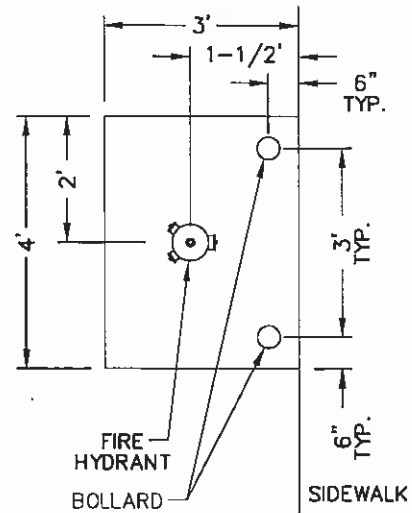
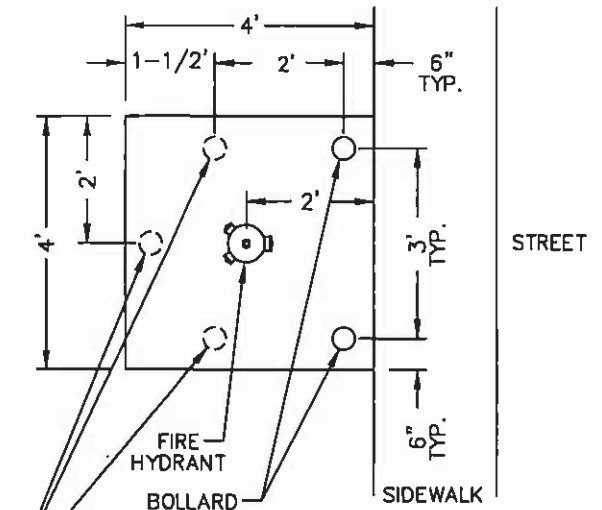


**BOLLARD SECTION
(NTS)**

- ① CONCRETE DOME FINISH
- ② USE SAME PAINTING METHODS AND COLOR AS HYDRANT.
- ③ FILL PIPE WITH CONCRETE.
- ④ 4 INCH DIAMETER, 60 INCH LONG SCHEDULE 40 GALVANIZED PIPE, 2 FEET EMBEDDED IN CONCRETE.
- ⑤ ADJACENT CONCRETE SIDEWALK.
- ⑥ 12 INCH DIAMETER, 2-1/2 FEET DEEP CLASS "A" CONCRETE FOUNDATION, CENTERED ON BOLLARD.
- ⑦ 1/4 INCH WELDED CIRCULAR STEEL PLATE, 1/4 INCH LIP.
- ⑧ ADJACENT CONCRETE HYDRANT PAD.



**TYPE I LAYOUT
(NTS)**




**TYPE II LAYOUT
(NTS)**

ADDITIONAL BOLLARDS (AS REQUIRED)

NOTES:

- A. IN NO WAY SHALL ANY BOLLARD BE INSTALLED IN DIRECT LINE WITH ANY HYDRANT OUTLET.
- B. FOR INSTALLATION OF TWO BOLLARDS, USE TYPE I LAYOUT. FOR INSTALLATION OF MORE THAN TWO BOLLARDS, USE TYPE II LAYOUT.

THE CITY OF WEST SACRAMENTO - STANDARD DETAIL

APPROVED BY: 	C-38733	3/31/05
CITY ENGINEER	P.E. NO.	DATE
REVISION:		
REVISION:		
REVISION:		
REVISION:		

TITLE:

**FIRE HYDRANT
BOLLARD DETAIL**

STANDARD
DETAIL #: 517

