

NOTE:

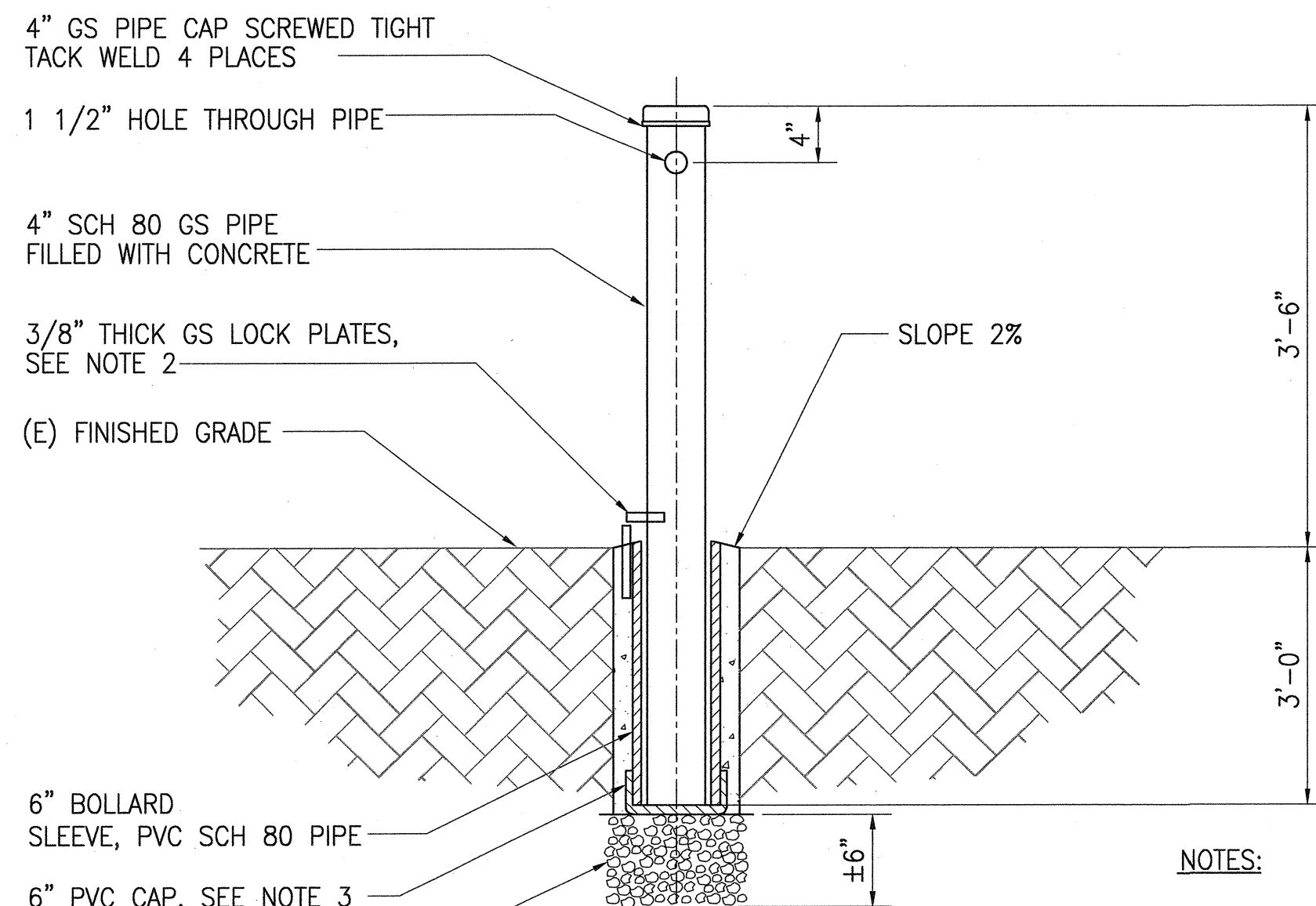
1. BOLLARD SHALL BE PAINTED SAFETY YELLOW.

