**UCSD THURGOOD MARSHALL UNDERGRAD HOUSING**

**Project Site**

**Meet the Project Team**

**Project Team Organization**

**Project Objective**

To accomplish the goal of design and construction in compliance with the requirements of the Project: **UCSD Thurgood Marshall Undergraduate Housing**. It is the responsibility of our project team to provide the Design-Build services necessary and ensure collaboration and cooperation with UCSD and The Board of Trustees.

"The collaborative culture at Poseidon Engineering is a key driver in delivering desired outcomes because it allows our project participants to have a level of trust and cooperation among the team. It is a standard of our work environment to have open and frequent communication." - Marielle McMullen Project Manager

**Project Design & Construction Approach**

- **01 HIGH QUALITY DESIGN & CONSTRUCTION**
  - Constructability reviews
  - Early design assistance (incl. cost estimating & scheduling)
  - Structural analysis for foundation design & building steel
  - Adherence to UC guidelines, owner expectations, & HFP requirements

- **02 SUSTAINABILITY IMPLEMENTATION**
  - Waste and Wastewater surveys
  - Development of Storm Water Quality Management Plan (SWQMP)

- **03 ON TIME & WITHIN BUDGET**
  - Last Planner System and implementation of LEAN
  - Communication quality control and management of General Project Planning and Proposed Schedules
  - Weekly meetings to improve budget costs & schedule, along with cost and schedule risks

- **04 COLLABORATIVE TEAMWORK**
  - Open communication among all levels of the project team
  - Active communication and cooperation with the owner
  - Prequalification plan/procure for subcontractor trade packages
  - The right people for the job, also bring the right people for the job
  - Trade specific kick-off meetings

- **05 COMMITMENT TO SAFETY**
  - Required specific on-site safety training for all personnel
  - Implementation of public safety controls (e.g. dust screen fencing, safety cones, protected walkways)
  - Frequent identification of job hazards related to construction work scope
  - Environmental Safety SOPs

**Risk Limitations**

- Site Utilities & I-tenant Site Conditions
- Public Safety on an occupied campus
- Environmental impacts & Permitting existing site landscape
- Potential impacts to water and wastewater
- Natural infiltration rate of stormwater capture

**Impact**

- Obtain as-built/prevision drawings of site utilities & site conditions
- Perform detailed site conditions analysis to support design
- Communicate and coordinate with UCSD campus to
  - Ensure project access
  - Determine construction day/night & delivery/ haul plan
  - Determine site logistics & site utilization plan
  - Determine cost and schedule

**Strategy/Solution Approach**

- Adhering to UCSD Site Plan/permit
- Avoiding impacts on development
- Reimbursement improvements
- Include water and sewer studies to calculate demand for new systems
- Use studies and calculations to prepare recommendations and safety factors for new capacity increase
- Develop effective means of capture
- Develop effective means of storage within an underground storage tank