



CITY OF BUCKEYE
Engineering Department

Case Number: 16-08

Date: May 24, 2016

To: MAG Specifications and Details Committee

From: Craig Sharp

RE: Separate Valve Box Installation and Grade Adjustment

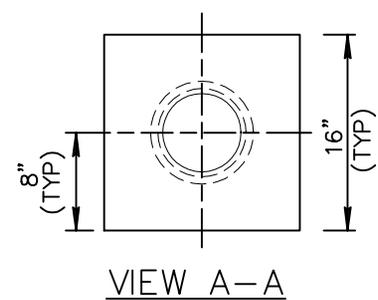
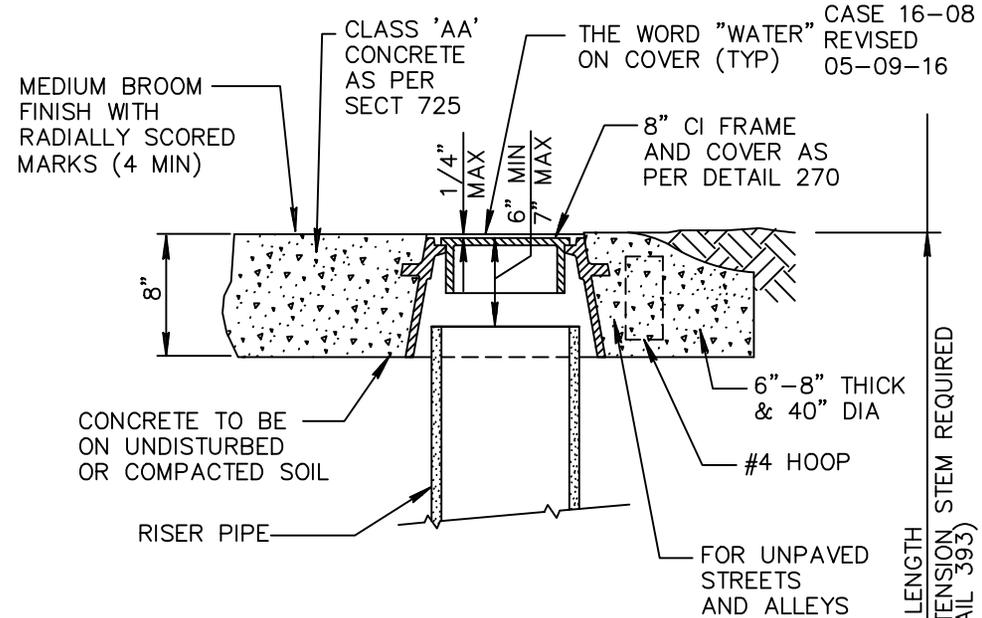
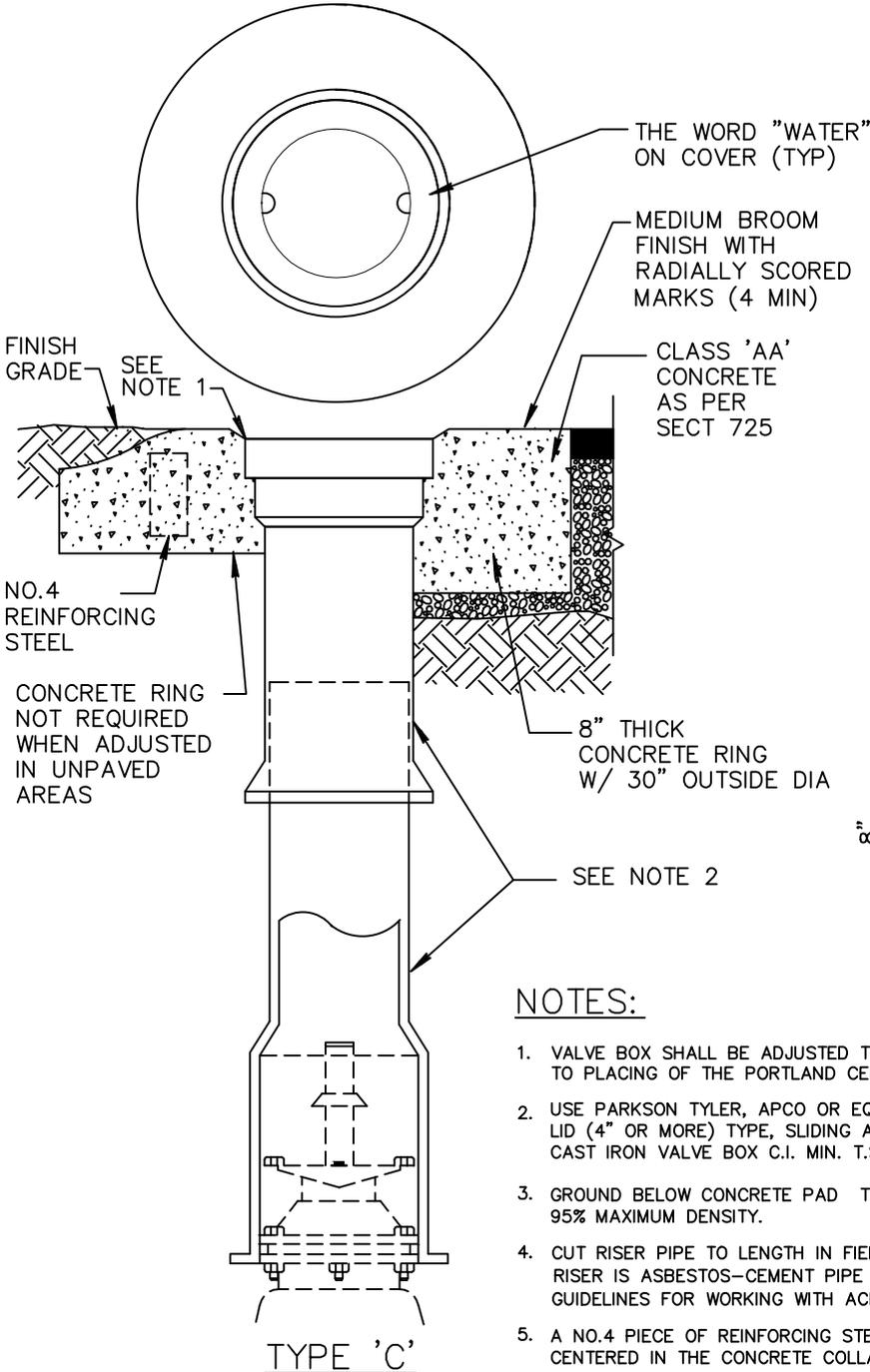
Purpose: These should be two separate sections

