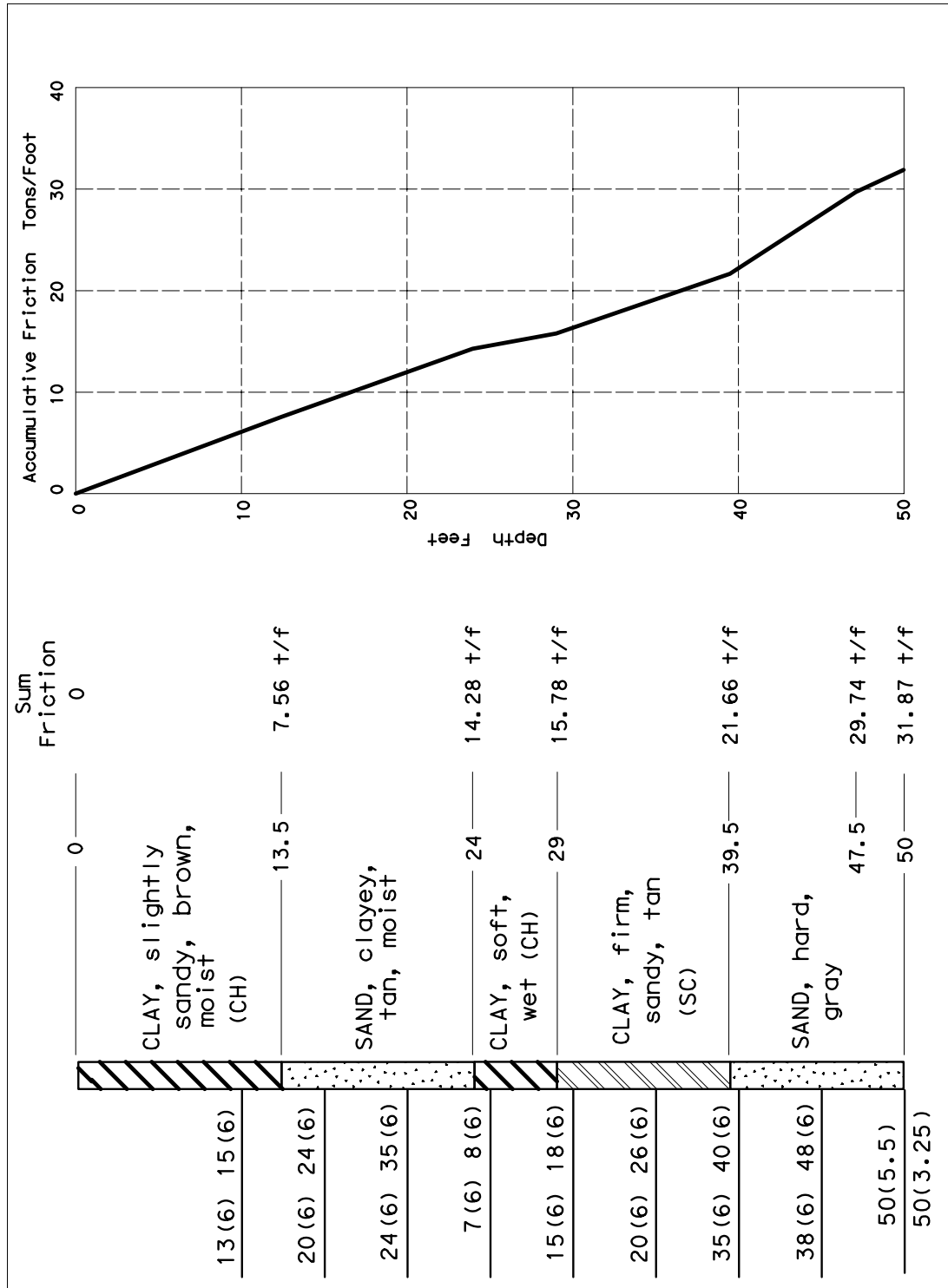


Piling Design Example

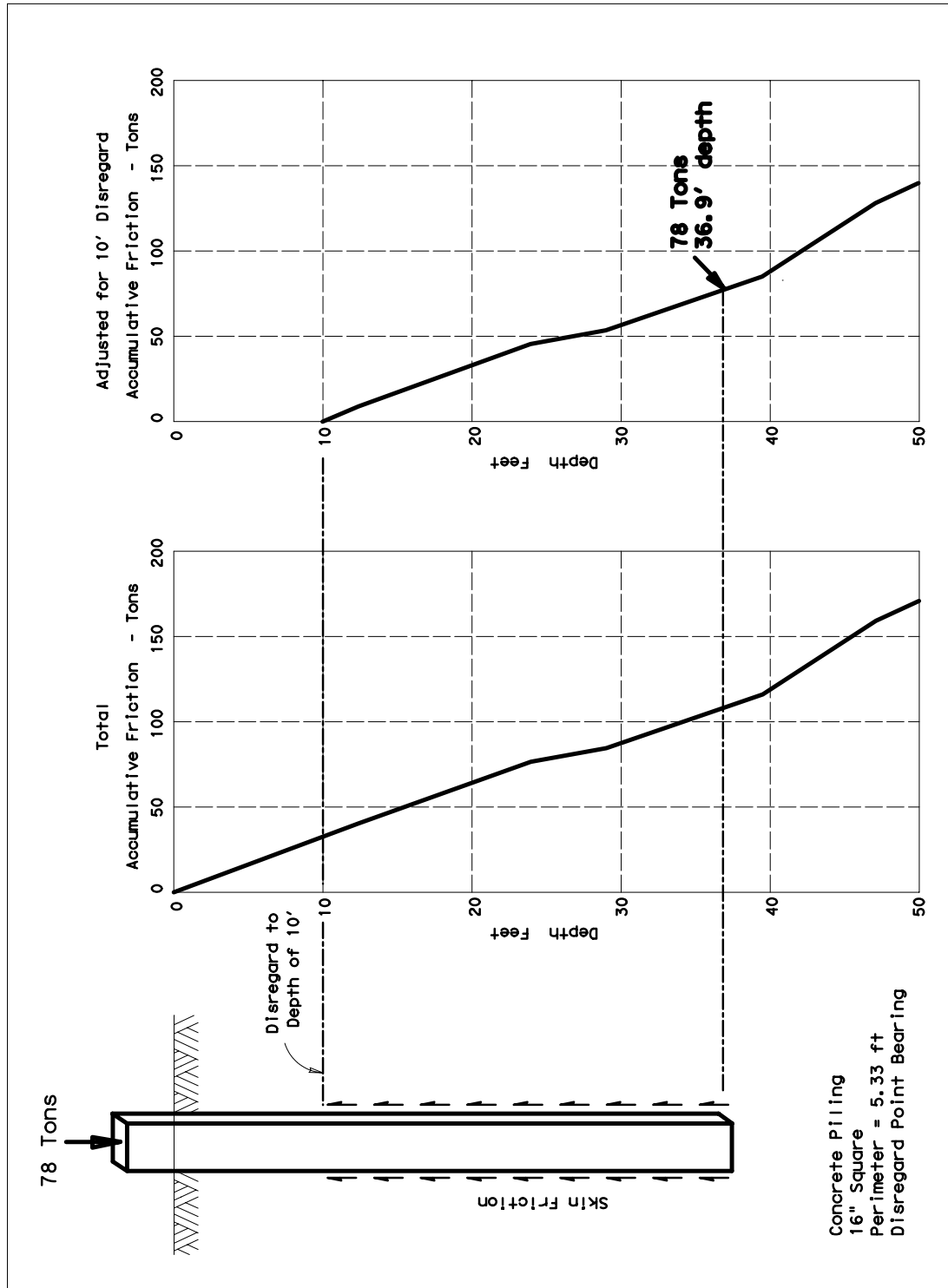
The following design examples illustrate typical piling designs in medium strength soils.

Skin Friction Calculations		Avg. TCP / Factor =	Unit Skin Friction	Strata Thickness	Total Strata Friction	Sum Friction
		Value	x	x	=	0
13(6)	15(6)					
CLAY, slightly sandy, brown, moist (CH)						
20(6)	24(6)	28 / 50	=	.56 tsf	x	13.5 = 7.56 t/f
7.56 t/f						
24(6)	35(6)					
SAND, clayey, tan, moist						
7(6)	8(6)	51.5 / 80	=	.64 tsf	x	10.5 = 6.72 t/f
14.28 t/f						
15(6)	18(6)					
CLAY, soft, wet (CH)						
20(6)	26(6)	15 / 50	=	.30 tsf	x	5.0 = 1.50 t/f
15.78 t/f						
35(6)	40(6)					
CLAY, firm, sandy, tan (SC)						
38(6)	48(6)	39.5 / 70	=	.56 tsf	x	10.5 = 5.88 t/f
21.66 t/f						
50(5.5)	50(3.25)					
SAND, hard, gray						
47.5	50	80.5 / 80	=	1.01 tsf	x	8.0 = 8.08 t/f
29.74 t/f						
Navg = 147* .85 tsf x 2.5 = 2.13 t/f						
31.87 t/f						

Piling Design Example - 1 * For Navg >100 and < 150, friction = .85 tsf



Piling Design Example - 2



Piling Design Example - 3