



MARICOPA COUNTY
Department of Transportation

MEMORANDUM

Date: July 8, 2013

To: MAG Specifications and Details Committee

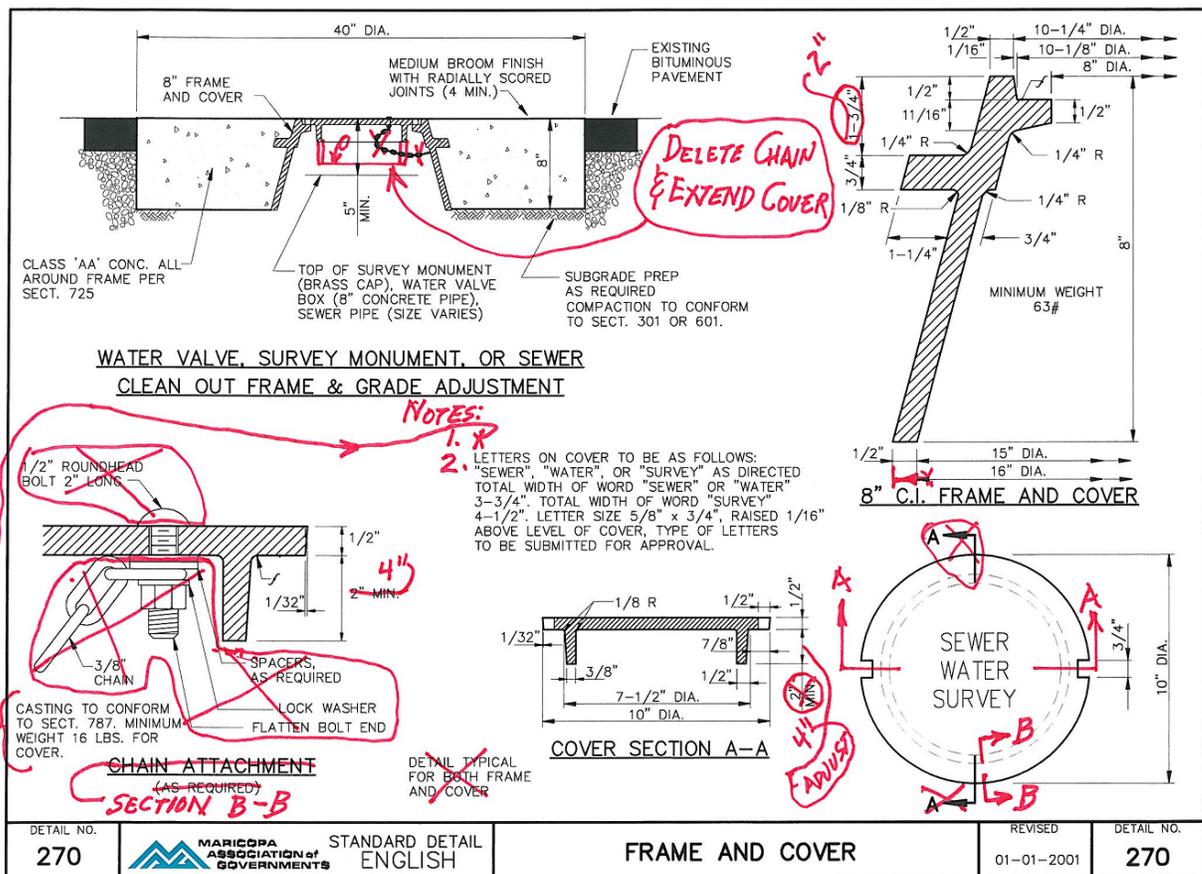
From: Robert Herz, MCDOT Representative

Subject: Revisions for Detail 270 FRAME AND COVER Case 13-24

PURPOSE: Revise detail to match frame and covers currently being used.

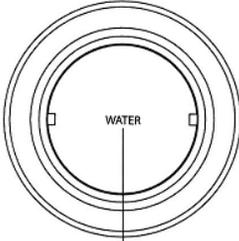
REVISIONS:

- Delete chain and increase lid depth to four inches.
- Revise lid depth shown on Detail 270 and referenced on Detail 391-1.

