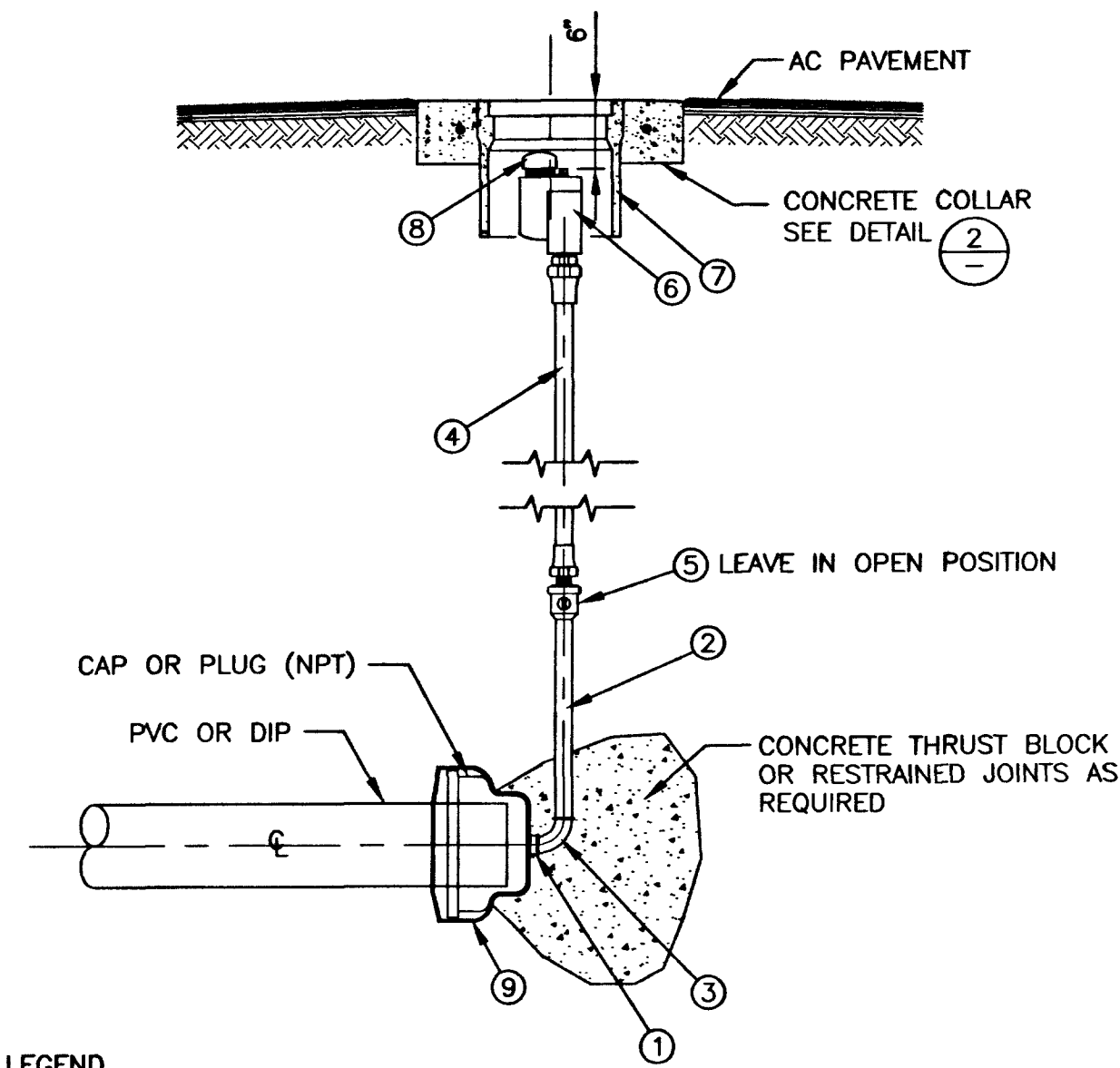




LEGEND

- ① 2" NYLON BUSHING
- ② 2" - BRASS NIPPLE (MALE x MALE)
- ③ 2" - 90° BRASS ELBOW (FEMALE x MALE)
- ④ 2" COPPER TUBING
- ⑤ 2" CORP STOP
- ⑥ 2" CURB STOP (KUPFERLE VALVE)
- ⑦ TRAFFIC VALVE BOX
- ⑧ 2" CAP
- ⑨ EIGHT (8) MIL POLYETHYLENE (WRAP ENTIRE CAP)

