

HOW TO INSTALL A... WOODEN BOLLARD

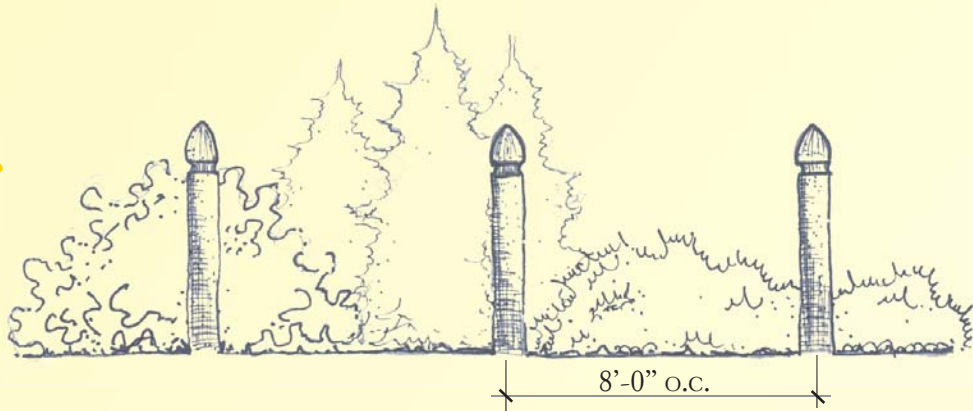
ILLUSTRATIVE DRAWING

TOOLS:

- (1) post hole digger per 3 bollards
- (2) shovels per 3 bollards
- (2) trowels per 3 bollards
- (1) hose or water source

MATERIALS:

- (2) 6" x 6" x 4' French Gothic Pressure Treated Southern Yellow Pine @ \$14.97 = \$29.94
- (2) 60 lb bags of Quikrete Concrete @ \$2.87 = \$5.74



TOTAL COSTS:

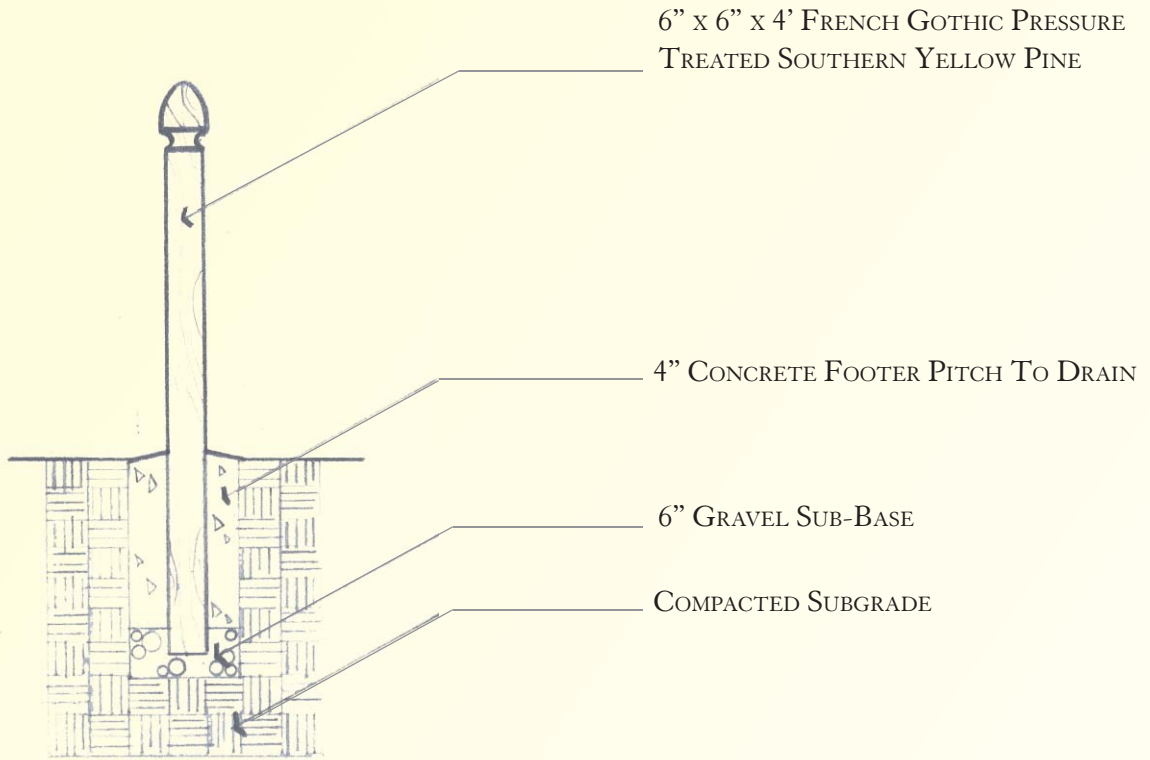
- tool rental @ \$100.00
- materials @ \$35.68
- Total Costs per 2 bollards @ \$35.68

GENERAL INFORMATION:

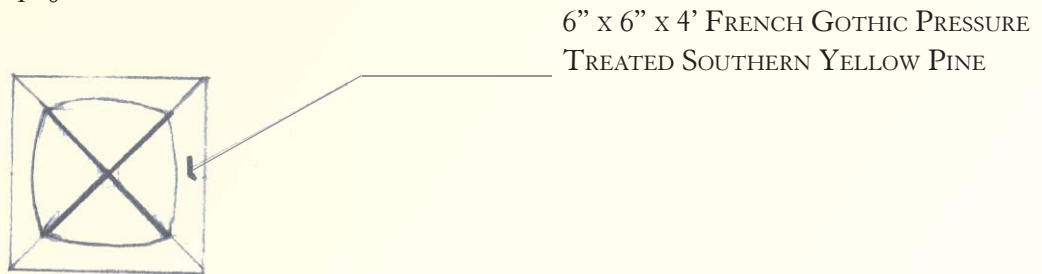
- each bollard shall be installed in either compacted/undisturbed subgrade or concrete footers w/ gravel sub-base
- in order to remain sturdy, bollards must have at least 1' submerged underground
- bollards shall be 8' on center from each other
- use post hole diggers to dig initial 1' x 1' hole
- insert bollard and fill with remaining dirt or concrete
- if using concrete, fill hole with dry concrete and add water later



CONSTRUCTION DRAWINGS



1 SECTION VIEW OF WOODEN BOLLARD
 L1.7 $\frac{1}{2}$ " = 1'-0"



2 PLAN VIEW OF WOODEN BOLLARD
 L1.7 $\frac{1}{2}$ " = 1'-0"

POTENTIAL RESOURCES:

- The Home Depot
 650 Ponce de Leon Ave. NE
 Atlanta, GA 30308
 (404) 892-8042

