

# Starting the Road to Recovery at Washington Hospital

By Josh Garcia



The Composite Central Plant Projects (CCPP) for Client Washington Hospital of Fremont have started out strong, and five-months into the \$115-million project the team is building momentum and aggressively pushing the cost-loaded schedule. To the satisfaction of the Client, the preconstruction team has worked effectively on constructibility issues and performed thorough investigations of the hospital's underground utilities to insure an aggressive start, while maintaining the hospital's operations.

## Scope of Work & Progress

The project consists of a 37,134-square-foot Central Utility Plant that will better service the existing hospital power/utility needs, along with future expansions. The 34,436-square-foot triangular shaped Center for Joint Replacement (CJR) will be a complimentary modern, pre and post surgery bed facility. It will have a rehabilitative amphitheatre with walk paths, inclusive of varying surfaces and slopes, to aid in the process of recovery. The CJR is being built for Orthopedic Surgeon Dr. John Dearborn, one of the premier Hip and Knee replacement specialist in the world. The CCPP Project also includes a new loading dock and an underground passageway for providing both utilities to the existing hospital and to future expansions, as well as a route to transport laundry to and from the hospital. The project's modern design by Fong & Chan Architects provides a level of sophistication and style rare in healthcare settings.

Currently construction is progressing through the central plant, underground passageway and the loading dock foundations. The close proximity to the existing hospital and the presence of the Hayward fault line demanded robust foundations consisting of drilled piers, pile caps and grade beams. The depth of the basement levels being approximately 25-feet,

required a shoring design that consists of 200 drilled solder piles with an average depth of 30-feet, bordered with 30,000-square-feet of lagging. To date, the team has installed all the shoring and drilled piers complete and is on track to pour the grade beams and pile caps on schedule.

## Keeping Innovative & Green

Swinerton is utilizing the most current technological tools the market has to offer on the CCPP, which are coordinated with 3D modeling. The models allow the team to eliminate conflicts and clashes in the design documents well before hitting the field with manpower and materials. In keeping with Swinerton's Sustainability Initiative the team has made huge effort to go paperless. The entire project's submittals, RFIs, daily reports and inspection documents are performed using EADOC software. Contractors can work from their offices, upload drawings and submit them to Swinerton within a few short minutes. The project even has a flat screen television in the plan room where one can review drawings in actual page size. Going paperless also impacts the way subcontractor's fill out inspection requests and RFIs, requiring field personnel to be brought in and taught how to use the plan room computer.

*Congratulations to the Project Team for a great start, which consists of 20 staff members, including partner William P. Young who is self-performing all the concrete on the project.*



*Additional Photos on Following Pages*



