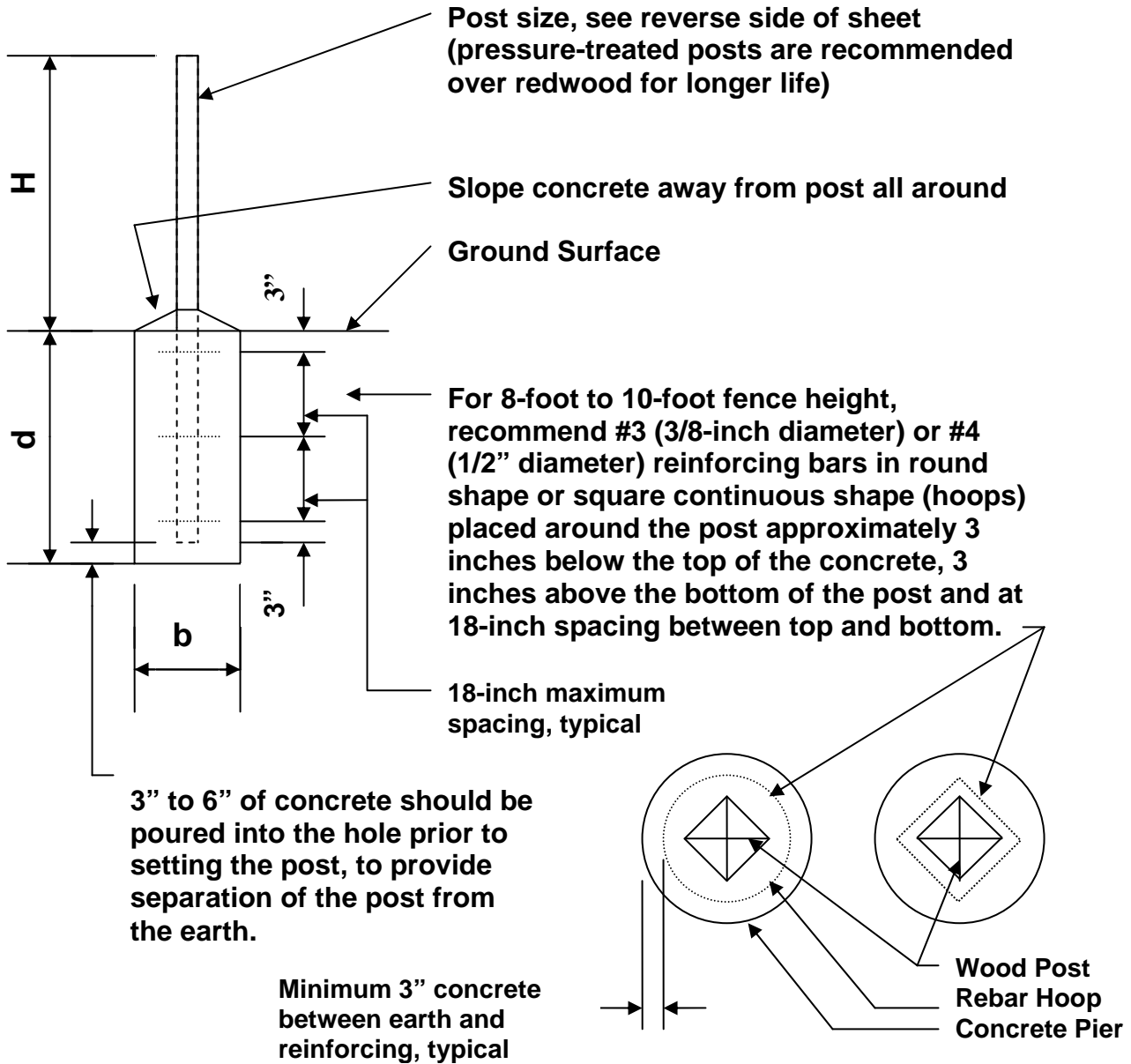


Recommended Wood Fence Post & Foundation Details



H = Height of fence above grade
S = Spacing of fence posts (center to center)
b = Diameter of round concrete pier hole or dimension of square pier
d = Required depth of concrete pier
P = Post size, wood, cedar or redwood

Recommended Wood Fence Post & Foundation Details

H = Height of fence above grade (feet)

S = Spacing of fence posts (center to center, feet)

b = Diameter of round concrete pier hole or dimension of square pier (inches)

d = Required depth of concrete pier (feet and inches)

P = Post size, wood (nominal inches)

Height	(center to center) Spacing	Post Type and Size			Foundation		
		Redwood	Pressure Treated	Minimum Post Depth in Concrete	b = 12"	b = 16"	b = 18"
					d	d	d
Up to 7'	Up to 8'	4 X 4	4 X 4	2'-0"	3'-0"	3'-0"	3'-0"
Up to 8'	4'	6 X 6	4 X 6	3'-0"	N/A	3'-8"	3'-6"
	5'	6 X 6	6 X 6	3'-0"	N/A	4'-0"	3'-10"
	6'	4 X 8	6 X 6	3'-0"	N/A	4'-4"	4'-2"
	7'	6 X 8	4 X 8	4'-0"	N/A	4'-8"	4'-4"
	8'	6 X 8	6 X 8	4'-0"	N/A	4'-10"	4'-8"
Up to 9'	4'	6 X 6	6 X 6	3'-0"	N/A	4'-0"	3'-10"
	5'	6 X 8	6 X 6	3'-0"	N/A	4'-4"	4'-2"
	6'	6 X 8	4 X 8	4'-0"	N/A	4'-8"	4'-6"
	7'	6 X 8	6 X 8	4'-0"	N/A	5'-0"	4'-9"
	8'	6 X 8	6 X 8	4'-0"	N/A	5'-3"	5'-0"
Up to 10'	4'	4 X 8	6 X 6	3'-0"	N/A	4'-3"	4'-0"
	5'	6 X 8	6 X 8	4'-0"	N/A	4'-8"	4'-4"
	6'	6 X 8	6 X 8	4'-0"	N/A	5'-0"	4'-9"
	7'	8 X 8	6 X 8	4'-0"	N/A	N/A	5'-0"
	8'	8 X 8	6 X 8	4'-0"	N/A	N/A	5'-4"
Notes:	N/A means you cannot use this size pier with this size post.						

NOTE: The information presented in this handout applies only to wood fences with concrete cast-in-place pier foundations. Concrete or masonry walls require design by a registered professional engineer or architect.