Revisions: To Detail 391-2 to remove Valve Stem extension drawing.

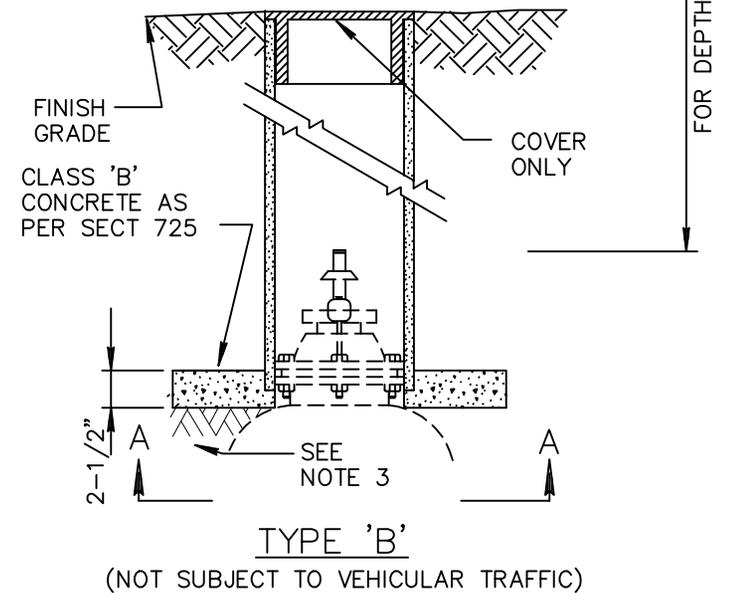
Create new Detail 393 for the valve stem extension.

