



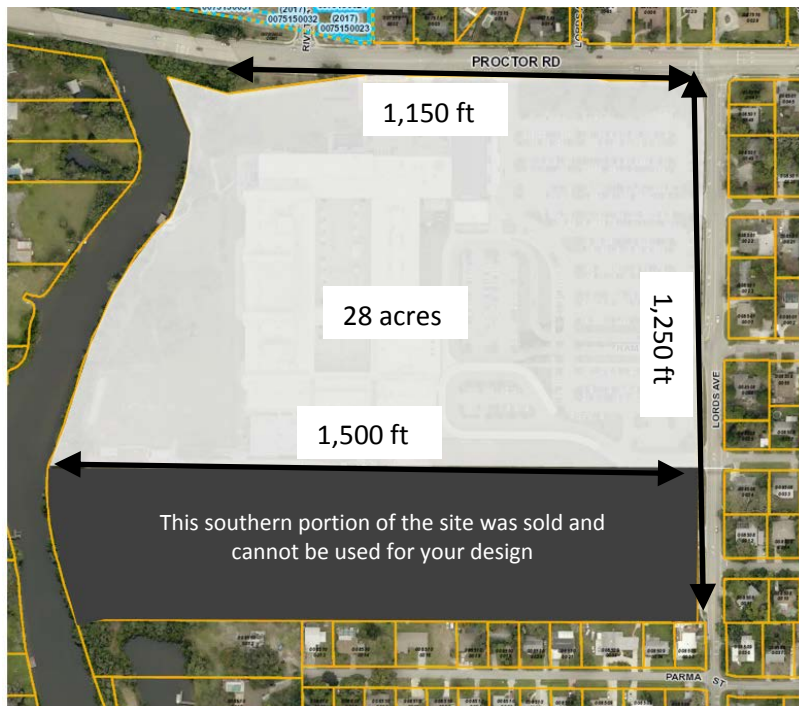
Design a sustainable, environmentally friendly, and secure “magnet” high school for 250 students that would expand the ability and desire of students to achieve their very best. A “magnet” school is a public school with specialized courses or curriculum. “Magnet” refers to how the school draws students from across the normal boundaries defined by school zones.

Central to any design should be the incorporation of elements that help foster the learning environment. Also keep in mind how your school and site relate to its surroundings and interactivity with the community.

For the purpose of this challenge, assume the parcel of land where Riverview currently sits is vacant, undeveloped land. You are not allowed to use the entire parcel for the school site. **A maximum of 25% of the parcel can be impervious space** (impervious area does not allow water to pass through, such as pavement and building area). You will donate the rest of the parcel to Sarasota County for community open space (park, playing fields, garden, etc.). You need to have a **conceptual idea for this remaining open space**.

Lastly, you must **incorporate a 12,960 SF, partial 2-story building into your design**. This building is a shell building – the first story is 72-ft x 120-ft and the second story is 72-ft x 60-ft.

\$7,500,000 has been budgeted for this project. This amount does not include your concept design for the remaining open space.



ACE Land Development Code:

Zoning:

- Must maintain a 30-ft building setback from all sides of the property
- Maximum building height is 35 feet
- Maximum 25% impervious area
 - The parcel is approximately 28 acres therefore maximum impervious area is 7 acres
- For every existing tree along Phillippi Creek that is removed, three new trees must be planted on site

Parking & Roadways:

- Parking
 - Minimum 1 space per 200 SF of building
 - Standard parking space dimension = 9-ft x 18-ft
 - Minimum 1 handicap space per every 6 parking spaces
 - Handicap parking space dimension = 12-ft x 18-ft
 - Minimum drive aisle width for one-way traffic is 12-ft
 - Minimum drive aisle width for two-way traffic is 24-ft
- You must have at least two entrances/exits to meet fire code

Interior:

- Minimum 1 bathroom per every 20 students
- Minimum 1 classroom per every 20 students
- Designs must include at a minimum:
 - Administrative Office
 - Dining/Cafeteria Space
 - Library/Media Room

Final Deliverables

1. **Create a design board.** If you are having ACE professionally print the board for you, it **must be 24"x36" in size.** Board must be clear, concise, complete, and well thought out with sufficient and compelling information to stand independently. Any drawings on the board should include a brief written explanation describing something about the context.
2. **Create and prepare a 5 minute PowerPoint presentation. Maximum of 5 slides (not including the cover slide).** All team members must speak during the presentation.
3. Be prepared to present a **15 minute presentation** at the banquet. You do not need to create a separate PowerPoint, but should expand on your ideas and answer questions from the judging panel.

***Refer to the Presentation Practice in weeks 9 & 12 of your handbook for more information.*



Above: Students presenting their projects during the design fair at the 2016 banquet
Below: 1st Place Company, Res Novae, Inc. presents their PowerPoint at the banquet

