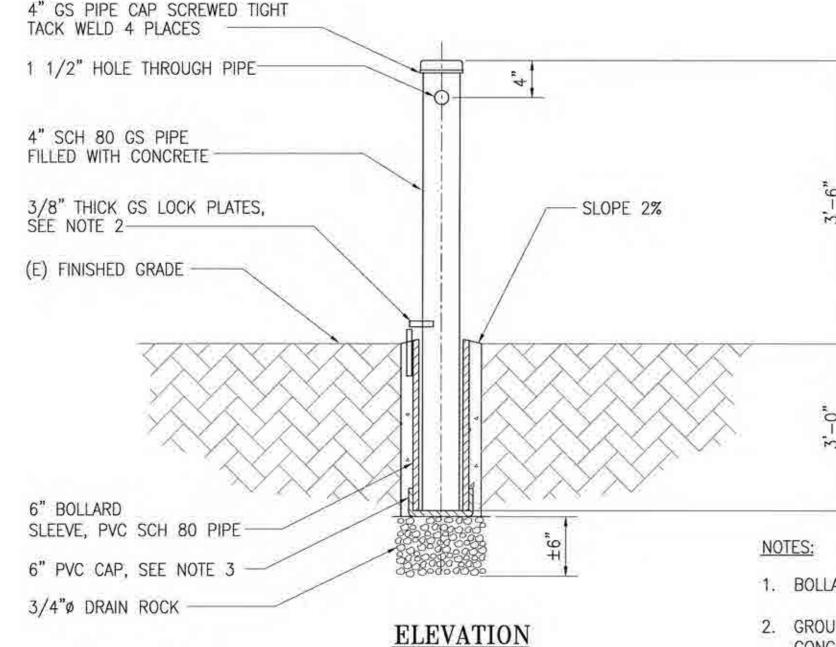


BOLLARD SHALL BE PAINTED SAFETY YELLOW.