NOTES

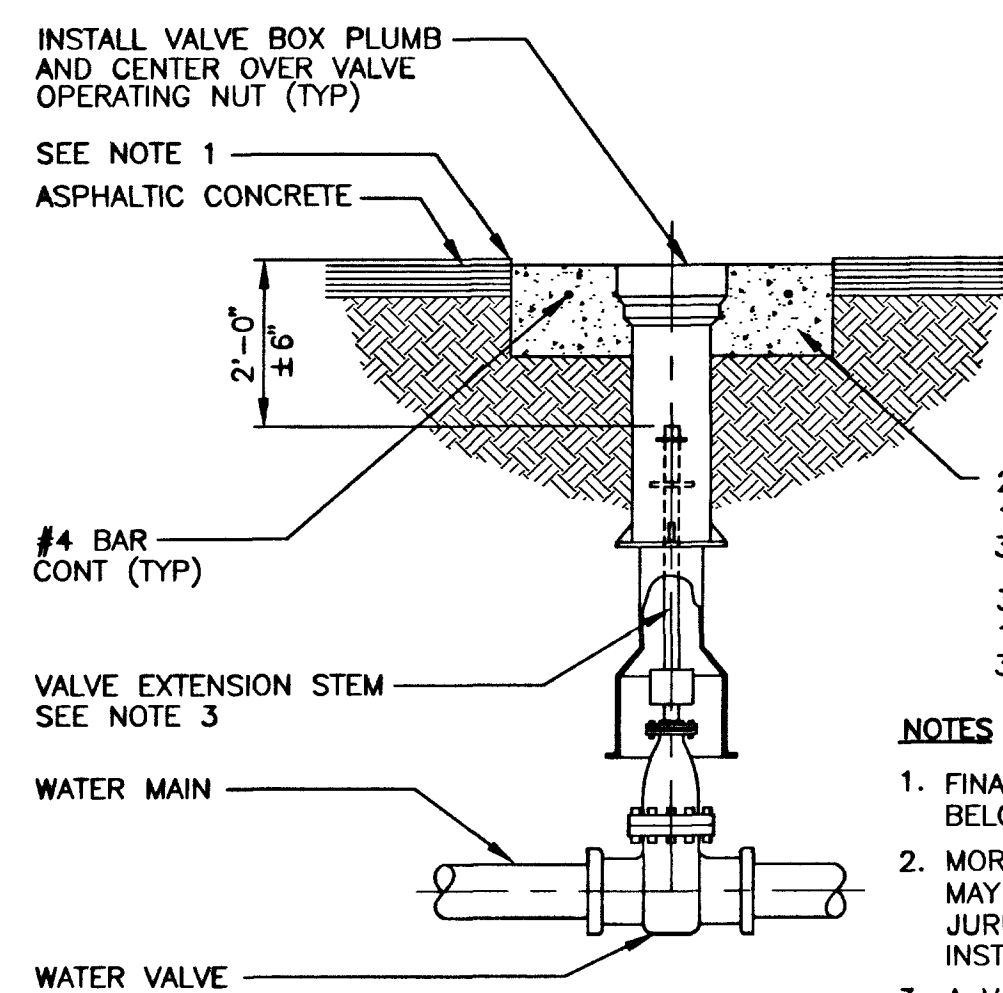
1. ALL COPPER TUBING AND BRASS PIPE SHALL BE WRAPPED WITH TWO LAYERS OF SIX (6) MIL POLYETHYLENE.
2. ALL COPPER TUBING AND BRASS PIPE SHALL BE BACKFILLED ALL AROUND WITH 4" MINIMUM OF SAND.

