
PORT KC
WOODSWETHER TERMINAL
BRIDGING SLAB CONTRACTOR QUESTIONS & ANSWERS
October 07, 2016

Questions 1-8 were previously answered and provided to all contractors.

Questions and Answers Continued:

9. The Geotechnical Report prepared by Geotechnology provides two differing criteria for the auger cast piles: piles can bear on a dense sand layer near a depth of 65 feet, or, bear on competent rock below a depth of 90 feet. This is a significant difference. Please provide the design loads for the piling. In addition, what criteria will govern auger pile installation?
- The piles must extend to refusal in accordance with Specification Section 31 63 16, Foundation Piling (Pressure Grouted Piles):
3.03 PILE PENETRATION:
A. Pile tips shall extend to practical refusal of the drilling tool. Practical refusal is defined as a penetration rate of less than 3 inches per minute under full weight of drill head and auger at maximum torque of hard surfaced bits designed for drilling soft rock. Anticipated pile lengths are indicated.
 - As shown on the Bridging Slab Excavation Detail, the proposed top of rail elevation is 754.34' and piles are specified to be extended to a refusal depth estimated at 663'. Therefore, the specified pile depth exceeds 90 feet, and piles should be installed in accordance with the plans and specifications.