

**GENERAL NOTES:**

1. LOCATE UNDERGROUND UTILITIES PRIOR TO DIGGING. CALL USA (UNDERGROUND SERVICE ALERT) 1-800-277-2600, MON THRU FRI 6AM TO 7PM, A MINIMUM 2 WORKING DAYS WITH A MAXIMUM 14 CALENDAR DAYS, TO OBTAIN A TICKET. CONTACT THE DISTRICT INSPECTOR OR PARK SUPERVISOR FOR DISTRICT UTILITIES NOT LOCATED BY USA.
2. STEEL PIPE SHALL BE STANDARD WEIGHT OR AS NOTED, ASTM 53, GRADE B, UNFINISHED STEEL PIPE.
3. STEEL PIPE CAP SHALL BE STANDARD WEIGHT, BUTT WELD TYPE, WITH BEVELED EDGE. PRIOR TO HOT-DIP GALVANIZING, GRIND PIPE CAP WELD FLUSH AND SMOOTH.
4. ALL METAL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. WATER QUENCHING FOR CHROMATE CONVERSION COATING SHOULD BE AVOIDED AS THESE PROCESSES INTERFERE WITH PAINT ADHESION AND SURFACE PREPARATION. REFER TO ASTM D6386, STANDARD PRACTICE FOR PREPARATION OF ZINC (HOT-DIP GALVANIZED) COATED IRON AND STEEL PRODUCT FOR PAINTING.
5. PRIME AND PAINT "EBRPD BROWN METAL" PER STD PLAN 003 PAINT SPECIFICATION. TOUCH-UP ANY DAMAGED FINISH AFTER INSTALLATION.
6. INSTALL BOLLARD PLUMB AT CENTER OF CONCRETE FOOTING.
7. REFLECTIVE SAFETY TAPE SHALL BE 3" WIDE YELLOW, RATED FOR 5 YEAR MIN OUTDOOR LIFE AND MEET D.O.T. SPECIFICATION FP-85 FOR TYPE 2 SHEETING.
8. CONCRETE SHALL BE COMMERCIAL 5-SACK PRE-MIX CONCRETE OR EQUIVALENT.



**STEEL BOLLARDS GENERAL NOTES**

DRAWN	CR	KEY	REVISIONS	DATE
CHECKED	AS	△	ORIGINAL ISSUE	12-04-15
OPERATIONS	DC			

APPROVED *[Signature]*  
 ROB LIM, PE, CHIEF OF DESIGN & CONSTRUCTION  
 DATE 12/8/15

STD PLAN  
**101**  
 SHEET 1 OF 1  
 NOT TO SCALE