Please find attached new drawing of valve stem extension

Updated: May 24, 2016



TYPE 'A'
(TO BE USED IN AREAS SUBJECT TO VEHICULAR TRAFFIC)



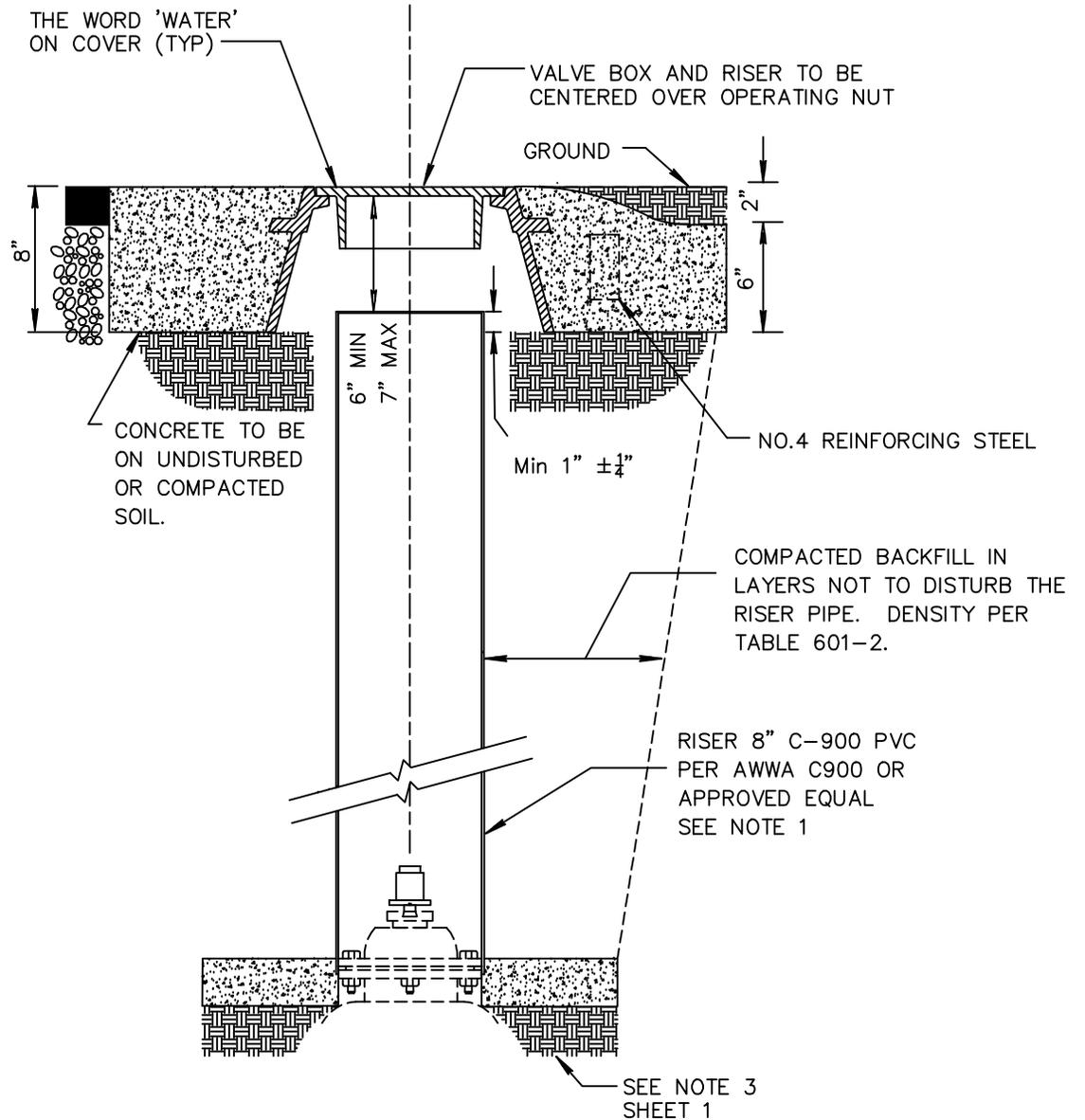
- NOTES:**
1. VALVE BOX SHALL BE ADJUSTED TO THE FINISHED GRADE PRIOR TO PLACING OF THE PORTLAND CEMENT CONCRETE SURFACE.
 2. USE PARKSON TYLER, APCO OR EQUAL DEEP SKIRTED LID (4" OR MORE) TYPE, SLIDING ADJUSTABLE CAST IRON VALVE BOX C.I. MIN. T.S. 30,000 P.S.I.
 3. GROUND BELOW CONCRETE PAD TO BE COMPACTED 95% MAXIMUM DENSITY.
 4. CUT RISER PIPE TO LENGTH IN FIELD. **CAUTION:** IF EXISTING RISER IS ASBESTOS-CEMENT PIPE (ACP) FOLLOW OSHA GUIDELINES FOR WORKING WITH ACP.
 5. A NO.4 PIECE OF REINFORCING STEEL SHALL BE CENTERED IN THE CONCRETE COLLAR