2' BLOW-OFF ASSEMBLY

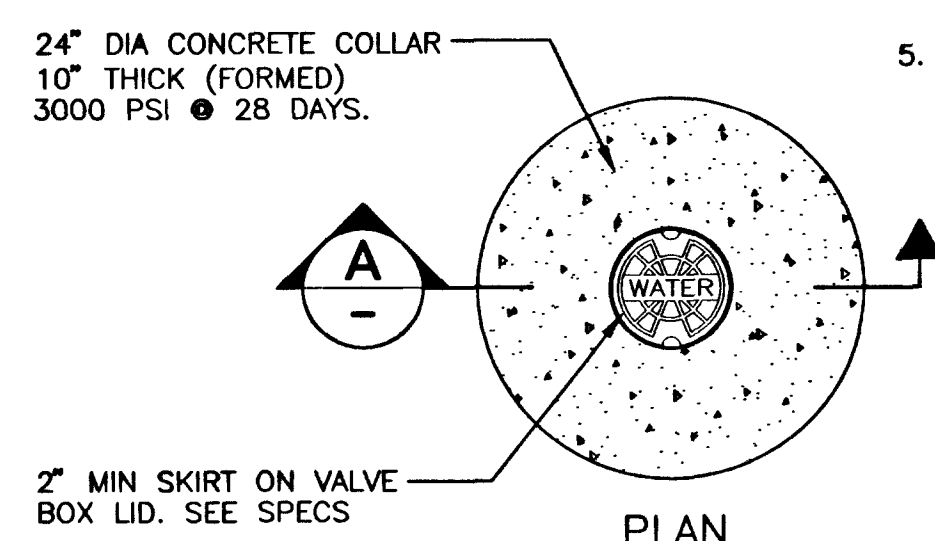
NOT TO SCALE

1

VALVE BOX INSTALLATION



SECTION "A"

