

Memo

To: MAG Standard Specification and Details Committee Members
From: MAG Water and Sewer Sub-Committee
Date: 11/15/20112 (*To Be Distributed in January 2012*)
Re: MAG Detail 360 (Fire Hydrant Detail) Update

Revised MAG Fire Hydrant Detail:

The MAG Water and Sewer Sub-Committee has revised the MAG Standard Detail 360 - Fire Hydrant Details and is requesting that all local Fire Departments and Engineering Departments review and make comments on the revised detail for the upcoming MAG Standard Specifications and Details Committee in 2012.

Task:

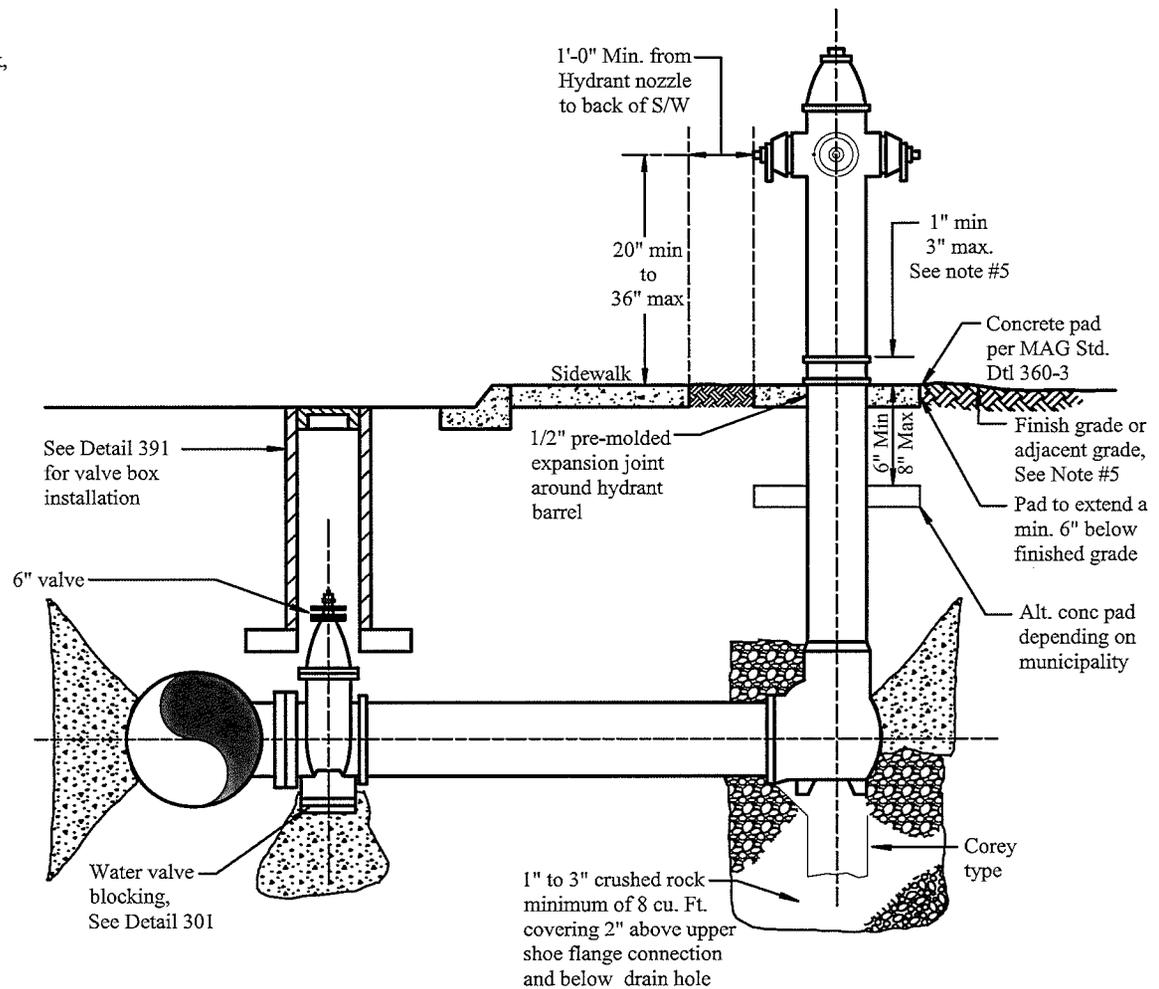
Please distribute or forward the enclosed revised details to the local Fire Department Representative and Engineering Department Representative to review and comment. Comments shall be returned to the MAG Water and Sewer Sub-Committee at the February 21, 2012 meeting (**est date**) for review and discussion.

