

Preconstruction Plan for Stairs at West Cerro Vista Apartments

at California Polytechnic State University,
San Luis Obispo



Existing Trail



Preliminary Design

Students at California Polytechnic University have created an unsafe trail down a hillside west of the Cerro Vista Apartment Complex on the university's campus. This heavily traveled trail is a shortcut to an existing pedestrian pathway which connects Village Drive to Poly Canyon Village, as well as the R-3 and R-4 Parking structures. The use of this trail raises alarm for potential safety concerns for students using it, especially during winter months when the hillside becomes very slippery. This paper outlines the design and preconstruction plan for the West Cerro Vista Stair Project, which proposes replacing the current trail with two independent stair ways. The scope of the preconstruction plan includes the preliminary design of the stairway, estimate of cost to construct, construction schedule, project cost forecast, site logistics plan, traffic control plan, risk hazard analysis, as well as a land acquisition and permitting plan. The purpose of this paper is to bring awareness of the safety concern with the existing trail, as well as provide a potential solution that may be continued into a final design phase and constructed in the proposed location.

Keywords: Preconstruction, Estimate, Design, Logistics, Plan

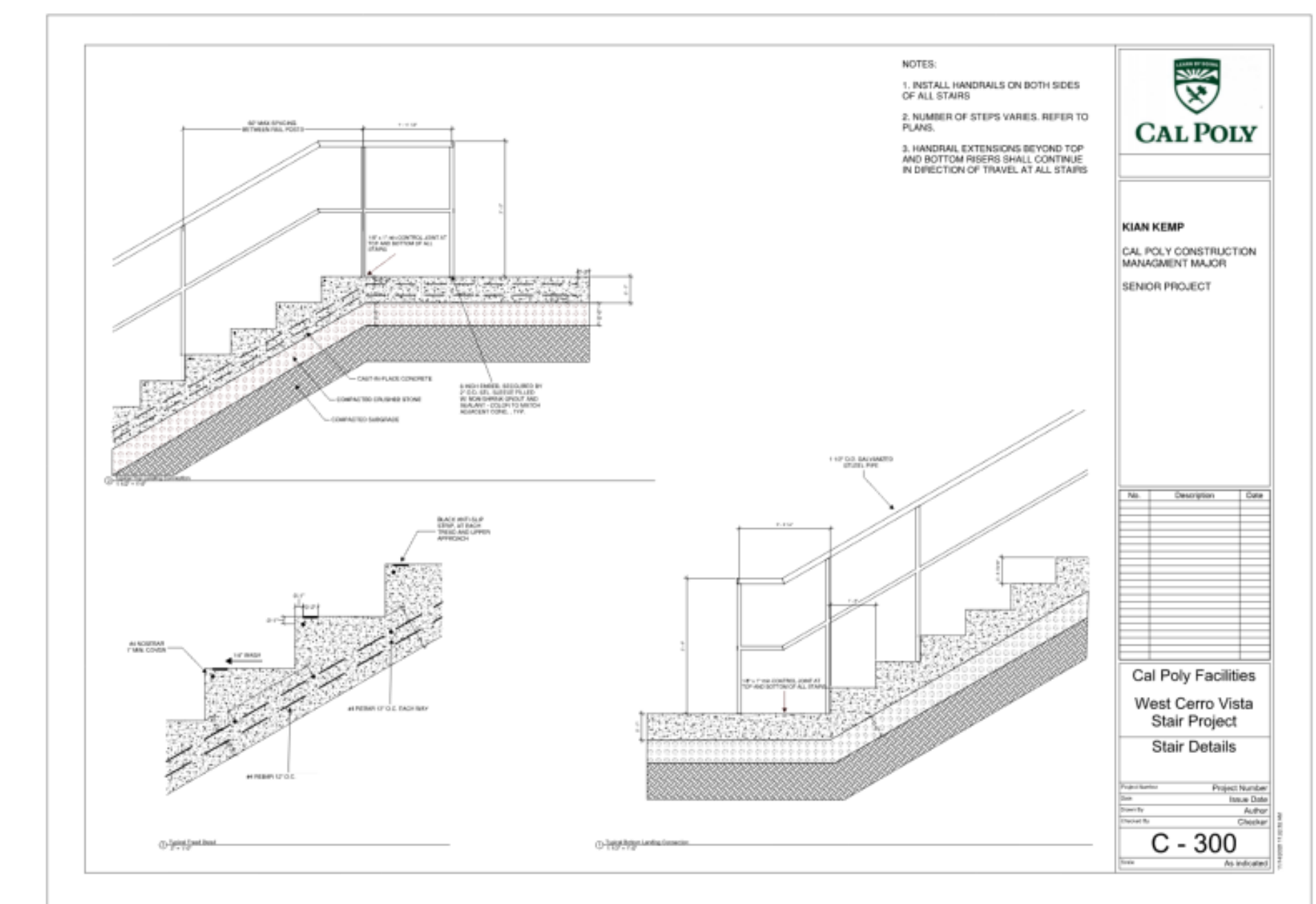
Deliverables

- Preliminary Design of Stairs
- Equipment and Material Takeoff
 - Labor Estimate
- Critical Path Schedule
- Cost Loaded Schedule
 - Site Logistics Plan
 - Traffic Control Plan
 - Risk Hazard Analysis
- Land Acquisition and Permit Plan

Project Location



Stair Details



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