ELEVATION

PERMANENT BOLLARD

SCALE: NONE

1



ELEVATION

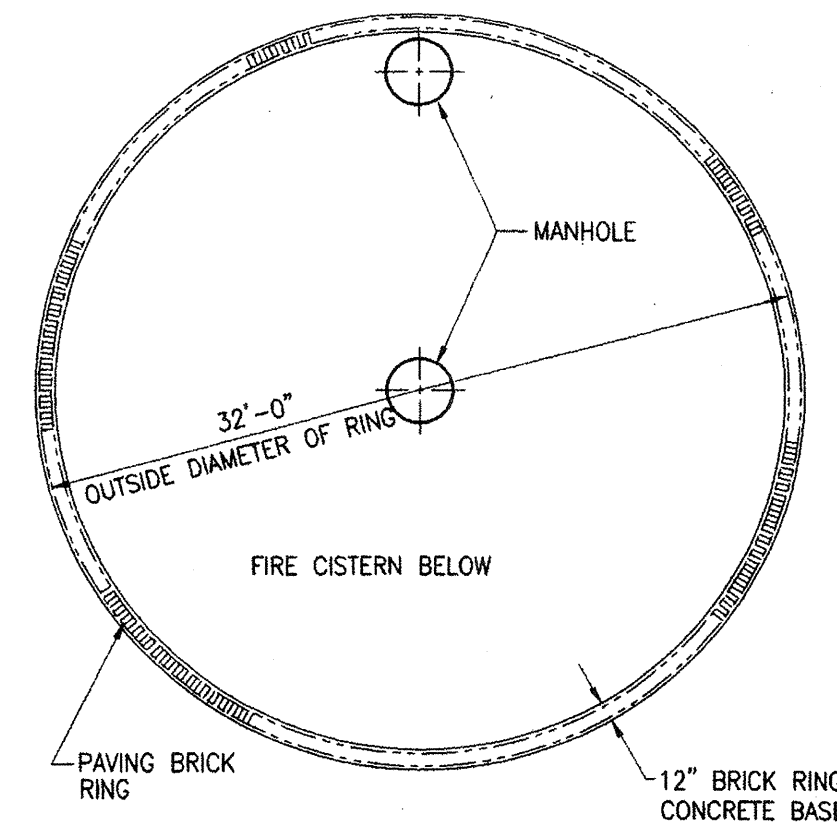
REMOVABLE BOLLARD

SCALE: NONE

2

NOTES:

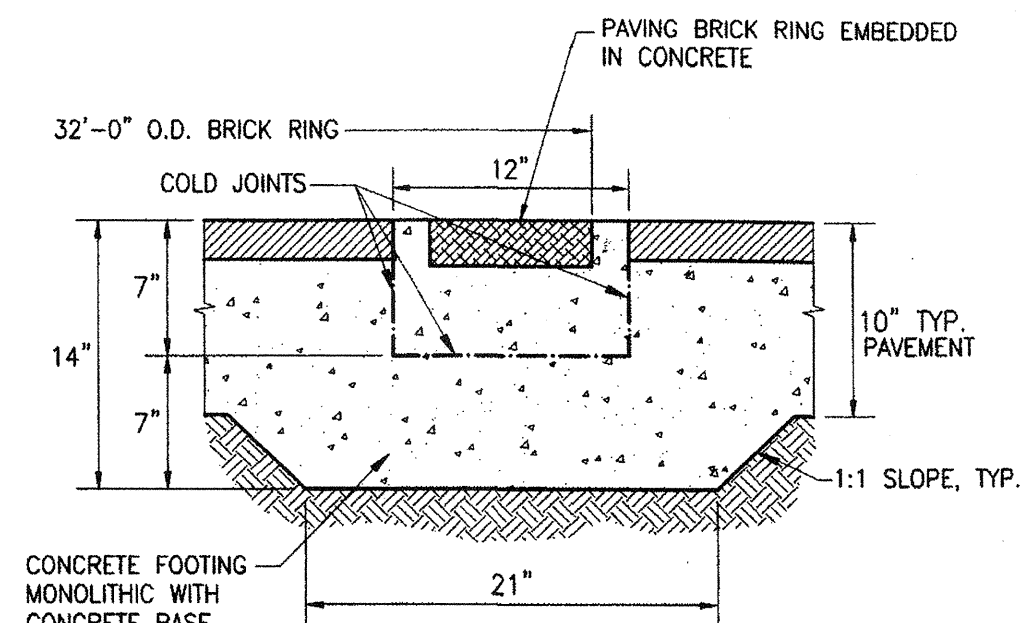
1. BOLLARD SHALL BE PAINTED SAFETY YELLOW.
2. GROUND MOUNTED LOCK PLATE SHALL BE EMBEDDED 8" INTO CONCRETE AND PROTRUDE 1 1/4" ABOVE CONCRETE FOOTING.
3. SOLVENT WELD PVC CAP TO PIPE SLEEVE, DRILL 6 (SIX) 1/2" HOLES THROUGH PVC CAP BOTTOM.



