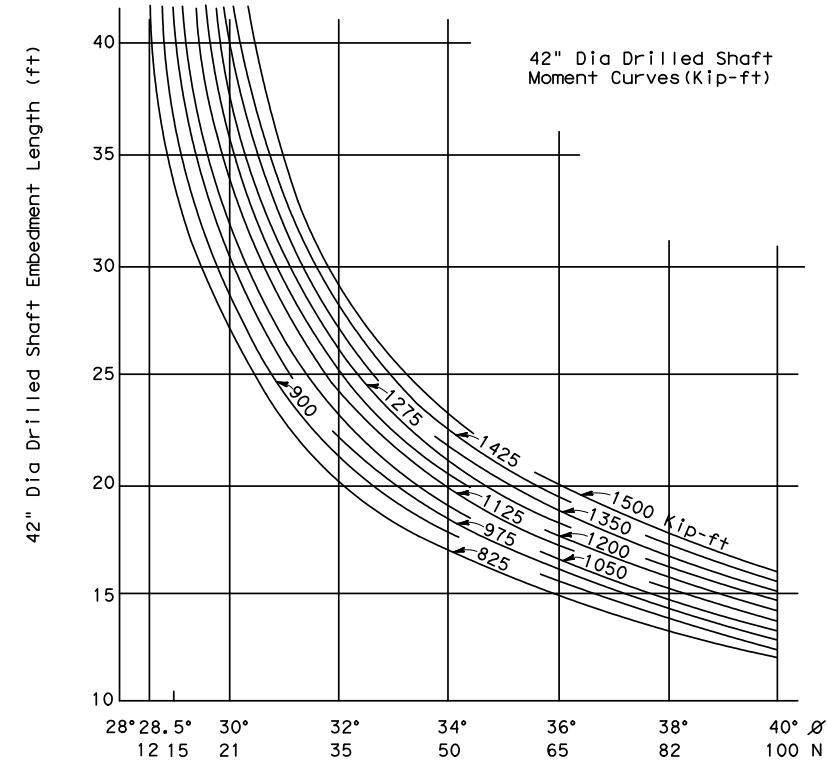
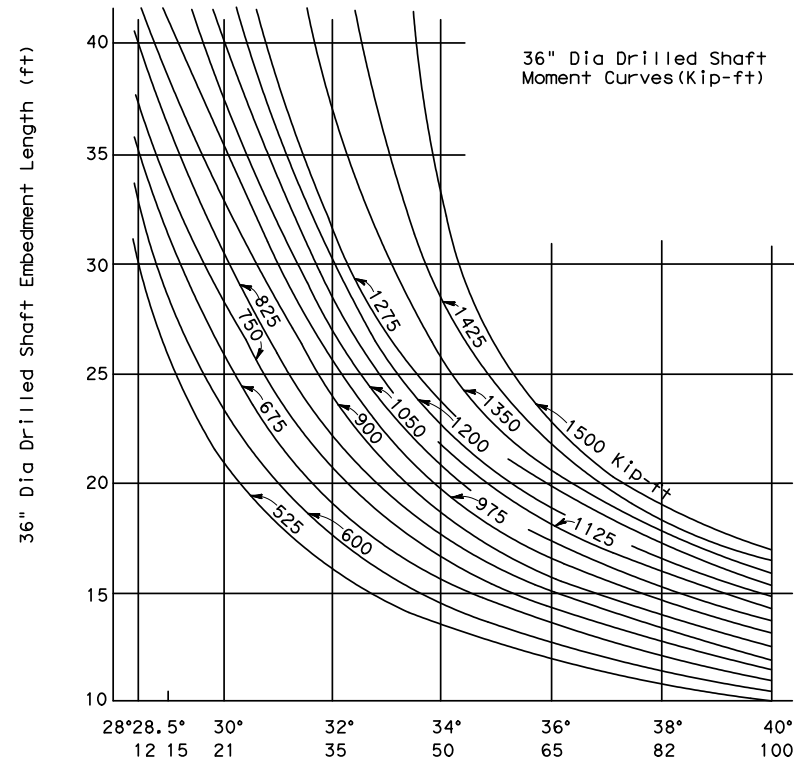
