CSU San Marcos Palm Canyon Drive Extension

Project Concept
Design and build a road extension between Palm Canyon Road and La Moree Road to provide accessibility to the south side of CSU San Marcos campus. Our plans will include two proposed building pads that will accommodate the University’s vision for future developments in the area.

Stormwater and Water Treatment
Design drainage structures to direct stormwater to appropriate locations. A vegetated swale will be utilized to capture and treat stormwater on-site. Open channel stormwater conveyance structures will direct water to appropriate locations.

Transportation
23,781 new trips generated for phase 3 campus developments. This means that La Moree road will provide 8% more trips. LOS in surrounding roads will decline by one level including Craven Dr., La Moree Rd., and Braham Dr.

Road Design
The two-way road will incorporate roundabout intersections, bike lanes, and sidewalks. The implementation of green infrastructure and vegetation that is local to the region along the side of the roadway will help to stabilize the climate and provide a living space for the wildlife. Utilizing the Public Road Standards for the county of San Diego, BoJack Engineering recommends a two lane road with a desing speed of 35mph.

Grading/Land Development
The site will require a large amounts of cut ranging from 0-200ft. Fill will also be required, ranging from 0-50 ft. There will be retaining walls in the vicinity of the building pad.

Construction
Cost Breakdown
- Clearing and Grubbing (0.27%)
- Site Demolition (0.084%)
- Site Earthwork (95.6%)
- Site Improvements (2.7%)
- Site Civil/Mechanical (0.56%)
- Site Electrical (0.77%)

BoJack Engineering and Construction