



Chandler • Arizona
Where Values Make The Difference

MEMORANDUM

Case # 15-05

DATE: January 6, 2016

TO: MAG Specifications and Details Committee Members

FROM: Warren White, City of Chandler Representative

SUBJECT: Proposed Revisions to Detail 270 and Section 616 (UPDATE)

Purpose: Incorporate a square frame and cover intended for reclaimed water valve construction meeting ADEQ requirements (option to colored purple)

Revisions:

- New “SQUARE FRAME AND COVER AND GRADE ADJUSTMENT” Detail 270-2.
- Revise current Detail 270, FRAME AND COVER to “ROUND FRAME AND COVER” and revise detail number to 270-1.
- Revise Section 616 Reclaimed Water Line Construction as follows:

616.2 MATERIALS:

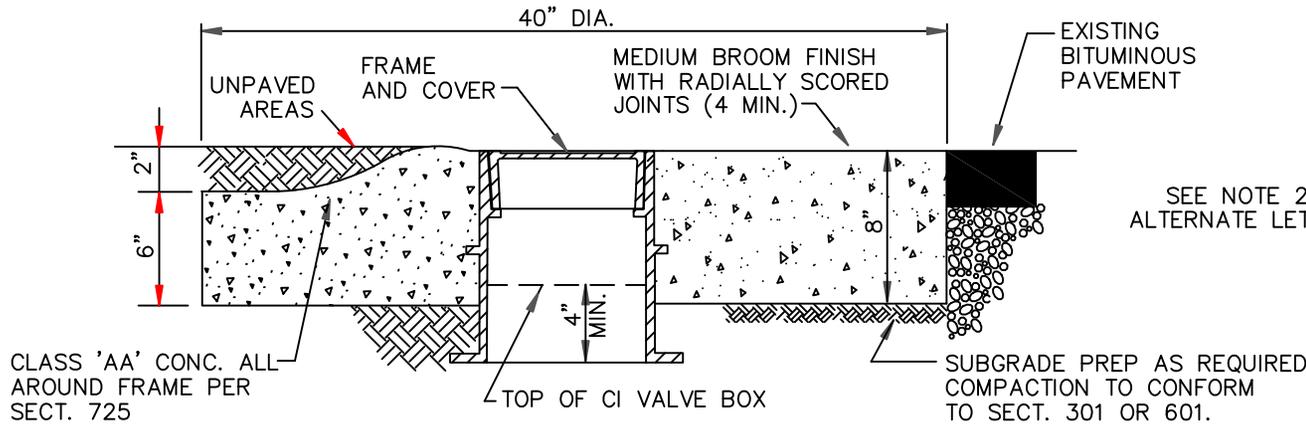
Pipe materials shall be in accordance with Section 610.

Valves shall be in accordance with Sections 610 and 630.

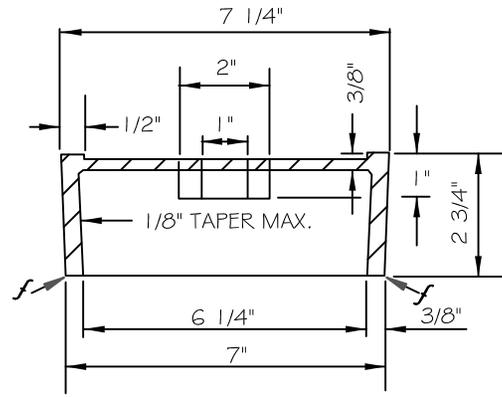
Valve boxes shall be in accordance with Section 345, this Section and Detail 391-1 and 391-2. Frame and cover shall be in accordance with Detail 270-1 or 270-2, per Agency requirements. Manholes shall be in accordance with Section 625, 787 and this Section, and applicable Details.