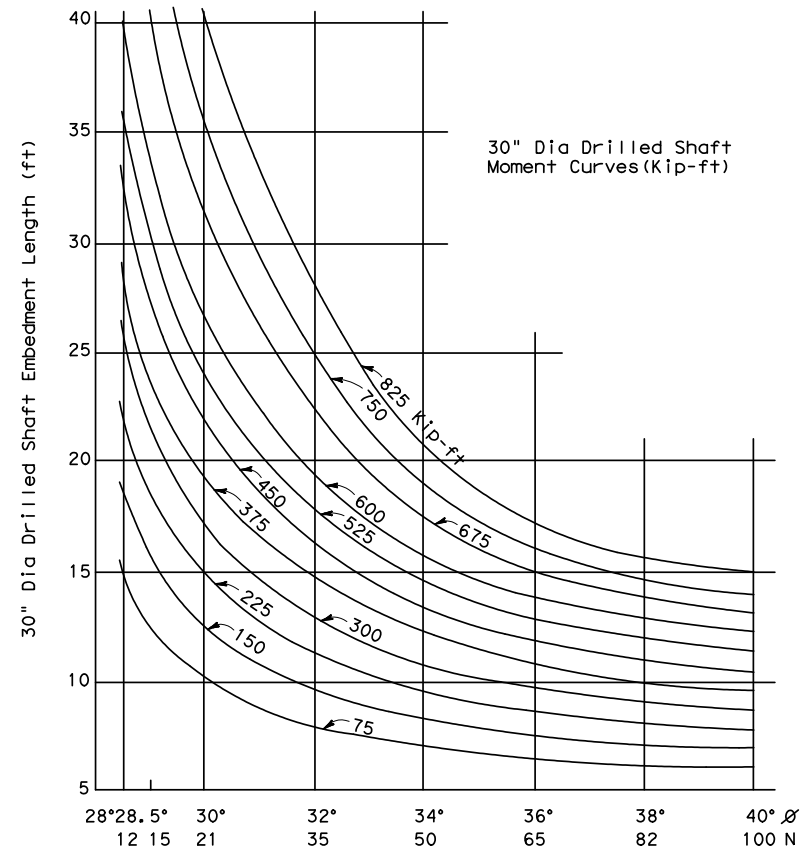


