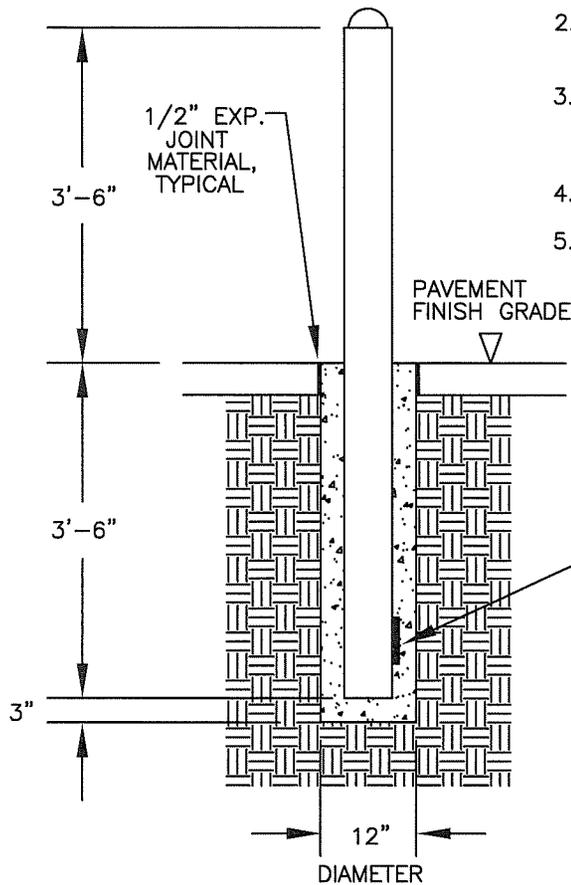


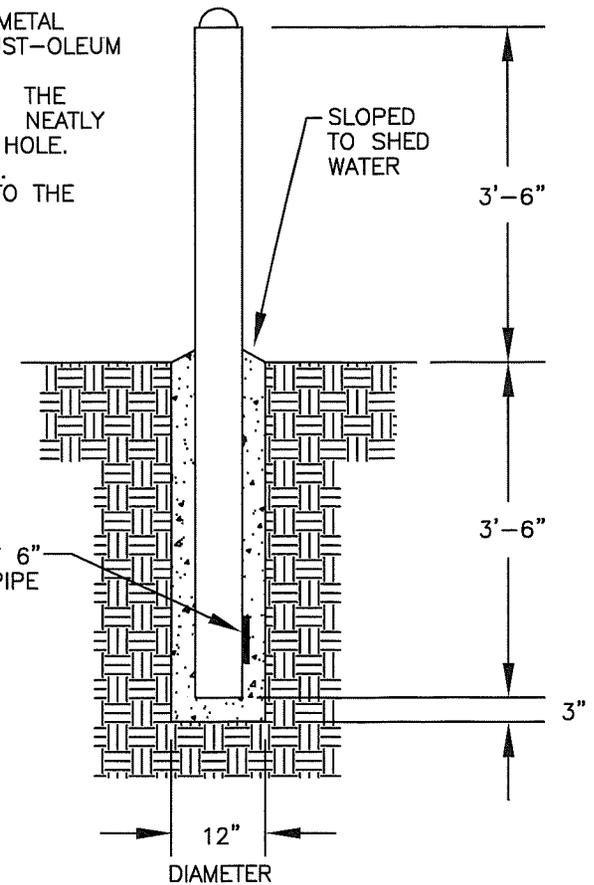
NOTES

1. STEEL BOLLARDS SHALL BE 6" DIAMETER SCH 40 CASING PIPE FILLED WITH MD DEPT. OF TRANS. S.H.A. MIX NO. 2 CONCRETE WITH 5%-8% AIR ENTRAINMENT AND 2"-5" SLUMP. FINISH THE TOP OF THE CONCRETE SMOOTH AND DOME SHAPED.
2. APPLY (1) COAT OF PRIMER OVER NON-RUSTED, CLEAN METAL AND (2) COATS OF 242258 SAFETY YELLOW OIL BASE RUST-OLEUM PROFESSIONAL HIGH PERFORMANCE EXTERIOR PAINT
3. PLUMB AND CENTER THE CASING PIPE IN THE 12" HOLE. THE SIDES AND BOTTOM SHALL BE FIRM UNDISTURBED EARTH. NEATLY SAW CUT EXISTING PAVEMENT AND AUGER A NEAT CLEAN HOLE. IF PAVEMENT IS PROPOSED USE A SONOTUBE TYPE FORM.
4. PAVEMENT OR TURF RESTORATION SHALL BE INCIDENTAL TO THE BOLLARD INSTALLATION.
5. CONTACT MISS UTILITY BEFORE EXCAVATING FOR PIPE BOLLARDS, (1-800-257-7777).



BOLLARD IN PAVEMENT

NO SCALE



BOLLARD IN GRASS/MULCH

NO SCALE



CITY OF HAGERSTOWN, MARYLAND - ENGINEERING DIVISION

**MISCELLANEOUS STANDARD DETAIL
STEEL PIPE BOLLARD**

ISSUE DATE: 01-01-03

REVISIONS

01-01-07

01-02-25

Plate **M-020**