

United Methodist Childrens Center Drain Renovation

Ethan Lin

Client



Abstract: For my senior project I wanted to find a way to give back to the San Luis Obispo Community and learn more about the building process and the communication, planning, and problem solving involved. To do this I wanted to take on and run a concrete project. The United Methodist Childrens Center has had the issue of children tripping and hurting themselves due to the bumps and dips of the drain outside Schweitzer Hall. After speaking to teachers and staff we decided the problem was severe enough to require renovation of the drain. I did this project with Andy Abdelnour and while I contributed significantly to the actual construction of the work, my main role was the planning, scheduling, and owner relations for the project. After many hours of planning, equipment acquisition, and coordination, we were able to begin construction and finish the job on Presidents Day. We also received help from Dan Knight, Henry Miller, and Sam McClintock. The project included demolition of the existing drain, rebar, formwork, and thanks to Cal Portland, a new drain. We also were assisted with a pump from Paul's Concrete pumping. The project helped Andy and I gain knowledge and experience regarding construction challenges, cost changes, concrete, and construction planning.

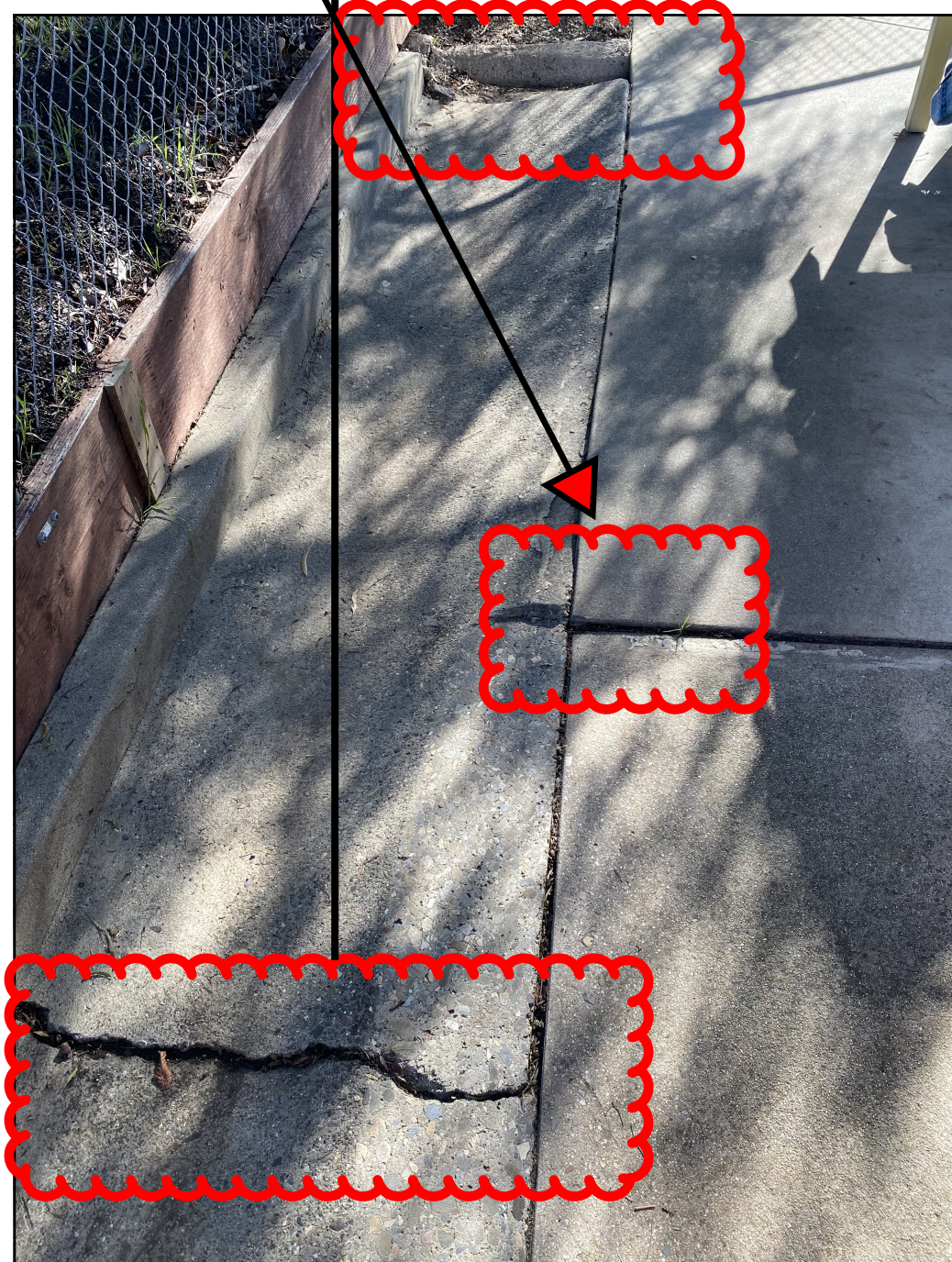
Support



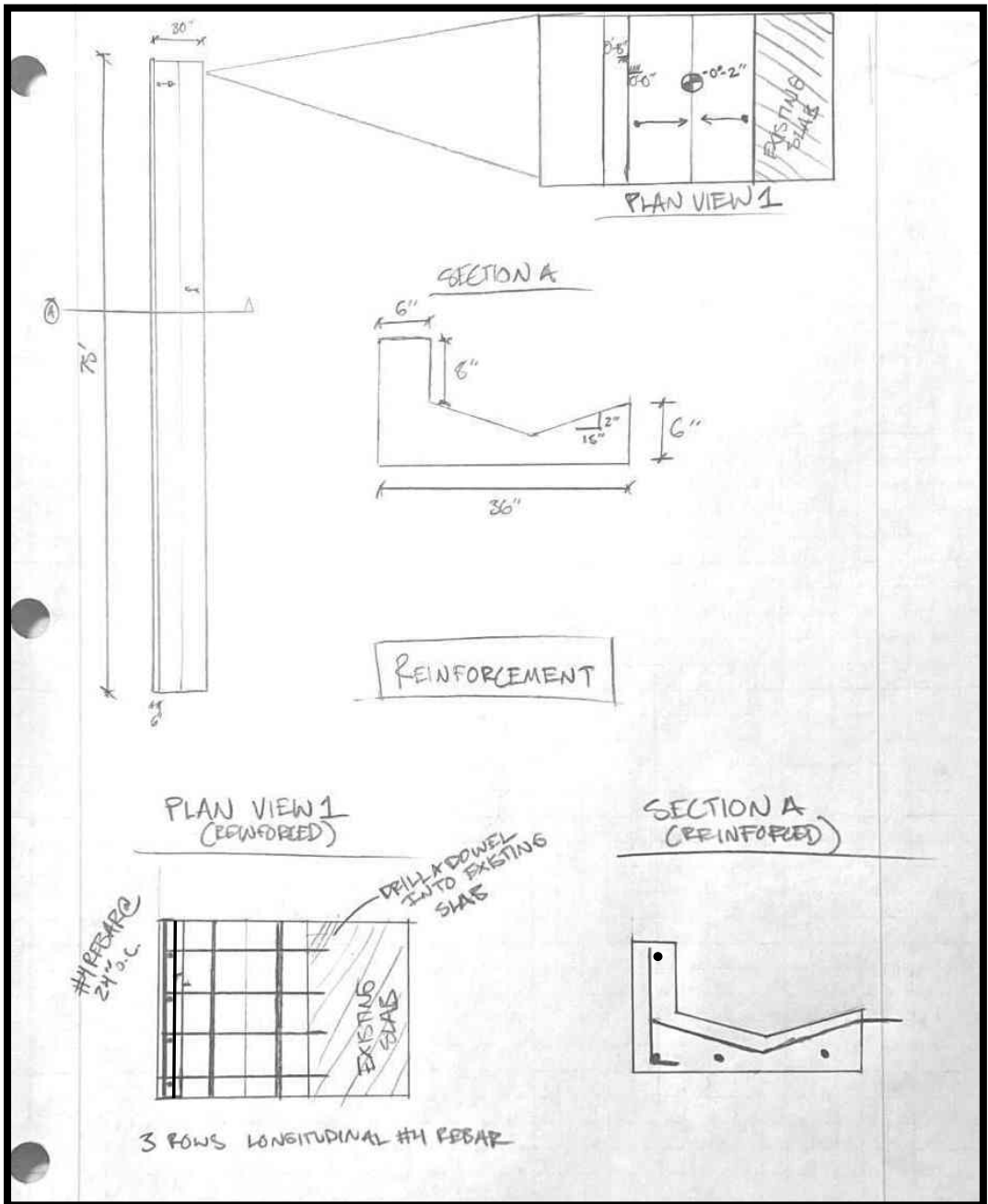
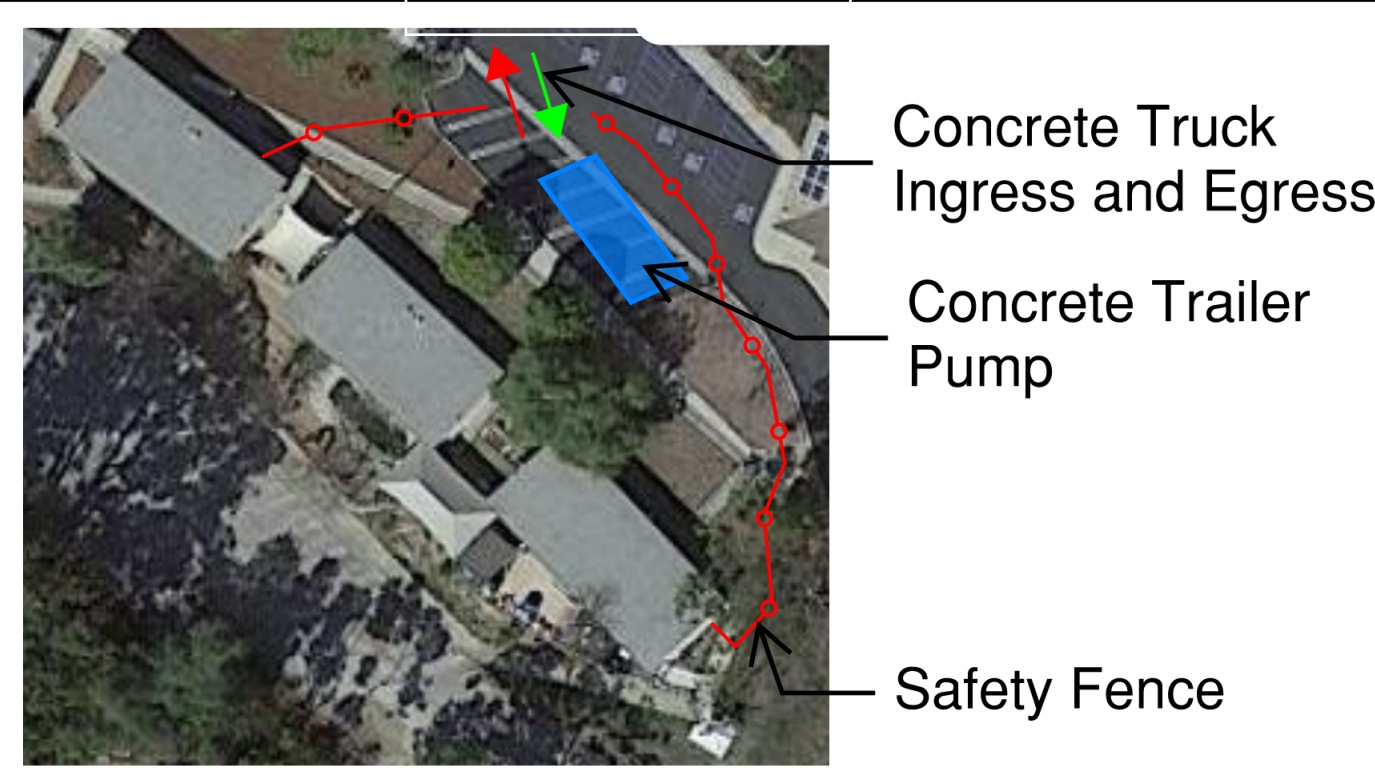
Key Words: Concrete, Community, Hazard Prevention, Demolition, Drain

Problem

Children were falling on the trip hazards



Solution



Execution



Final product



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