Date: October 4, 2011
To: MAG Specifications and Details Committee
From: Scott Zipprich, Town of Buckeye Representative
Subject: Detail 423, 424
Case: 11-13

PURPOSE: To replace the current manhole frame and cover details with updated
details of products that are currently being manufactured. This also
includes referencing the proper Class and AASHO references.

REVISION: The revisions will consist of replacement of details 423-1, 423-2, 424-1
and 424-2. The revisions will modify the current MAG Detail to show the
frames and covers that are currently being supplied to the Cities in the
valley. The modifications proposed are very minute and consist of adding
a gasket to the current water tight lids. There are many dimensions in the
current details that are not correct. Those dimensions have been updated
to match the current product supplied.
NOTE:
LETTERING ON MANHOLE COVER TO CONTAIN NAME OF AGENCY AND UTILITY FOR WHICH MANHOLE IS NEEDED, (I.E. "PHOENIX SANITARY SEWER"), OR AS DIRECTED. THE TOTAL WIDTH OF INDIVIDUAL LETTERS TO BE SUCH THAT LETTERS AND WORDS ARE EQUALLY SPACED AND BALANCED TO FORM A COMPLETE CIRCLE WITH SPACERS BEFORE AND AFTER THE WORD IDENTIFYING THE AGENCY INVOLVED. LETTERS TO BE 2" IN HEIGHT AND RAISED FLUSH W/ TOP OF RINGS. TYPE OF LETTERS TO BE SUBMITTED FOR APPROVAL. WEIGHT OF CASTINGS SHALL BE NO MORE THAN 2% MORE OR LESS THAN THE APPROXIMATE WEIGHT SPECIFIED. CASTINGS SHALL CONFORM TO ASTM A-48, CLASS 35 AND AASHTO M306. THE BEARING SURFACES OF THE FRAMES AND COVERS SHALL BE MACHINED AND THE COVERS SHALL SEAT FIRMLY WITHOUT ROCKING. ALL DIMENSIONS SHALL HAVE A 1/16" TOLERANCE.
NOTE:
Lettering on manhole cover to contain name of agency and utility for which manhole is needed, (i.e. "Phoenix sanitary sewer"), or as directed. The total width of individual letters to be such that letters and words are equally spaced and balanced to form a complete circle with spacers before and after the word identifying the agency involved. Letters to be 2" in height and raised flush w/ top of cover. Type of letters to be submitted for approval. Weight of castings shall be no more than 2% more or less than the approximate weight specified. Castings shall conform to ASTM A-48, Class 35 and AASHTO M306. The bearing surfaces of the frames and covers shall be machined and the covers shall seat firmly without rocking. All dimensions shall have a 1/16" tolerance.
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