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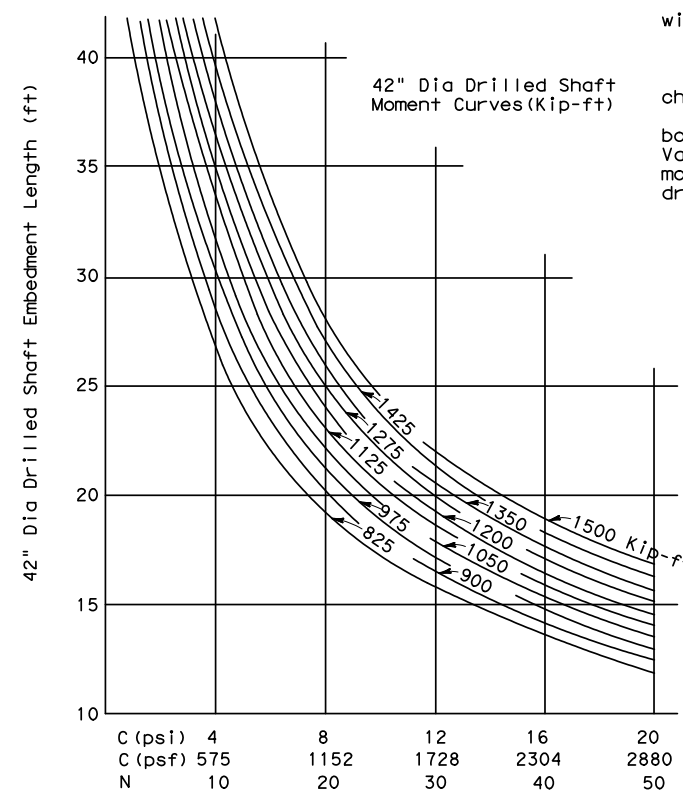
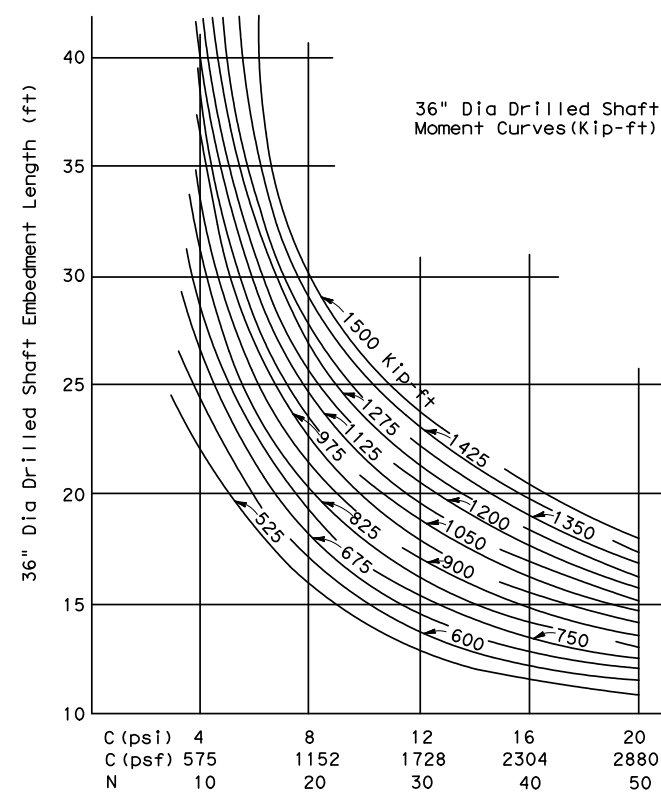
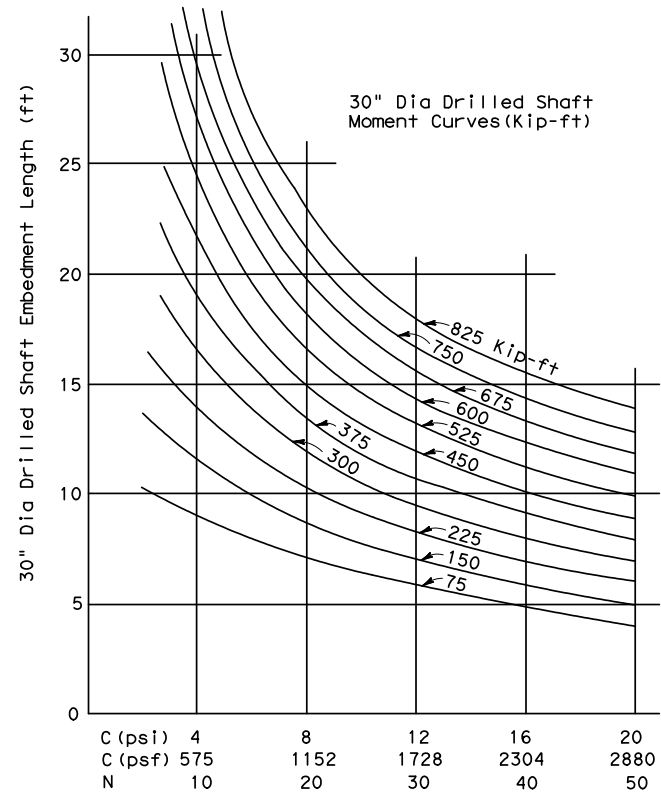


① SUBMERGED SAND SOIL (COHESIONLESS)

NOTE:
For unsubmerged sands and clayey sands the charts for clay soil will give a conservative foundation design.

GENERAL NOTES:

Minimum embedment of drilled shafts is two diameters. Add 3'-0" to required embedment length to determine required length of drilled shaft. These graphs are intended for use with Overhead Sign Bridges, with one shaft footing. (Not suitable for cantilever structures).
C = Cohesive shear strength of soil, in psf.
 ϕ = Angle of internal friction of soil, in degrees.
For values of C and ϕ which are intermediate to those on the charts, embedments may be determined by straight line interpolation.
Enter graph (for the correct shaft size and soil type) from the bottom, either with soil properties, C or ϕ or with Texas Penetrometer Value N. Proceed upward into graph and locate intersection with column moment, from intersection point turn 90° to left and read lengths of drilled shafts along left side of graph.



CLAY SOIL



FOUNDATION EMBEDMENT
SELECTION CHARTS

OSB-FD-SC

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