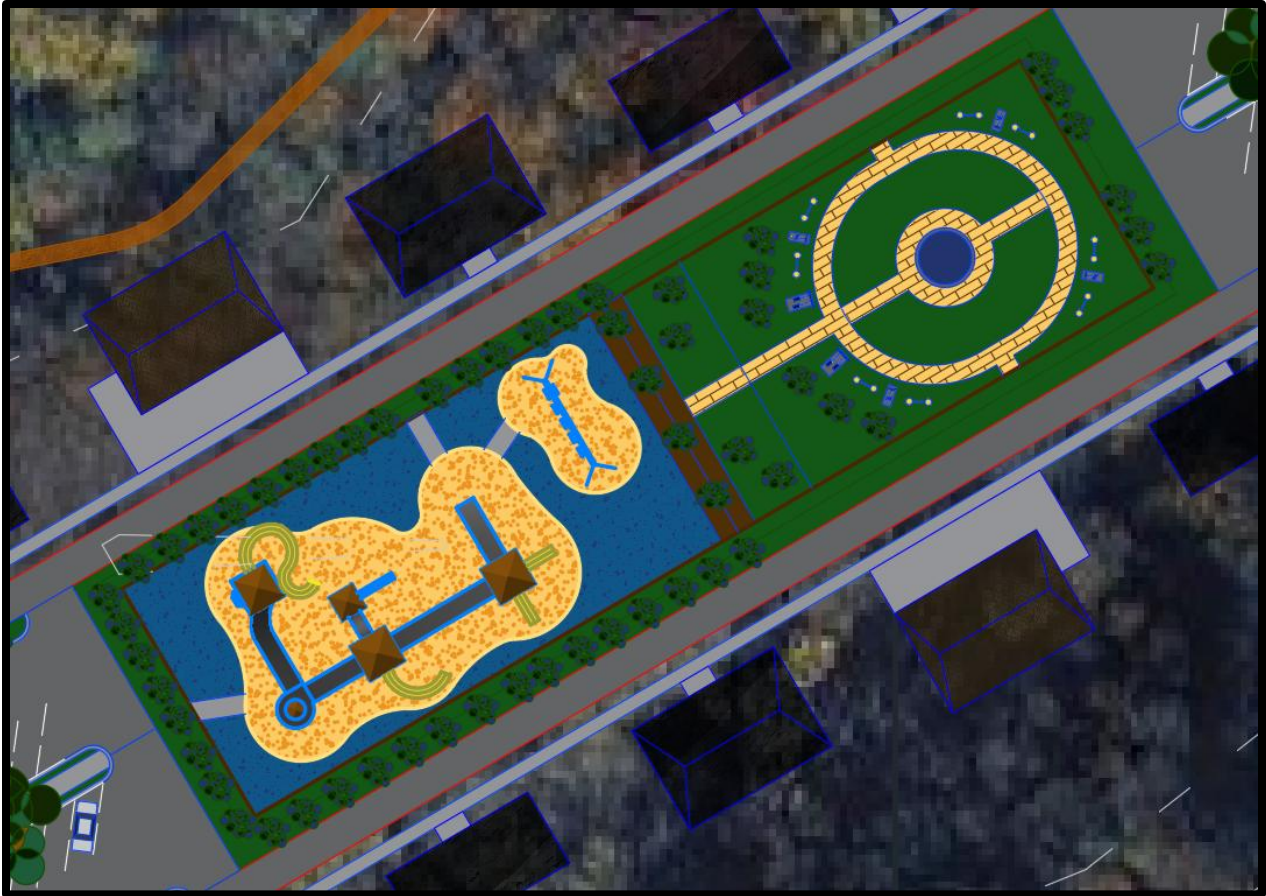


Figure 9: Playground component of Southern Campus Expansion Project

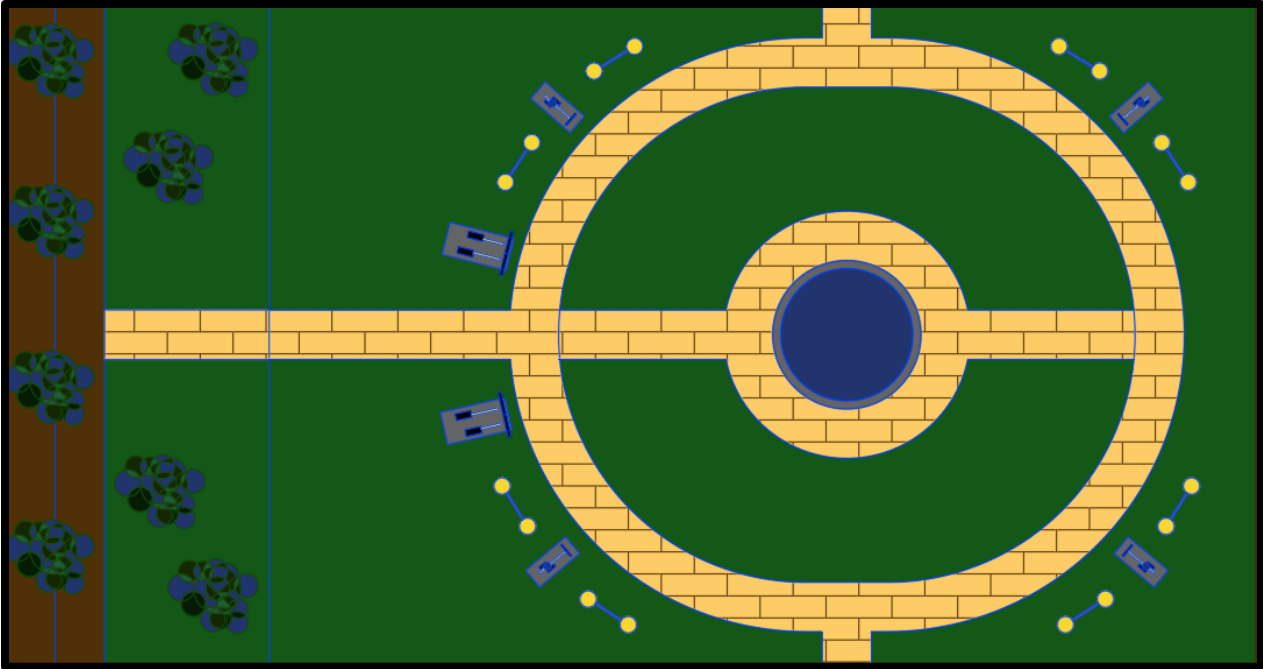


Figure 11: Elderly and Adult Playground Design