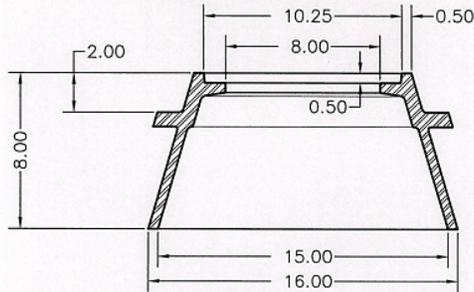
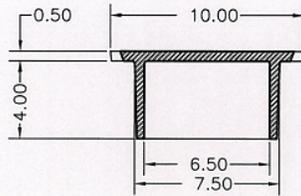


DETAIL 198 VALVE BOX

VB-0029



LID LETTER OPTIONS
WATER
SEWER
SURVEY
*Unless specified, all VB shipped with "WATER" lids.



ITEM CODE	DETAILS
VBDTL198	COMPLETE
VBDTL198L	WATER LID
VBDTL198LSE	SEWER LID
VBDTL198LSU	SURVEY LID
VBDTL198B	BASE

Notes:
 - Material - Cast Iron
 Per ASTM A48 Class 30B
 - Dimensions in inches

THE WORD "WATER" ON COVER (TYP.)

MEDIUM BROOM FINISH WITH RADIALLY SCORED MARKS (4 MIN.)

CLASS 'AA' CONCRETE AS PER SECT. 725

CONCRETE TO BE ON UNDISTURBED OR COMPACTED SOIL

8" CONCRETE PIPE. PIPE LENGTH CUT IN FIELD TO SUIT. (TYP.)

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

TYPE 'B'
(NOT SUBJECT TO VEHICULAR TRAFFIC)

VIEW A-A

NOTES:

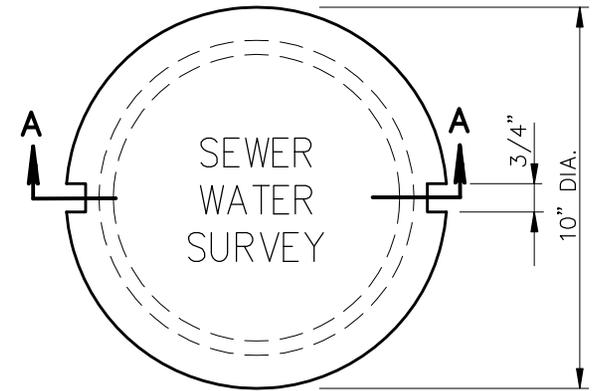
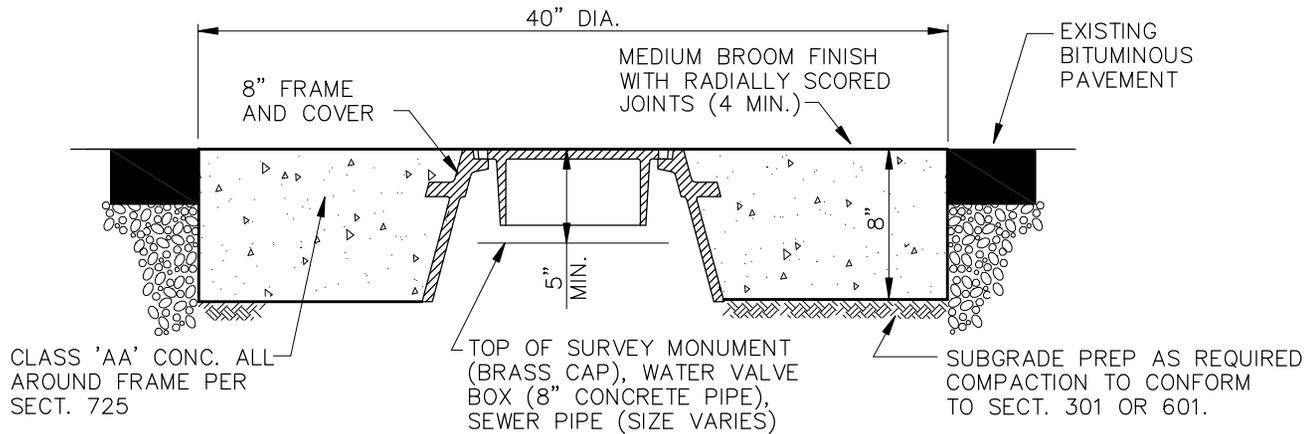
- VALVE BOX SHALL BE ADJUSTED TO THE FINISHED GRADE PRIOR TO PLACING OF THE PORTLAND CEMENT CONCRETE SURFACE.
- USE PARKSON TYLER, APCD OR EQUAL DEEP SKIRTED LID (4" OR MORE) TYPE, SLIDING ADJUSTABLE CAST IRON VALVE BOX C.I. MIN. T.S. 30,000 P.S.I.
- GROUND BELOW CONCRETE PAD OR 3 BRICKS TO BE COMPACTED 95% OF MAX. DENSITY.

