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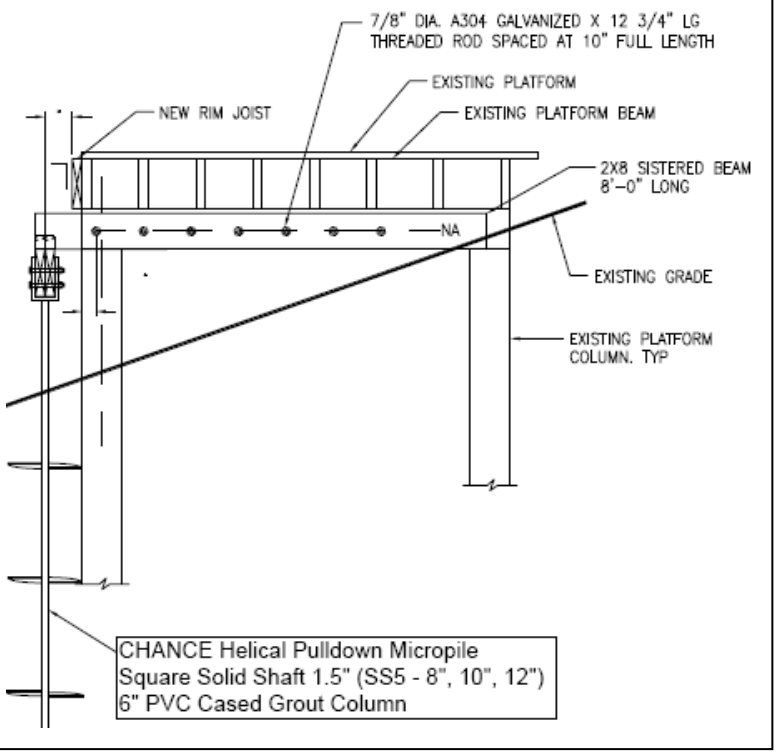
Some Things are Better Left to Chance™
CHANCE | ATLAS

DANBRO CASE HISTORY:
Highland Avenue SEPTA Station
Wilmington Line Platform Repairs
Philadelphia, PA

SEPTA
Southeastern Pennsylvania Transportation Authority
Serving Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties

OBJECTIVE:

To construct a new foundation system for the platform timber beams to bear on. The outside steel columns are supported on sonotubes foundations. They were settling and causing the platform to fail.



REPAIR:

Install CHANCE Helical Pulldown Micropiles to an acceptable bearing stratum. Then attached a timber beam seat bracket to the pile. The beam bearing on the pile will support a sistered beam which supports the platform.

CHANCE Helical Pile:

- # of Piles = 13
- SS5 with 8", 10" & 12"
- 6" PVC Cased Grout Columns
- Design Load = 10 KIPS
- Max Spacing = 10'
- Torque Req'd = 2000 FT-LBS
- Length = 19' – 24'

Installer:

Chuck led the Audubon installation team and *completed the project in one day!* The issues faced were complying with SEPTA and AMTRAK's safety training and over head power lines. Also, the gradient of the hill added a bit more of a challenge. Chuck stated that the project overall was great success and gained Audubon experience working near vibration sensitive railroad tracks.

Author:

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