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Customer

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Construction Manager

Levine Builders

Developer

Douglaston Development's

Electrical Contractor

Polo Electric Corporation

PROJECT:

316 11th Avenue

Pile Placement Verification Study

Project Overview

Levine Builders is the construction manager for this new 369-unit luxury residential rental building located on 11th Avenue and 30th Street in the special West Chelsea District, High Line Transfer Corridor.

Theometrics was asked to participate in the verification of pile placement at this site.

Scope

3D Pile Deviation Study: Theometrics was called upon to conduct a 3D Pile Deviation study of the pile placement at 316 Eleventh Avenue. Our team captured the location of each pile that was already in place as well as all survey reference already established on site.

The data was automatically drawn directly into CAD on site, the drawing was then aligned to the engineering drawing that represented the proposed pile placement. The Theometrics system made it possible to visually and measurably compare the actual pile placement to the proposed pile placement in



Results

Alteration of pile cap geometry to compensate for actual pile placement is a critical structural issue that can now be addressed on the scene in the field while construction is underway. The results are greater accuracy, increased production, reduced construction cycle time and instantaneous CAD documentation.

