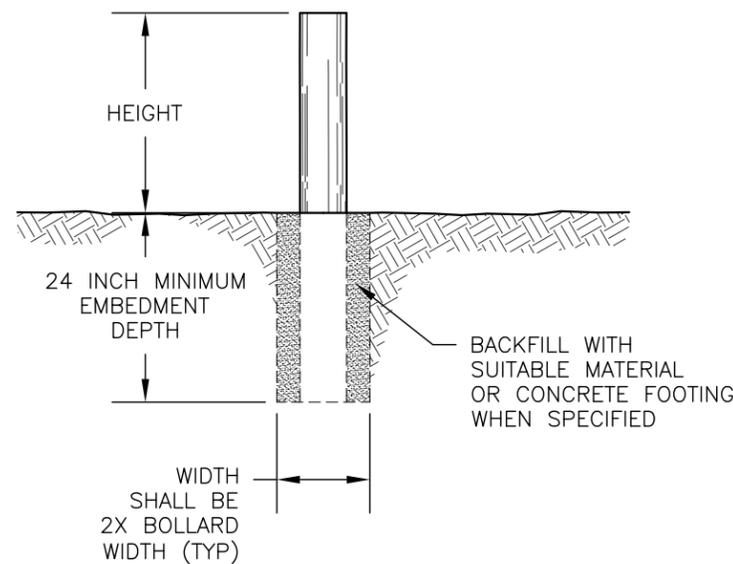


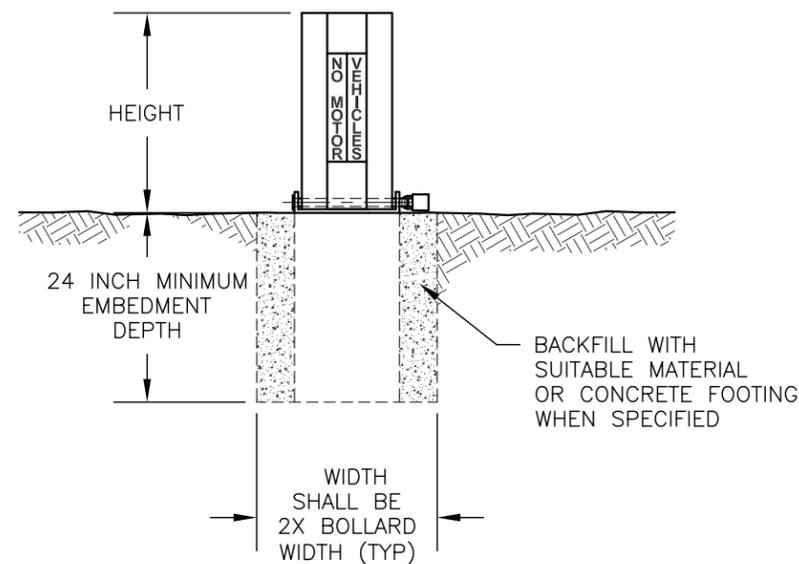
BOLLARDS

TYPICAL ID	SECTION TYPE	BOLLARD			EMBEDMENT DEPTH	PRESERV. TYPE	COMMENTS
		TYPE	SIZE	HEIGHT			
BLD-1		BD				P	

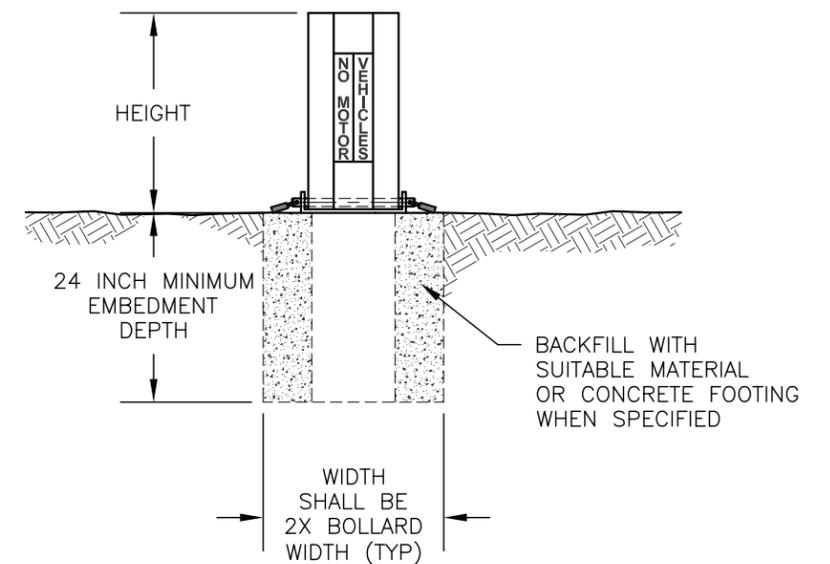
N/A WHEN NOT APPLICABLE



A PERMANENT INSTALLATION SECTION



B REMOVABLE INSTALLATION SECTION
SINGLE LOCK SYSTEM SHOWN



C DROP-DOWN INSTALLATION SECTION
DUAL LOCK SYSTEM SHOWN

BOLLARD MATERIAL

TYPE	MATERIAL	COMMENTS
BD1	LOG	
BD2	STEEL	
BD3	CONCRETE	
BD4	TIMBER	
BD5	RAILROAD TIE	
BD6	MANUFACTURED	
BD7		

NOTES:

1. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.
2. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.
3. WHEN SPECIFIED INSTALL PER MANUFACTURERS INSTRUCTION.
4. OBJECT MARKERS REQUIRED ON MOTORIZED TRAILS.

PRESERVATIVE TREATMENT - (REFER TO AWPA USE CATEGORY SYSTEM)			
PRESERVATIVE TYPE	TREATMENT TYPE	USE CATEGORY	COMMENTS
P1	WB	UC4A	
P2	WB	UC3B	
P3			

TREATMENT TYPE
WB = WATERBORNE
OT = OIL-BORNE

USE CATEGORY
UC3B = ABOVE GROUND - EXPOSED
UC4A = GROUND CONTACT - GENERAL USE
UC4B = GROUND CONTACT - HEAVY DUTY