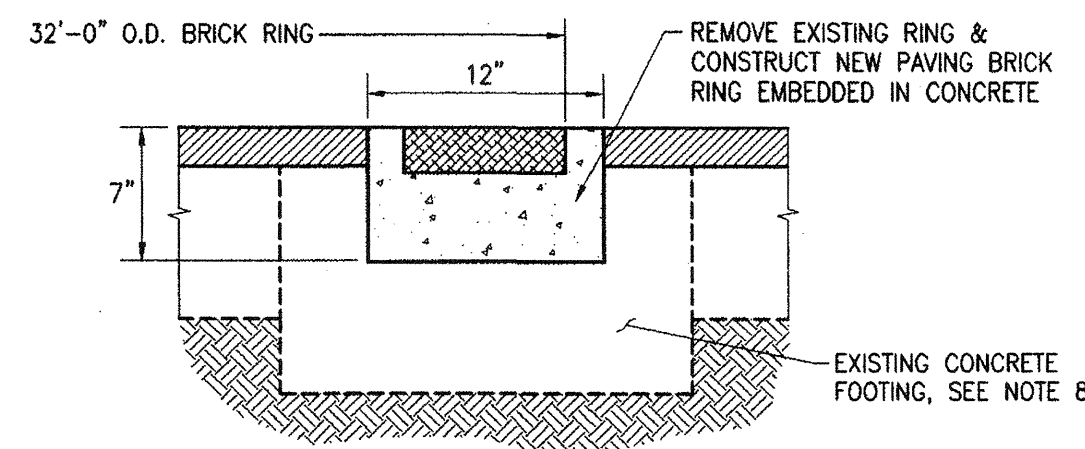
PLAN - TYPICAL AWSS FIRE CISTERN RING

GENERAL NOTES

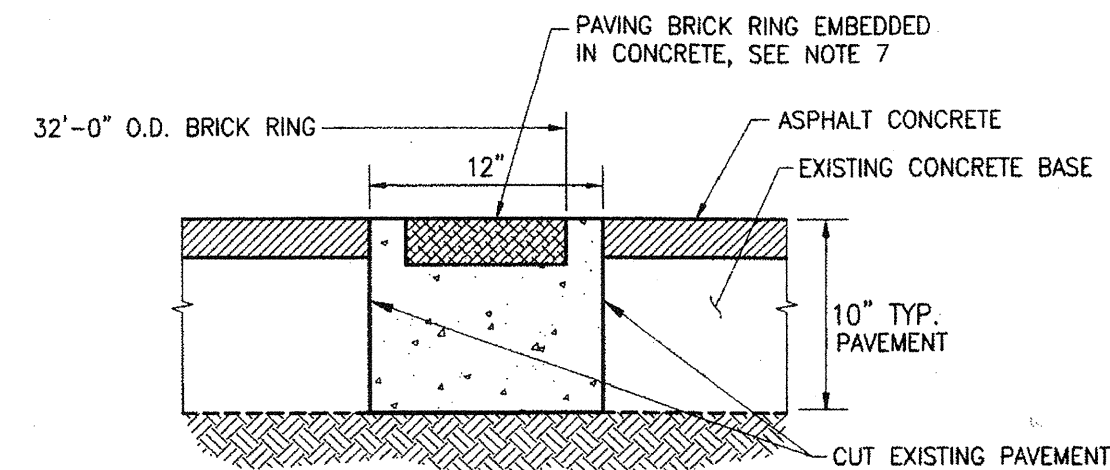
1. FIRE CISTERNS SHALL BE IDENTIFIED WITH A RING OF PAVING BRICKS 32'-0" IN DIAMETER TO THE OUTSIDE EDGE.
2. BRICKS SHALL BE 4" x 8-1/4" x 2-3/8" RED REPPRESSED PAVING BRICKS HAVING ROUND EDGES. ASTM C7-42 LAID FLAT.
3. CONCRETE SHALL BE CLASS E.
4. TOPS OF BRICKS SHALL BE FLUSH WITH STREET PAVEMENT, SPACED 1/2" BETWEEN BRICKS AND LAYED WITH LONG DIMENSION OF BRICK SET RADIALLY.
5. 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.