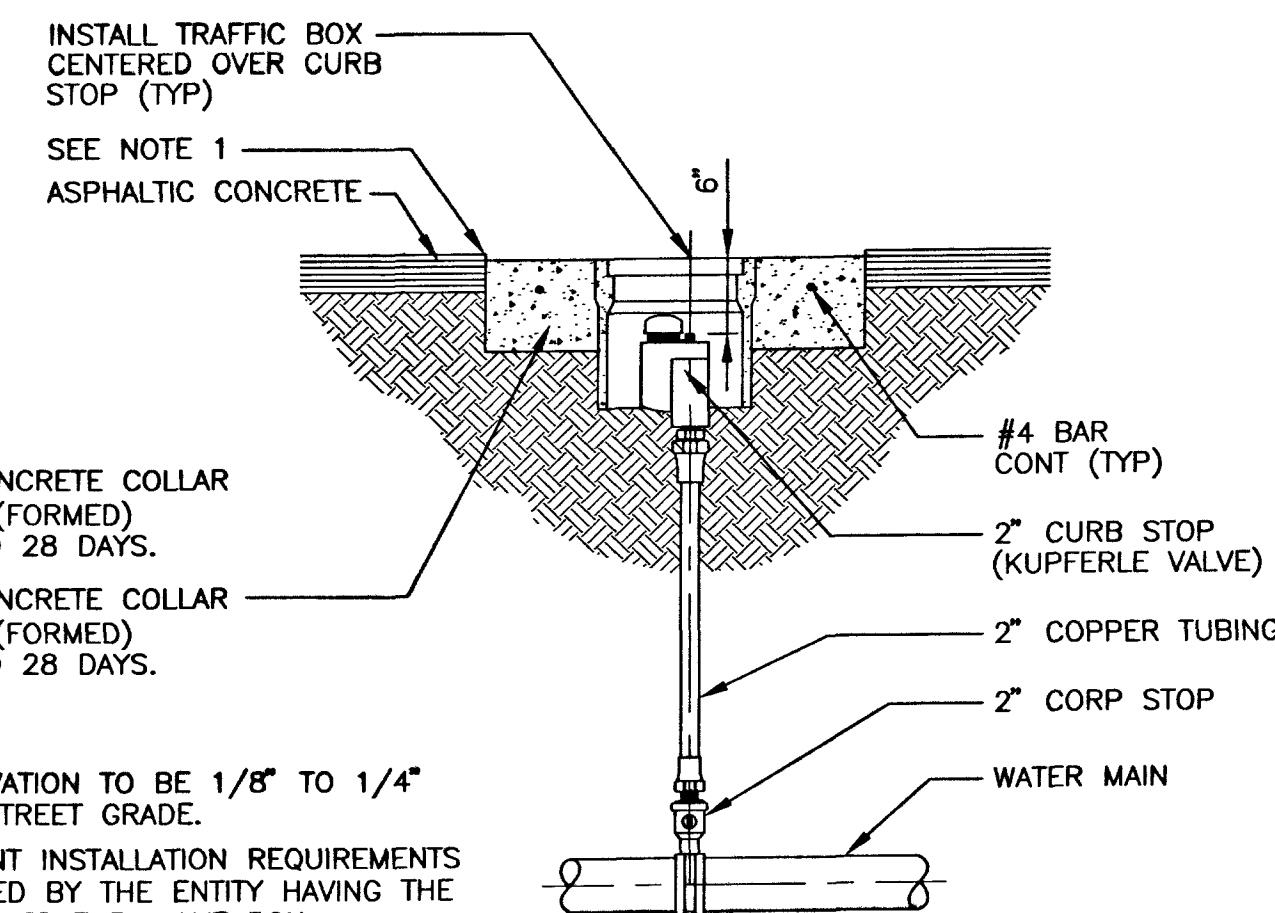


PLAN

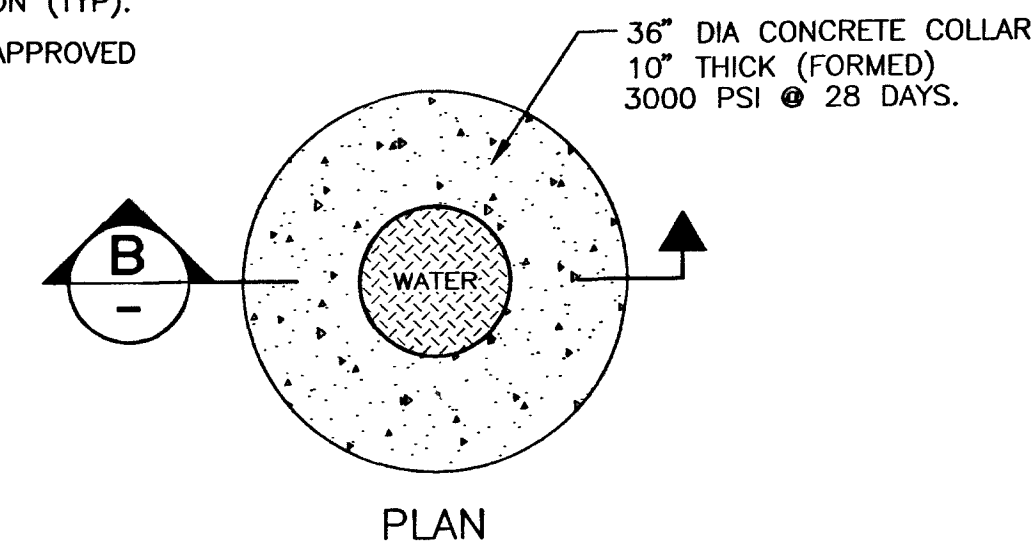
VALVE BOX AND TRAFFIC BOX INSTALLATION

NOT TO SCALE

TRAFFIC BOX INSTALLATION



SECTION "B"

