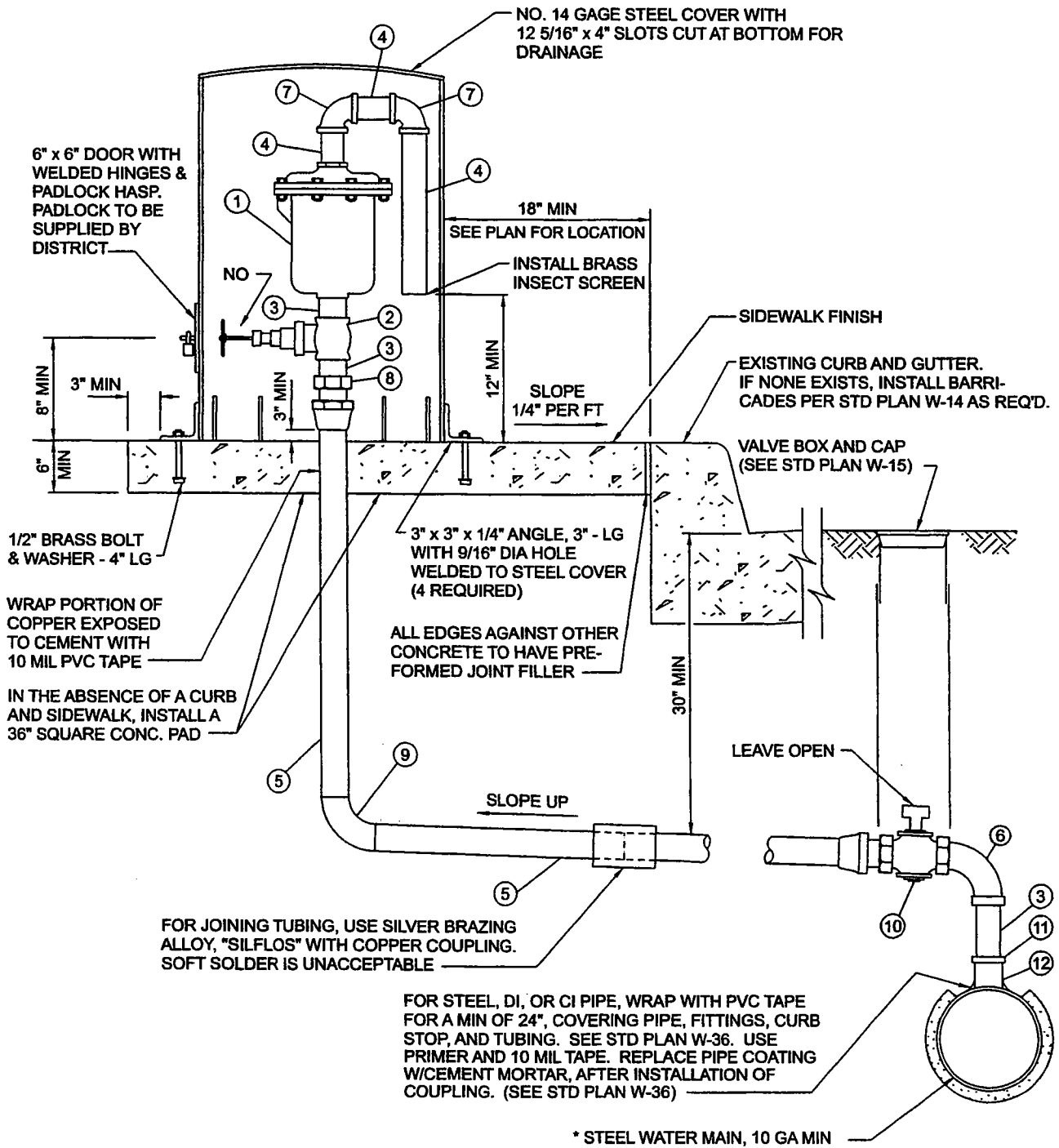


AIR-RELEASE AND VACUUM VALVE ASSEMBLY



* FOR CONNECTION TO ACP, DI, CI, OR STEEL (LESS
THAN 10 GA) PIPE, SEE STD PLAN W-5, NOTE 3 FOR DOUBLE-
STRAP CLAMP TO BE USED FOR ITEM 12. CLAMP
OUTLET SHALL BE SET VERTICALLY FACING UPWARD.

NTS

LOS ANGELES COUNTY WATERWORKS DISTRICTS

DEPARTMENT OF PUBLIC WORKS

STANDARD PLAN

W-16

APPROVED

Mal Reed
ASSISTANT DEPUTY DIRECTOR

APRIL 2004

DATE

SHEET 1 OF 2

AIR-RELEASE AND VACUUM VALVE ASSEMBLY (CONTINUED)

GENERAL NOTES:

1. THE HEIGHT AND DIAMETER OF THE STEEL COVER SHALL PROVIDE A 2" MINIMUM CLEARANCE AROUND THE VALVE ASSEMBLY.
2. IN AREAS SUBJECT TO FREEZING, ALL VALVES AND PIPING ABOVE GROUND SHALL BE INSULATED.
3. PAINT VALVE ASSEMBLY ABOVE GROUND, AND STEEL COVER, WITH TWO COATS OF DISTRICT APPROVED RED PRIMER AND TWO COATS OF DISTRICT APPROVED FOREST GREEN OR DUNES TAN.
4. USE PROPER CLASS FITTINGS FOR WORKING WATER PRESSURE. (CLASS 150 MIN).
5. IF BRONZE NIPPLE (ITEM NO. 3) IS OVER 12" LONG, ADD CORPORATION STOP NEXT TO MAIN. (LEAVE OPEN).
6. SEE PLANS FOR VALVE SIZES AND USE SAME SIZE FITTINGS, AND NIPPLE LENGTHS TO SUIT. (NO CLOSE NIPPLES).

LIST OF MATERIALS

NO.	DESCRIPTION (FOR 2" VALVES)	ENGINEER'S EST. QUANTITY
①	2" AIR-RELEASE AND VACUUM VALVE	1
②	2" BALL VALVE, SCREWED, BRONZE	1
③	2" BRONZE NIPPLE, SHORT	1' ±
④	2" STD STEEL PIPE, NIPPLE, GALV	2' ±
⑤	2" COPPER TUBING, TYPE "K" SOFT	24' ±
⑥	2" 90° STREET ELBOW, SCREWED, BRONZE	1
⑦	2" 90° ELBOW, SCREWED, GALV	2
⑧	2" ADAPTER, BRONZE, COPPER FLARED x IP, MALE	1
⑨	2" 90° ELBOW, COPPER	1
⑩	2" CURB STOP, BRONZE, COPPER FLARED x IP, FEMALE, "HAYS" 5050 OR APPROVED EQUAL	1
⑪	2 1/2" x 2" INSULATING BUSHING	1
⑫	2 1/2" WELDED COUPLING	1

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M. Keal
ASSISTANT DEPUTY DIRECTOR

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SHEET 2 OF 2