Handwritten note: ADJUST LID DEPTH

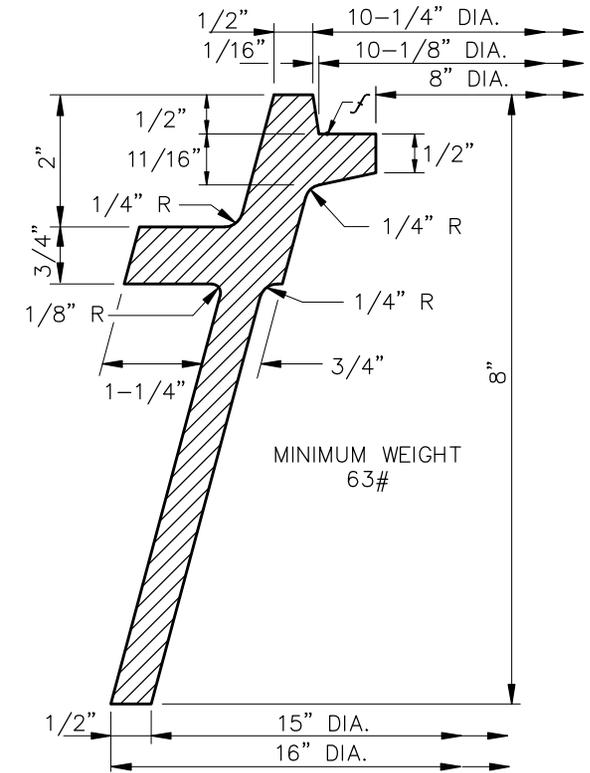
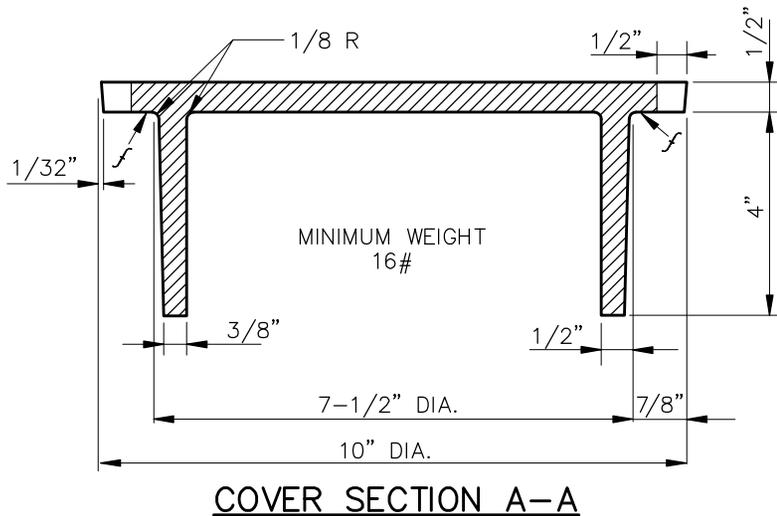
Handwritten note: 8" C.I. FRAME AND COVER AS PER DETAIL 270

Handwritten note: 5" (MAX.) LENGTH OVER EXHAUSTION STEM REQUIRED (SEE SHEET 2)

DETAIL NO. 391-1 | **MARICOPA ASSOCIATION OF GOVERNMENTS** | **STANDARD DETAIL ENGLISH** | **VALVE BOX INSTALLATION AND GRADE ADJUSTMENT** | **REVISED 01-01-2014** | **DETAIL NO. 391-1**



**CLEAN OUT FRAME & GRADE ADJUSTMENT
WATER VALVE, SURVEY MONUMENT, OR SEWER**



8" C.I. FRAME AND COVER

NOTES:

1. CASTING TO CONFORM TO SECT. 787.
2. LETTERS ON COVER TO BE AS FOLLOWS:
"SEWER", "WATER", OR "SURVEY" AS DIRECTED TOTAL WIDTH OF WORD "SEWER" OR "WATER" 3-3/4". TOTAL WIDTH OF WORD "SURVEY" 4-1/2". LETTER SIZE 5/8" x 3/4", RAISED 1/16" ABOVE LEVEL OF COVER, TYPE OF LETTERS TO BE SUBMITTED FOR APPROVAL.
3. \int INDICATES MACHINE FINISHED SURFACE.

