



Site Observation

Alpha Omega Geotech, Inc
1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:
Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:
230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Date: 08/29/2024

Inspector: Steve Usnick, P.E.

OBSERVATIONS

Location: Test pits placed adjacent to footings on the north dock wall.

Report Narrative:

I went to the site to observe test pits on the north side of the building. During construction, this footing bearing conditions were not inspected prior to placement of reinforcing steel and concrete.

Four test pits were made at roughly equal spacing along the north side of the building. The test pits revealed mixed bearing conditions over the length of footing. Unweathered and weathered limestone with abundant clay seams were found in the western half, becoming stiff clay going to the east. The clay soil is stiff and pocket penetration tests were well in excess of the required 2500 psf.

The existence of mixed bearing conditions, i.e., clay soil and limestone in various states of weathering can potentially cause point loading and cracking of concrete over time. Considering the general bearing capacity of materials found in the test pits, if differential settlement does occur, it could be more than the estimate given in the geotechnical report; however, total settlement is not expected to be excessive. The dock should remain serviceable.

Discrepancy: No