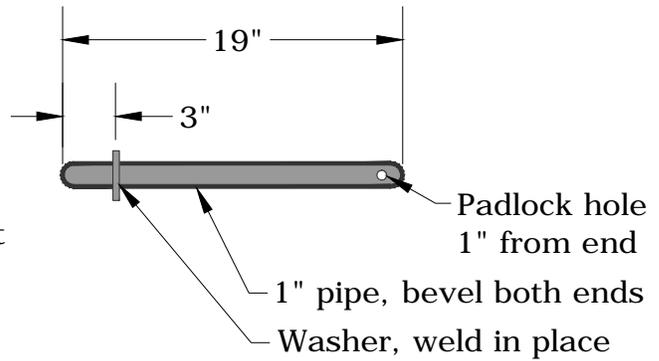
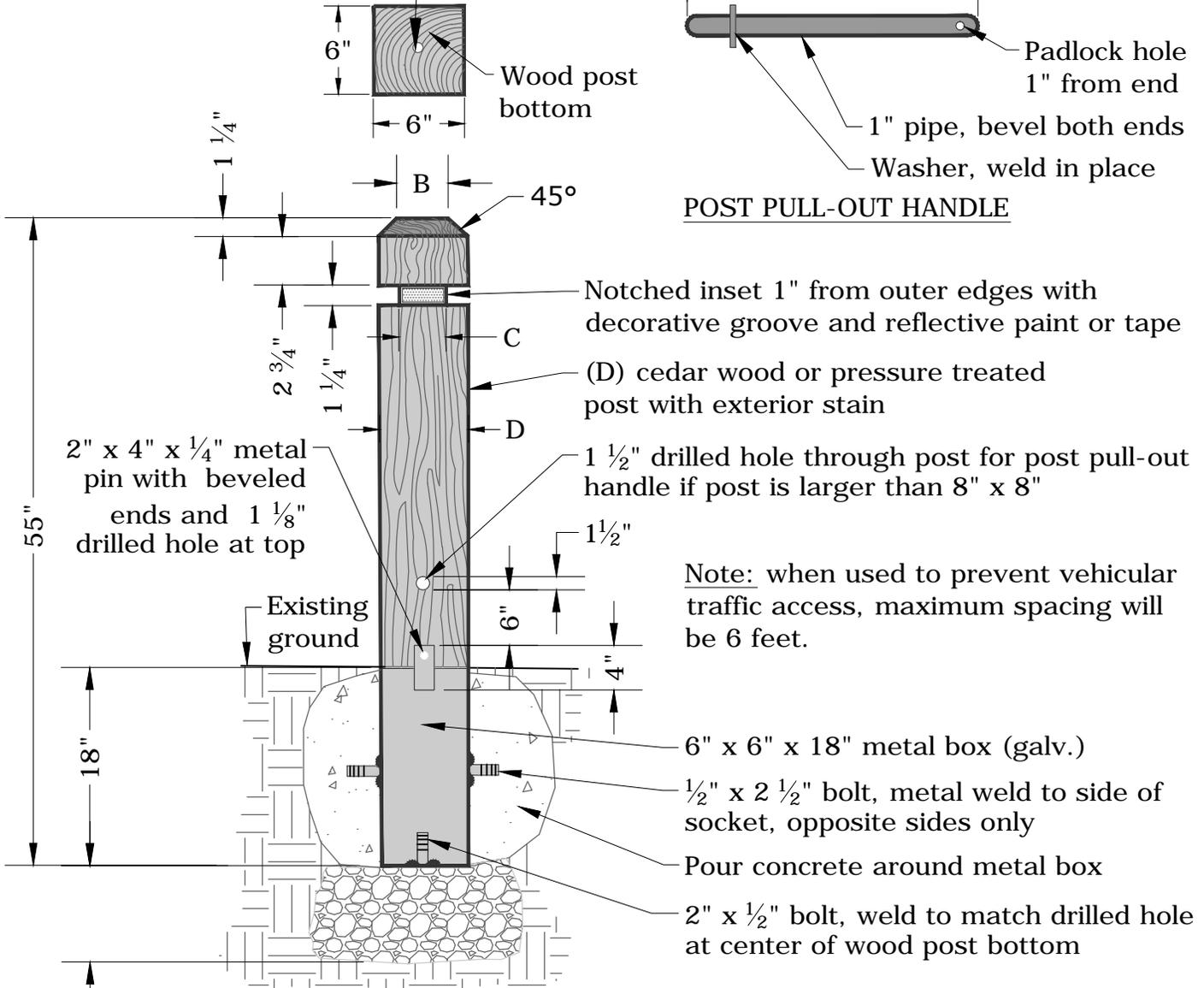


Drill $\frac{5}{8}$ " hole on bottom of wood post $2\frac{1}{4}$ " (for $2" \times \frac{1}{2}"$ bolt from metal box plate to slide into)



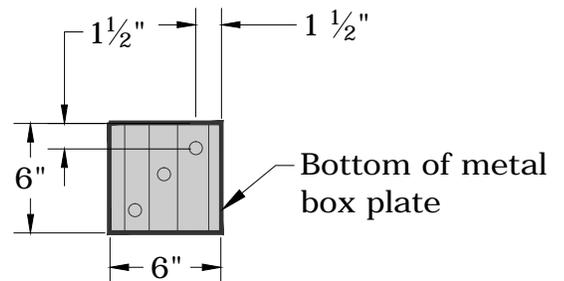
POST PULL-OUT HANDLE



Note: when used to prevent vehicular traffic access, maximum spacing will be 6 feet.

SIDE VIEW

Dimension Chart				
Post size	A	B	C	D
6" X 6"	6"	3 1/2"	4"	6"
8" X 8"	8"	5 1/2"	6"	8"
10" X 10"	10"	7 1/2"	8"	10"
12" X 12"	12"	9 1/2"	10"	12"



City of Lake Oswego
Engineering Division

Guy Graham, P.E. Public Works Director
City Engineer

BOLLARD DETAIL

DRAWING NUMBER: S5-01

Drawn: DB	Redrawn:
Design: JRB	Redesigned:
Checked: GD	Update: KBK
Scale: N.T.S.	Update Check: DK
Date: 5/24/99	Date/Update: 11/27/12