DETAIL NO.

270



STANDARD DETAIL
ENGLISH

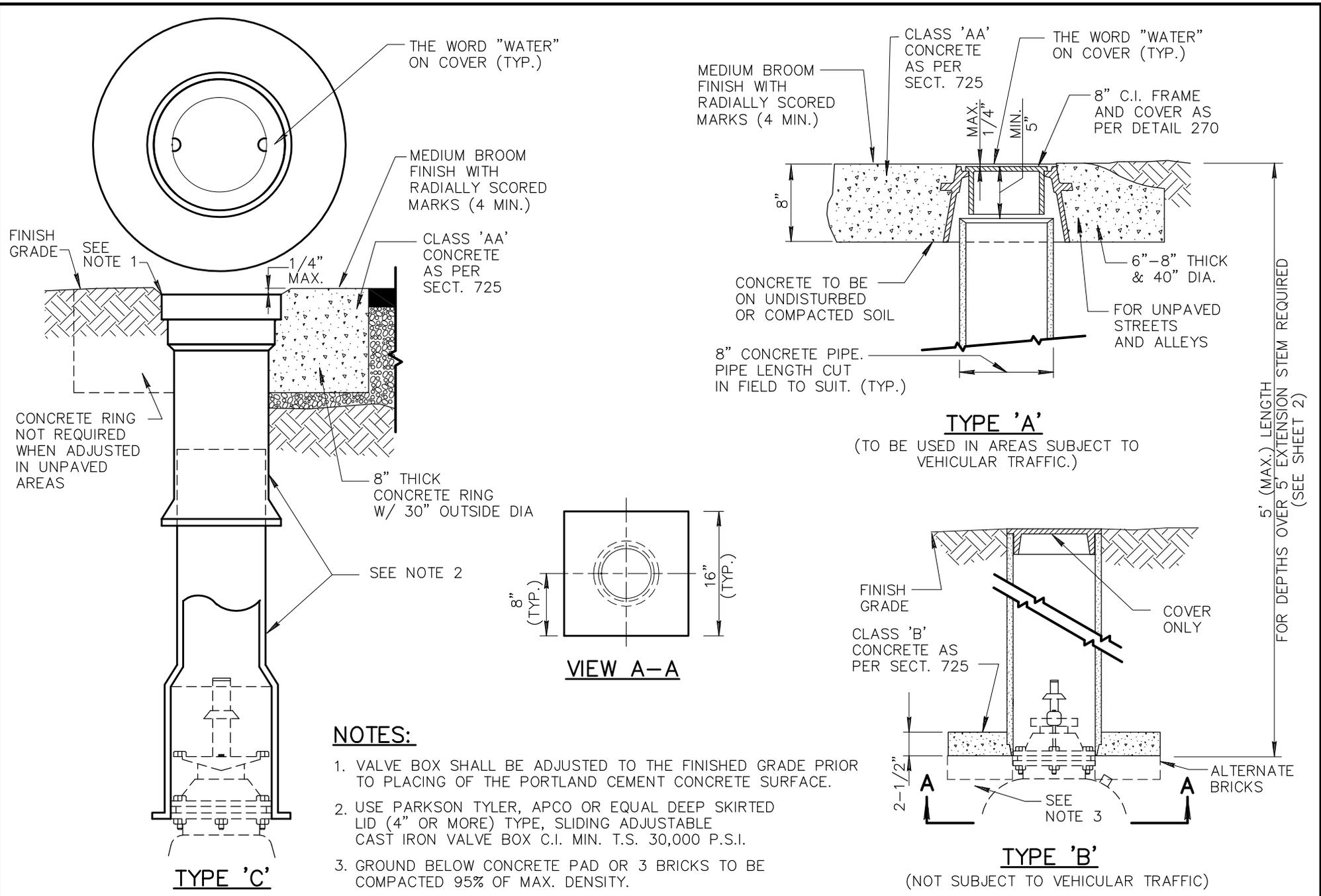
FRAME AND COVER

REVISED

01-01-2014

DETAIL NO.

270



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 OR 3 BRICKS TO BE COMPACTED 95% OF MAX. DENSITY.

DETAIL NO.
391-1



STANDARD DETAIL
ENGLISH

**VALVE BOX INSTALLATION
AND GRADE ADJUSTMENT**

REVISED
01-01-2014

DETAIL NO.
391-1