Martin Concrete Construction

LESSONS LEARNED

COMPLETED BY:	DATE PREPARED:
Rick Galloway	07/08/2022
PROJECT NAME:	**SUBJECT:**
Infinite Energy Center	Footing Steps Details

LESSON LEARNED :

Understand details and what impacts they have on safety, constructibility, scheduling, and budget.

LESSON LEARNED CORRECTIVE ACTION & PICTURES:

Footing steps often are only shown in plan with top of footing elevations given and a few notes. Estimators and project managers need to understand what this information means, and how this means the footings will have to be constructed, in order to have costs covered and plan appropriately.

1. Are there any safety issues due to the depth of the excavation, soil type, subsurface utilities, or impalement hazards?
2. How will the footing have to be excavated and what kind of equipment is required? Where will the spoils go?
3. What form-work is needed and how much labor is needed to build it and strip it?
4. Is a mud seal required, or other considerations, to protect the open excavation from weather?
5. Is reinforcing (material, supports, and labor to place) properly accounted for?
6. Is a pump or other conveyance needed to place the concrete?
7. Is there enough time in the schedule to execute the work?

The pictures attached show the complexity of constructing foundations that have a dramatic elevation change.

Without full understanding of what details on the drawings are communicating, unaccounted for material, labor, and equipment costs can cause dramatic budget busts.

Jul 2, 2020 1:07:47 PM
Unnamed Road
Duluth
Gwinnett County
Georgia

Jul 6, 2020 1:12
6400 Sugarloaf Pa
Gwinnett C