Notes:

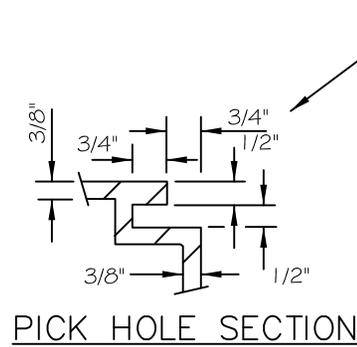
Arizona Administrative Code R18-9 Article 6 Reclaimed Water Conveyances requires mechanical appurtenances (valves) to be colored purple or legibly marked to identify it as part of the reclaimed water distribution system and distinguish it from systems for potable water distribution and sewage systems. Some municipalities have been using a square frame and cover for this purpose.



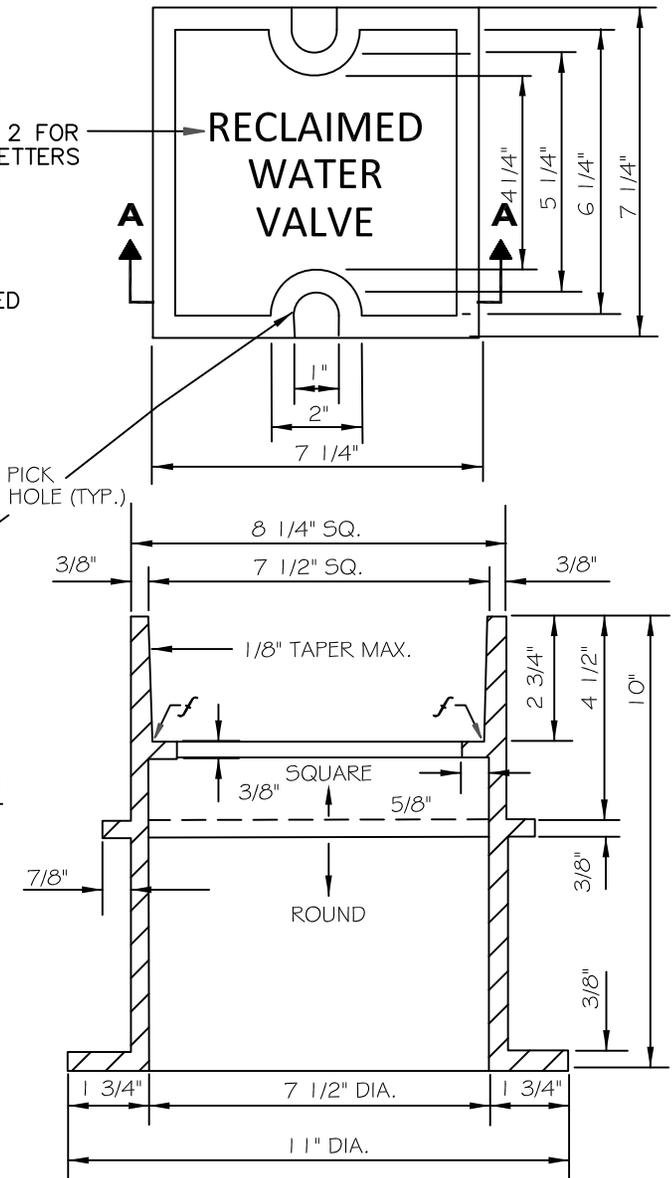
GRADE ADJUSTMENT FOR FRAME AND COVER



COVER SECTION A-A



PICK HOLE SECTION



C.I. FRAME AND COVER

NOTES:

1. CASTING TO CONFORM TO SECT. 787.
2. LETTERS ON COVER TO BE AS FOLLOWS, PER AGENCY REQUIREMENTS:
3/4" HIGH "RECLAIMED WATER VALVE" OR 1/2" HIGH "NONPOTABLE WATER VALVE".
LETTERS TO BE RAISED 1/16". TYPE OF LETTERS TO BE SUBMITTED FOR APPROVAL.
3. *f* INDICATES MACHINE FINISHED SURFACE.
4. VALVE BOX SHALL HAVE A ROUND BOTTOM TO ACCOMMODATE RISER PIPE.