

Project Status Report: CEE-2018CPST-008

Report Date: 12 November 2018

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Project Title: Kiewit North Carolina LNG Storage Facility Geotech Evaluation

1) Summary of technical/non-technical challenges encountered

- Confusion on standard widths and depths of strip footings.
- Finding bearing capacities.

2) Team approaches & resolutions to overcome challenges

- Solved for bearing capacities.

3) Status of challenge resolutions & potential project impact

- We have allowable bearing pressures for the worst case scenario, but we are unsure if our estimate is too conservative or not. What is standard practice?
- Without resolving this issue, we may over-design, causing an overestimate of expense.

4) Project status & summary

- We have preliminary values for bearing capacity.
- Further research will have to be done on standard footing dimensions and consolidation considerations.