WELD & GRIND
EDGE SMOOTH
1/4" 

6-1" DIA. HOLES
EQUALLY SPACED

A

B

C

D

E

F

3/8" x 4" ANCHOR
BOLTS - 3 REQUIRED

G

H

I

J

K

L

WELD STEEL STRAP SUPPORT
(2"x4"x1/4") UNDER ONE SIDE.

30" SQ. x 6"
CONC. PAD

VALVE BOX ASSEMBLY WITH
FORD VALVE B44-777 OR
J1949 PER PLATE 303.

24"
NOTE 4

36"

2" COPPER
SERVICE

PAVEMENT

SADDLE FORD F2028 (AC & CAST IRON)
OR F2028S (C900 PVC) & CORP. STOP
(FB1000 OR FB 600 OR EQUAL.
LEAVE KEY TO SIDE & OPEN.

WATER MAIN

MAKERS LIST

A 20" DIA. STA. STEEL PIPE UNLESS OTHERWISE
INDICATED

B 2 - 90' STREET ELBOWS

C COMB. AIR RELEASE & AIR VAC. VALVE, APCO
HEAVY DUTY MODEL 145C

D TEST DRAIN VALVE - 1/2" I.P.T. x 3/4" H.T.

E 2" BRASS NIPPLE (3" LONG)

F 2" x 2" BRASS TEE

G 1/4" STEEL PLATE

H 2" BRASS BALL VALVE

I 2" x 2 1/2" INCREASE & 2 1/2 I.P.T. x 2 1/2"
FIRE HOSE THREAD ADAPTER

J WELD 2-1 1/2" x 1 1/2" x 1/2" ANGLES (2" LONG)
WITH 1/8" DIA. HOLE FOR PADLOCK

K 2-3" x 3" HEAVY DUTY HINGES. WELD TO STL.
PIPE (NON-REMOVABLE PINS)

L 3-3" x 3" x 1/4" GALV. ANGLES (2" WIDE) WITH
1/2" DIA. HOLE. WELD TO PIPE ON RIGID SIDE

NOTES:
1. PROTECTIVE COATING PER GENERAL REQUIREMENT SECTION.
2. BARRIERS SHALL BE PROVIDED FOR ALL INSTALLATIONS IN UNIMPROVED AREAS. (REFER TO PLATE 301)
3. AIR VACUUM RELEASE VALVES SHALL BE INSTALLED AT HIGH POINT OF MAIN WHEN THE ELEVATION OF
THE PIPE IS CHANGED BY 1/2 DIAMETER OR MORE FROM BOTH DIRECTIONS CAUSING AIR TO BE TRAPPED.
4. IF SIDEWALK IS ADJACENT TO CURB AND 5' OR LESS IN WIDTH, THEN A AIR-VAC. VALVE ASSEMBLY SHALL
BE PLACED 18" FROM FACE OF CURB.
5. ALL STEEL ENCLOSURE PARTS SHALL BE GALVANIZED AFTER FABRICATION.