NOTES:

1. IF TWO OR MORE SECTIONS OF PIPE ARE USED TO MAKE THE VALVE BOX RISER, THEY SHALL BE COUPLED OR BONDED TO FORM DEBRIS-TIGHT JOINTS.
2. ALL CONCRETE SHALL BE MAG CLASS 'AA' CONCRETE PER SECTION 725 WITH RADIAL SCORED JOINTS AND MEDIUM BROOM FINISH.
3. CONCRETE COLLAR TO HAVE BE 40" SQUARE OR ROUND.
4. VALVE BOX SHALL BE CENTERED AROUND THE OPERATING NUT.
5. THE TOP OF THE VALVE SHALL BE KEPT CLEAN.
6. A NO.4 PIECE OF REINFORCING STEEL SHALL BE CENTERED IN THE CONCRETE COLLAR

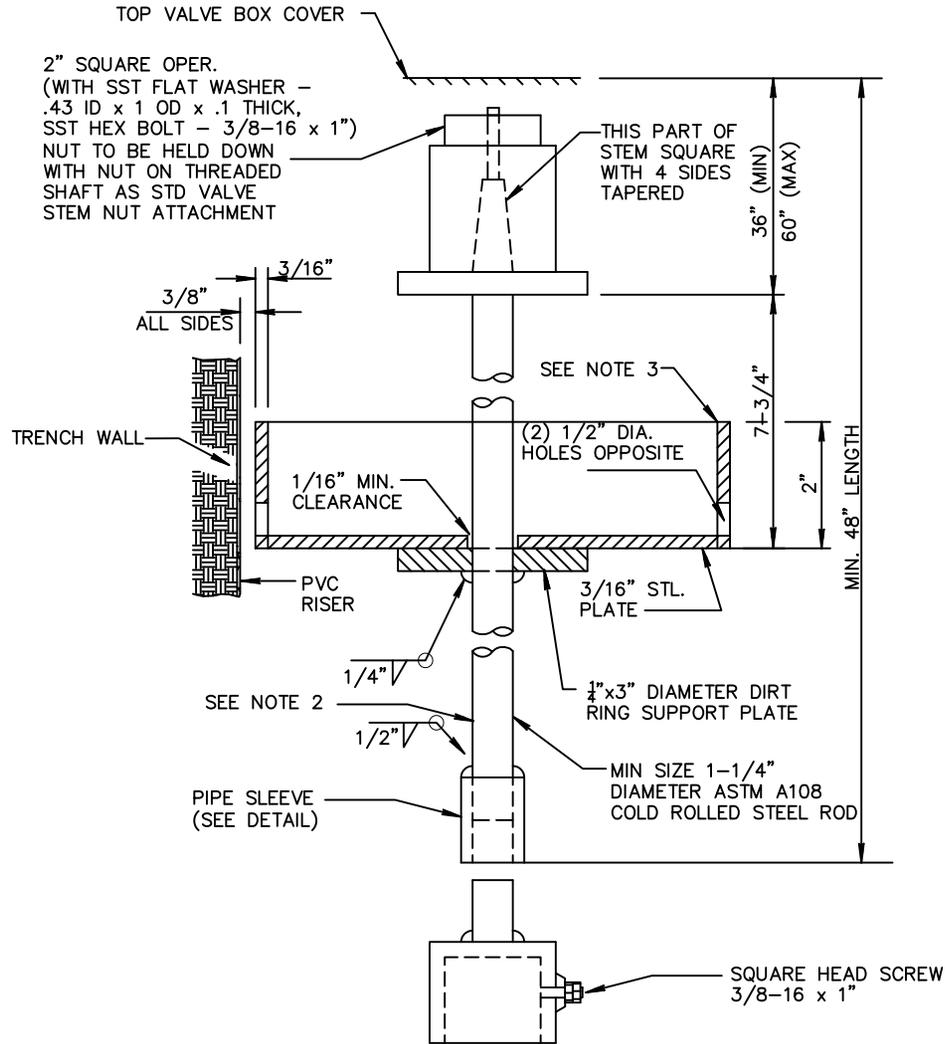
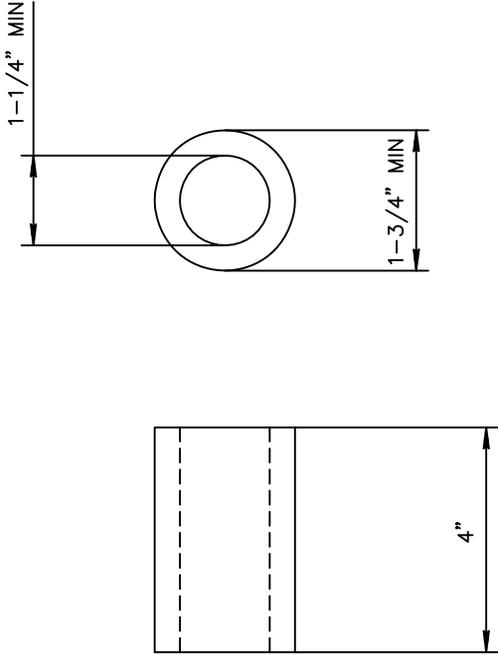
8" CI FRAME
AND COVER AS PER
DETAIL 270

CASE 16-08
REVISED 05-09-16



PIPE SLEEVE DETAIL

MATL: STEEL PER ASTM A513



NOTES:

1. EXTENSION STEM: WITH SQUARE SOCKET ON BOTTOM TO FIT 2" SQUARE VALVE OPERATING NUT. EXTENSION OF VALVE STEMS REQUIRED ON ALL VALVES INSTALLED WHERE THE OPERATING NUT IS OVER 5' BELOW THE SURFACE. LENGTH TO FIT EACH INSTALLATION. OPERATING NUT TO BE HELD ON TOP OF EXTENSION WITH STOP NUT.
2. STEM PAINTING: ALL STEEL TO HAVE A PRIME COAT OF PAINT NO. 1-D AND ONE HEAVY APPLICATION (FINISH COAT) OF PAINT NO. 9 AS PER SECT. 790.
3. DIRT RING TO FLOAT FREELY ON THE TOP OF THE SUPPORT PLATE.