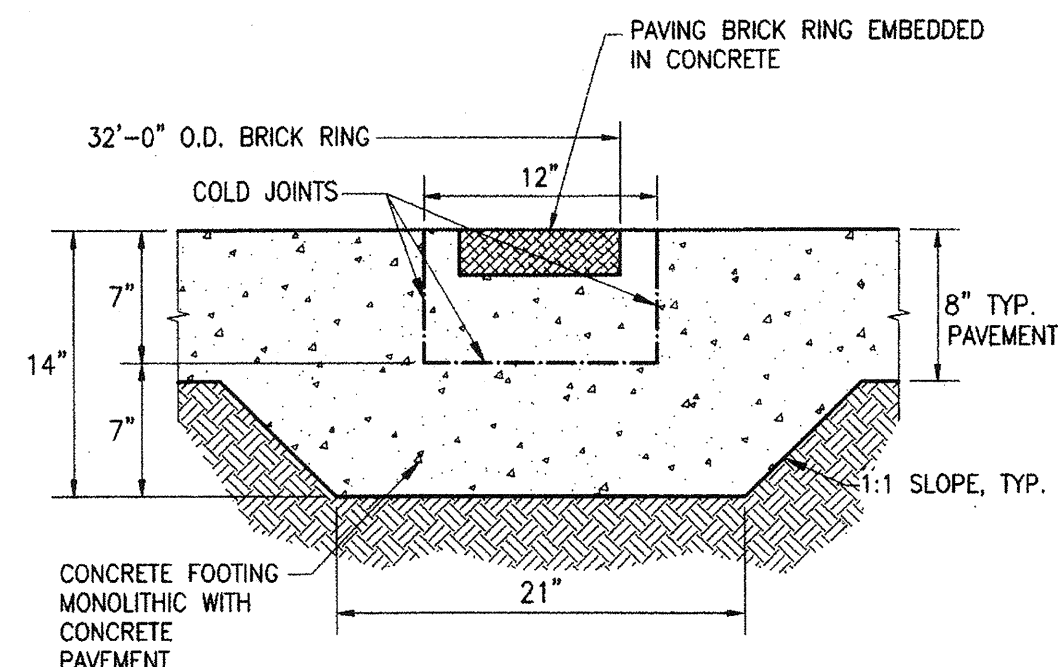
TYPE I - NEW STREET



TYPE III - RESURFACING WITH EXISTING RING



TYPE II - RESURFACING WITH NO EXISTING RING



TYPE IV - CONCRETE PAVEMENT

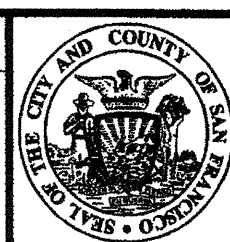
This Standard Plan was developed for use on public works projects in the City and County of San Francisco, and shall not be used without consulting a Registered Professional Engineer. The Department of Public Works reserves the right to make revisions to this Standard Plan at any time.

ABBREVIATIONS:

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

NO.	DATE	DESCRIPTION	BY	APP.

REFERENCE INFORMATION & FILE NO. OF SURVEYS



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

REVIEWED: DATE: 04/20/07	PLANS APPROVAL DATE: APRIL 30, 2007
DRAWN: DATE: 04/20/07	SECTION MANAGER: 4/27/07
CHECKED: DATE: 04/20/07	DEPUTY BUREAU MANAGER: 4/27/07
EX: 04/20/07	BUREAU MANAGER: 4/27/07

STANDARD PLAN  
STREETS AND HIGHWAYS

AWSS CISTERN IDENTIFICATION  
PAVEMENT RING

OLD FILE NO.	HPL-5132.8 CH 1
FILE NO.	87,179
REV. NO.	

NO.	DATE	DESCRIPTION	BY	APP.

REFERENCE INFORMATION & FILE NO. OF SURVEYS



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

DESIGNED: DATE:	APPROVED:
DRAWN: DATE: 11/10	SECTION MANAGER: DATE:
CHECKED: DATE: 11/10	DEPUTY BUREAU MANAGER: DATE:
MBS	BUREAU MANAGER: DATE:

SCALE:
NONE
SHEET OF SHEETS
9 OF 10

CITY AND COUNTY OF SAN FRANCISCO  
AUXILIARY WATER SUPPLY SYSTEM  
AWSS STANDARD DRAWING IX

SPECIFICATION NO.	
DRAWING NO.	AWSS 9
FILE NO.	
REV. NO.	0