



Florida Department of Transportation

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STRUCTURES DESIGN BULLETIN 14-01

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DATE: January 21, 2014

TO: District Directors of Operations, District Directors of Production, District Design Engineers, District Construction Engineers, District Geotechnical Engineers, District Structures Design Engineers

FROM: Robert V. Robertson, P. E., State Structures Design Engineer

COPIES: Brian Blanchard, Tom Byron, Duane Brautigam, David Sadler, Jeffrey Ger (FHWA)

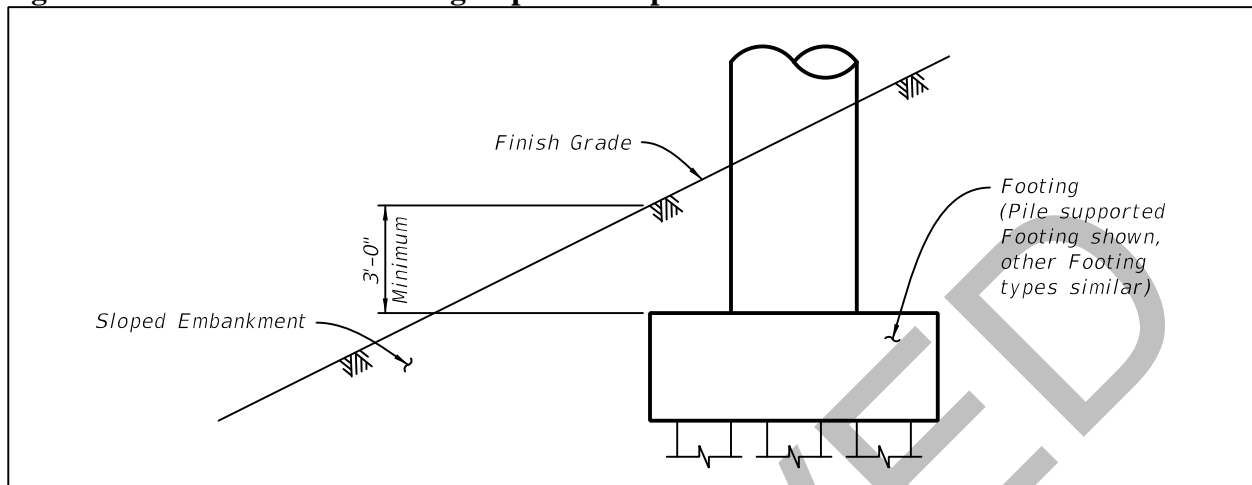
SUBJECT: Buried Footings for Land Piers

This bulletin implements new *Structures Design Guidelines* language that emphasizes the current policy on the use of buried footings for land piers.

REQUIREMENTS

1. Add the following new paragraph and figure to *Structures Design Guidelines* 3.11.2:
 - C. Completely bury all spread, pile supported or drilled shaft supported footings, grade beams and other similar components used for land piers. Provide a minimum of three feet from the finish grade to the top of the footing. Provide this minimum embedment for footings buried in sloped embankments as shown in Figure 3.11.2-1. Mounding of fill above the adjacent finish grade so as to bury a footing is not permitted.

Figure 3.11.2-1 Minimum Footing Depth on Sloped Embankments



2. Add the following new paragraph to *Structures Design Guidelines* 3.11.5:
 - D. If a tension tie is used between columns or column footings, completely bury the tension tie and provide a minimum of three feet from the finish grade to the top of the tension tie.
3. Delete *Structures Detailing Manual* 13.5.G and insert the following:
 - G. Footing depths below the finish grade.
4. Delete *Structures Detailing Manual* Figure 13.5-4.

IMPLEMENTATION

This is a clarification of existing policy valid for all projects and as such no changes in projects are anticipated.

CONTACT

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