Still Creek Expansion Project
Brandon Flores | Melinda McClure | Mariah Turner | Daniel Zawadzki
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Purpose
Plan the land and building layouts for a Charter College preparatory which can accommodate up to 500 students and include all amenities of a high school, also known as their “City on a Hill” Project.

Background
Still Creek Ranch has served children and families either in residence or through outreach services. They accept children from all over Texas and around the world. Twenty-six children ages 8-18 grow up in a Christ-centered, structured environment. They also enjoy private Christian education and expanding their facilities will aid in their ability to accept more children and raise them in a healthy environment. Development of the “City on the Hill” will go a long way to expanding the reach and impact of the Still Creek Ranch organization.

Still Creek Ranch currently has 100 acres to be used for the purpose of creating a college preparatory. Their objective for the EPICS class was to create a master plan based on their “City on a Hill” dream. Their goal was to have the five main buildings on the highest point of the land plot, four dormitories on the downside in front of the highest land plot, and the lowest part of an extended water feature on the lowest grassy area.

Land Usage
- The highest point of the land plot is 1,145,700 sq. ft. and will have the five main buildings along with the athletic fields.
- The middle slope section is 500,000 sq. ft. and will include both the dorms and the parking lots.
- The lower section is 280,000 sq. ft.

Building Layouts and Amenities

Educational Building
- 48,750 sq. ft. building to cater to the classroom needs of the high school.
- Sixteen classrooms that can hold up to fifty students.
- Two lecture halls, four 2,000 sq. ft. laboratories, eight bathrooms, two staff rooms, study rooms and janitor’s closets.

Church & Administration Building
- 39,500 square foot building with offices, study rooms and a sanctuary that hold up to 800 people.
- Extra study rooms can be created by moving the back walls of the sanctuary.
- Sixteen offices that hold 1-2 people each.

Commons
- 50,000 sq. ft. building to sit in the middle of campus and provide amenities for students.
- 4,800 sq. ft. cafeteria with a dining area, kitchen, and serving area.
- 12,000 sq. ft. ballroom.
- Two 8,500 sq. ft. student lounge areas.
- One 12,000 ballroom to use for school dances, banquets and fundraising purposes.
- This area will be made up of three rectangular buildings that are connected by walkways and have a small courtyard in the middle.

Fine Arts Building
- 22,500 sq. ft. building to house theatre, band, orchestra, art and other creative mediums.
- 2,100 sq. ft. band hall with lockers, two offices, and instrument storage areas.
- 1,750 sq. ft. orchestra room.
- 7,500 sq. ft. theatre that can hold up to 700 people for plays, assemblies and concerts.

Gymnasium
- 20,000 Sq.Ft. building that includes a standard sized gym, bleachers that seat over 700 people, two locker rooms, coaches offices, concession stands, and equipment rooms.

Dormitories
- Four 30,000 sq. ft. dormitories that will stand three stories tall, two buildings for girls and two for boys.
- Each will include lounge areas, game rooms, administration areas, stairwells and a kitchen.
- Each building will house up to 112 people, including residence assistants, and will have two wheelchair accessible rooms.

Conclusion
Our final project included this poster, a land planning design, rendered building files, and a final report. We made considerable strides toward creating a master plan for the Still Creek Project. We started by planning the land, and determining the square footage of the individual buildings. We continued conducting research and planning what would be included inside each building. After sizing specifications were decided, Solid Works was utilized to transfer our work into computer-rendered images.

Future Work
Students who pursue this project in future semesters should conduct additional research and solicit the details of this project. They should also start looking into costs, budgets and possible materials to use.

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