



Sections & Details

- Preliminary Design
- Critical Path Schedule
- Equipment and Material Quantity Take-Off
- Initial Cost Estimate
- Site Logistics Plan
- Traffic Control Plan
- Risk Hazard Analysis

1 Typical Concrete Pathway Section
Not to scale. Reference dimensions.

Labels: 1-1/2" Dia. Circular HSS Pipe Hand Rail, 4"x4" Concrete Curb (ADA Edge Protection), ADA Concrete Walkway.

NOTE: STRUCTURAL DEPTHS AND HSS PIPE HAND RAIL SPECS SHALL BE VERIFIED AND APPROVED BY STRUCTURAL ENGINEER BEFORE COMMENCEMENT OF WORK. MUST MEET ADA COMPLIANCE STANDARDS.

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Risk Hazard Analysis



LEGEND

- Existing Path
- Existing Tree/ Root bed
- Proposed Path
- Infiltration Basin

Match existing grade

No Work Zone

Protect in place. Match existing grade

5'-8"

5'-8"

30'-0"

30'-0"

42'-0"

5'-8"

5'-8"

12'-4"

Match existing grade

ROUGH ESTIMATION.
DIMENSIONS NOT TO SCALE.

50 ft

1 Tight Project Schedule
A) High Impact, High Probability
B) Avoid re-work and be prompt with submittals, RFIs, and subcontractor correspondences

2 Site Protection from students trespassing due to the project location being on an active campus
A) Medium Impact, Medium Probability
B) Have a properly gated site with pad locks, and excessive signage saying "No Trespassing" and "No Unauthorized Access." Provide site lighting with generators after hours due to summer SLO days (Elevated volume of student pedestrian traffic on campus)

3 Lack of specialized and skilled Laborers due to the nature of being a senior project and laborers would be students
A) High Impact, High Probability
B) Review daily proposed work and allocate a daily specific task to each laborer, making sure they explain their own understanding of the work required for them such as how they will complete the work, and to what quality standard they are to perform.

4 Bad weather causing schedule delays
A) Medium Impact, Very Low Probability
B) Work would be required to be completed over summer so most likely wouldn't be a concern. Due to the tight schedule, if weather delay occurred, pick up work on a weekend to make up this day in the schedule.

5 Ability to perform work without re-work due to the completeness of design
A) High Impact, Low Probability
B) This is a very high probability with the preliminary design that I have provided. My assumption is that this project will be passed off to an engineer to formulate the rest of the design and provide a complete design with a geotechnical report and with USA's consideration which would then make this a low probability of happening.

6 Site safety due to busy, compacted site
A) High Impact, Medium Probability
B) Conduct daily safety meetings before commencement of work and confirm that all site personnel are aware of the work to be completed, the equipment being used on site that day, and precautionary safety measures associated with the daily work and equipment.

Impact on Schedule/Cost	High	5 6	3 1
	Low	4	2
		Low	High
		Probability	

Sean R. Stratton
California Polytechnic State University, San Luis Obispo
srstratt@calpoly.edu