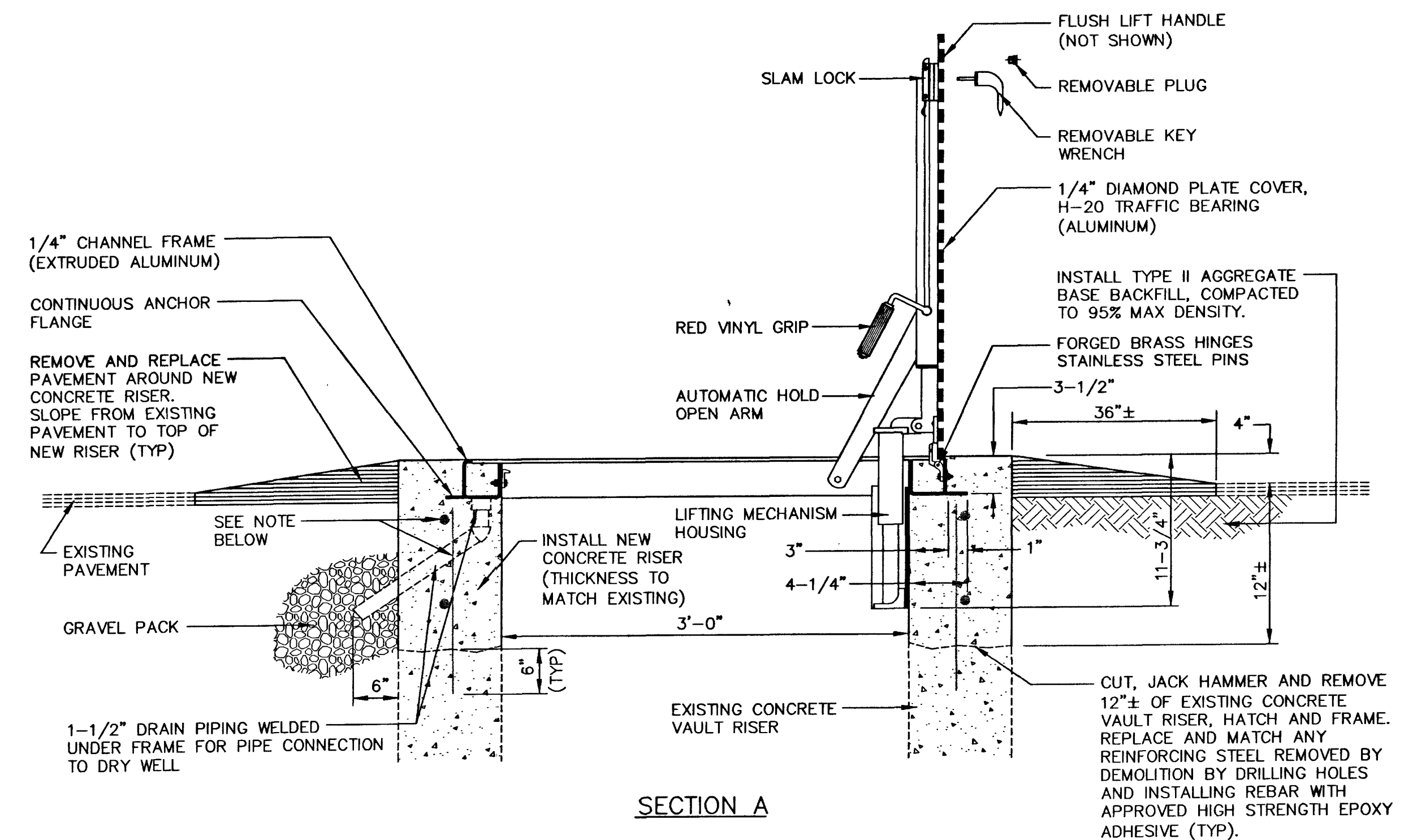


PLAN

NOTES

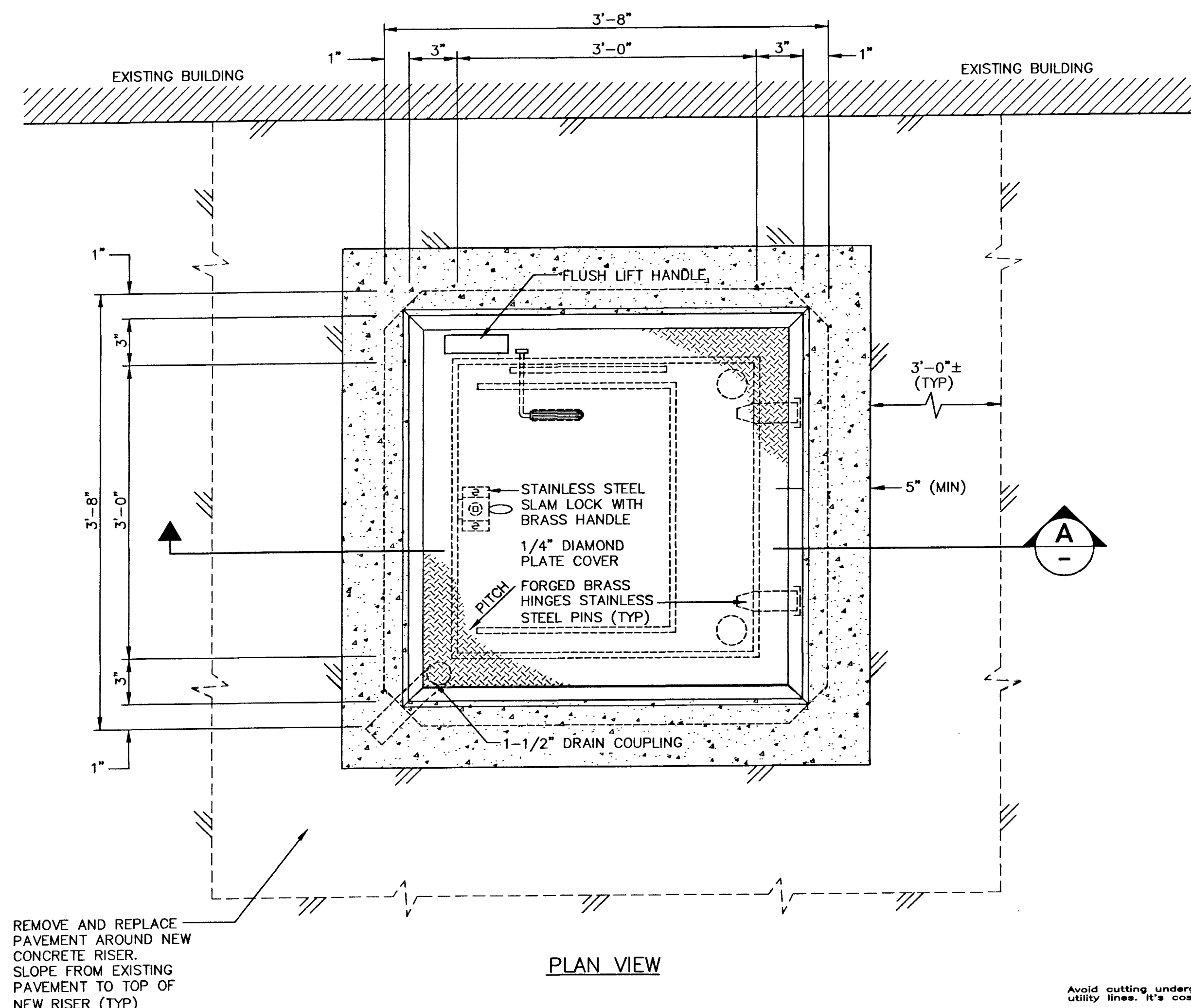
1. FINAL RIM ELEVATION TO BE 1/8" TO 1/4" BELOW FINAL STREET GRADE.
2. MORE STRINGENT INSTALLATION REQUIREMENTS MAY BE IMPOSED BY THE ENTITY HAVING THE JURISDICTION OVER THE VALVE BOX INSTALLATION LOCATION.
3. A VALVE EXTENSION STEM SHALL BE PROVIDED WHERE THE DEPTH TO THE OPERATING NUT EXCEEDS FIVE (5) FEET.
4. CONTRACTOR TO FORM CONCRETE COLLAR IN UNIMPROVED AREAS WITH SONOTUBE AND REMOVE PRIOR TO BACKFILL INSTALLATION (TYP).
5. SEE SPECIFICATIONS FOR ALL APPROVED PRODUCTS.