ELEVATION

PERMANENT BOLLARD SCALE: NONE

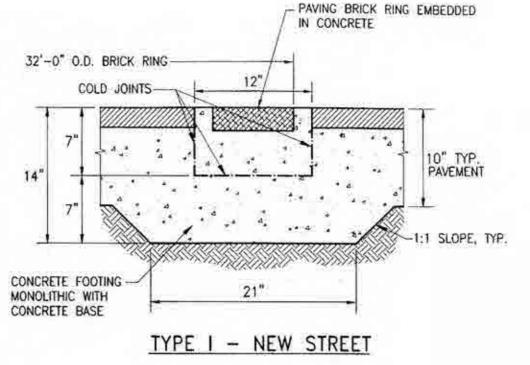


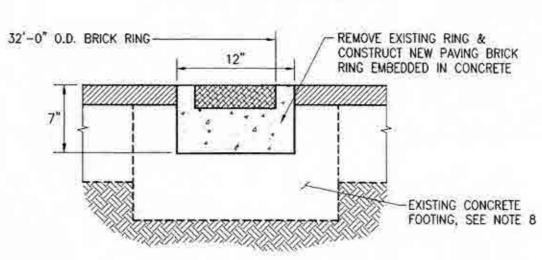
MANHOLE FIRE CISTERN BELOW PAVING BRICK -12" BRICK RING CONCRETE BASE

PLAN - TYPICAL AWSS FIRE CISTERN RING

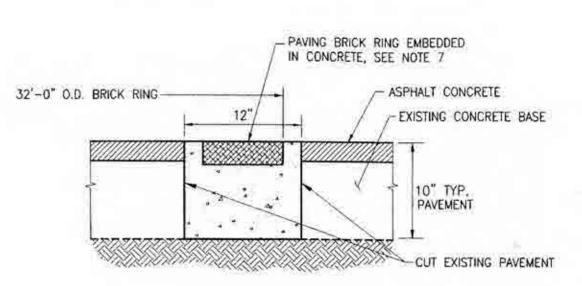
GENERAL NOTES

- 1. FIRE CISTERNS SHALL BE IDENTIFIED WITH A RING OF PAVING BRICKS 32'-0" IN DIAMETER TO THE OUTSIDE EDGE.
- 2. BRICKS SHALL BE 4" x 8-1/4" x 2-3/8" RED REPRESSED PAVING BRICKS HAVING ROUND EDGES. ASTM C7-42 LAID FLAT.
- CONCRETE SHALL BE CLASS E.
- 4. TOPS OF BRICKS SHALL BE FLUSH WITH STREET PAVEMENT, SPACED 1/2" BETWEEN BRICKS AND LAYED WITH LONG DIMENSION OF BRICK SET RADIALLY.
- WHERE A CISTERN IS LOCATED PARTIALLY UNDER A SIDEWALK, INSTALL CISTERN IDENTIFICATION RING IN THE STREET AREA ONLY.
- 6. DO NOT INSTALL CISTERN IDENTIFICATION RING IN THE GUTTER OR PARKING STRIP AREAS.
- 7. USE THE SAME DETAIL FOR CONSTRUCTING BRICK RING ON EXISTING CONCRETE PAVEMENT.
- 8. EXISTING BRICK RING CONCRETE FOOTING MAY VARY.

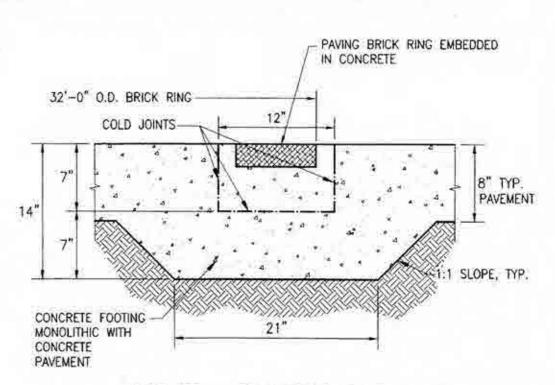




TYPE III - RESURFACING WITH EXISTING RING



TYPE II - RESURFACING WITH NO EXISTING RING



TYPE IV - CONCRETE PAVEMENT

This Standard Plan was developed for use on public works projects in the City and County of San Francisco, and shall not be used without consulting a Registered Professional Engineer. The Department of Public Works reserves the right to make revisions to this Standard Plan at any time.

ABBREVIATIONS: AWSS = AUXILIARY WATER SUPPLY SYSTEM O.D. = OUTSIDE DIAMETER TYP. = TYPICAL

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

LANS APPROVAL DATE: APRIL 30, 2007 DEPUTY BUREAU MANAGER

STANDARD PLAN OLD FILE NO. HPL-5132.8 CH STREETS AND HIGHWAYS 87,179 AWSS CISTERN IDENTIFICATION PAVEMENT RING REV. NO.

BOLLARD SHALL BE PAINTED SAFETY YELLOW.

2. GROUND MOUNTED LOCK PLATE SHALL BE EMBEDDED 8" INTO CONCRETE AND PROTUDE 1 1/4" ABOVE CONCRETE FOOTING.

3. SOLVENT WELD PVC CAP TO PIPE SLEEVE, DRILL 6 (SIX) 1/2"ø HOLES THROUGH PVC CAP BOTTOM.

REMOVABLE BOLLARD SCALE: NONE

REFERENCE INFORMATION & FILE NO. OF SURVEYS BY APP.





HAR	DESIGN & ENGINEERING
JBLIC	PUBLIC WORKS CITY & COUNTY OF SAN FRANCISCO
ORKS	30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102 - 6028

		Date:	DESIGNED:	DATE:
Section Mgr:	MAURICE CHEE			
Deputy Division Mgr:	IQBALBHAI DHAPA		DRAWN:	DATE: 12/17
Division Mgr:	PATRICK RIVERA		CHECKED:	DATE: 12/17

	AS NOTED		
2.	Ge Water	AUXILIARY WATER SUPPLY SYSTEM	DRAWING NO. AWSS 6
	SHEET OF SHEETS 6 OF 6	AWSS STANDARD DRAWING VI	FILE NO. 111,601 REV. NO.

O. DATE

DESCRIPTION

TABLE OF REVISIONS