2



SECTION A

NOTE:
IF THERE IS NO EXISTING REINFORCING STEEL INSTALL (2) #4 BARS CONT (HORIZONTALLY) AND DRILL AND DOWEL IN #4 BARS @ 12" O.C. (VERTICALLY) WITH APPROVED HIGH STRENGTH EPOXY ADHESIVE (TYP).



PLAN VIEW

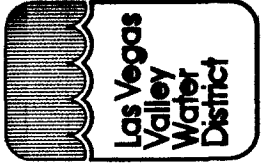
VAULT HATCH AND COLLAR INSTALLATION

NOT TO SCALE

3

Call before you Dig
1-800-227-2600

LAS VEGAS VALLEY
WATER DISTRICT
1001 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89153
702.876.6011



VERIFY SCALE
1/2" = 1'-0"
1/4" = 1'-0"
1/8" = 1'-0"

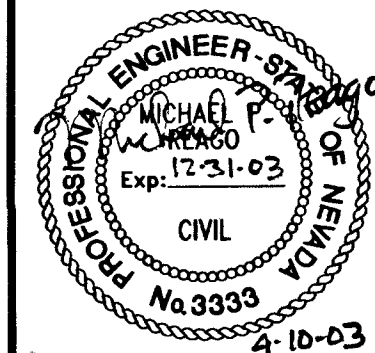
BAR REPRESENTS ONE AND ONE-HALF INCHES ON ORIGINAL

MISCELLANEOUS CAST IRON MAIN REPLACEMENT,
LADDS ADDITION
STANDARD DETAILS IV

SCALE
NONE

Plot: 09/13 04/10/03
I:\contract\co1089\active\C-1089-014-D-4.dwg

DRAWN BY: SDN/BV
CHECKED BY: RICHARD A. LADD
RECOMMENDED BY: MICHAEL P. REAGO
ACCEPTED BY: MICHAEL P. REAGO
DESIGN MANAGER: MICHAEL P. REAGO
DATE: 2/27/03
DATE: 2/27/03
DATE: 4-24-03
DATE: 4-24-03



CONTRACT NUMBER
C1089
DRAWING NUMBER D4
SHEET 14 OF 14