- DTL 360-1 Dry Barrel Fire Hydrant Installation
- DTL 360-2 Wet Barrel Fire Hydrant Installation
- DTL 360-3 Fire Hydrant Installation

Please contact _____ at _____ with any questions.

General Notes:

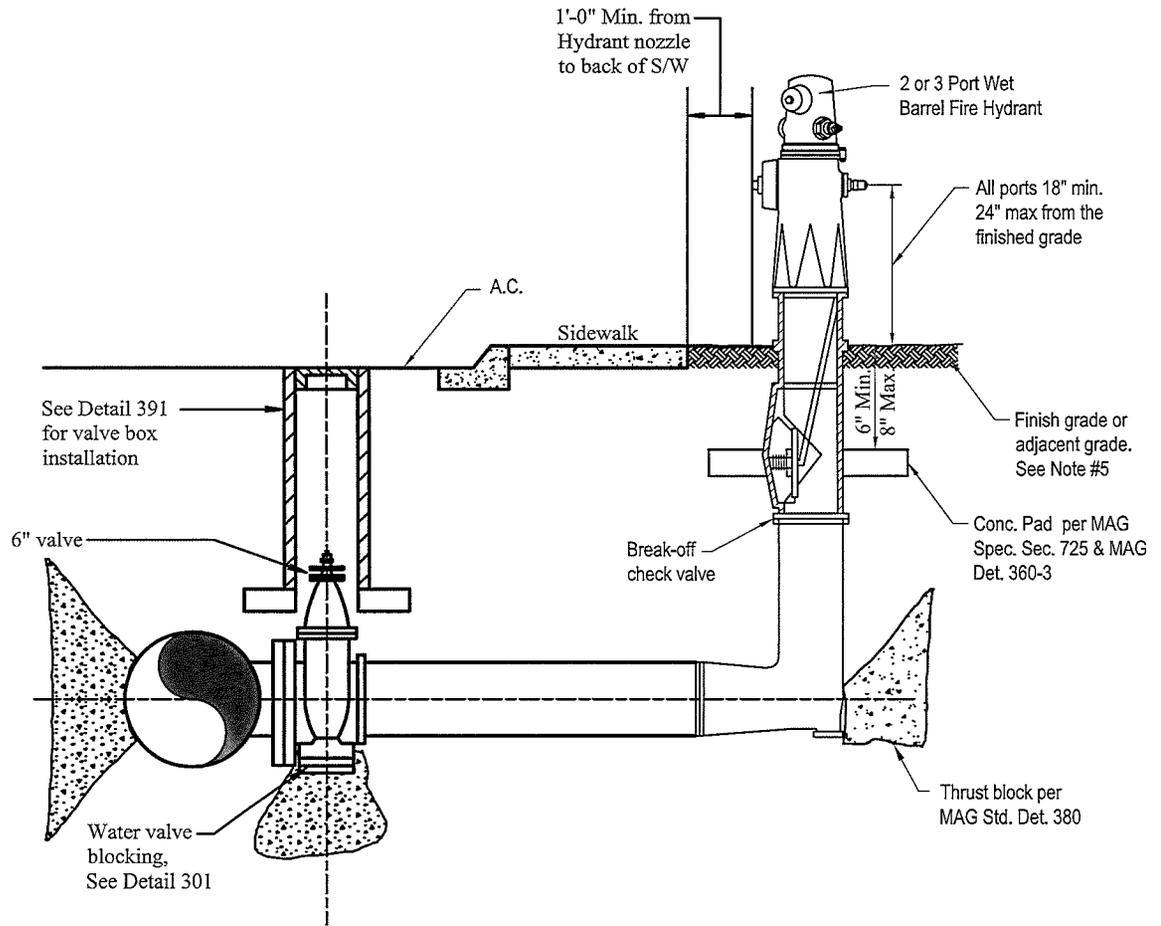
1. Joints between the valve and the main shall be flanged type. Joints between the valve and hydrant shall be restraint or mechanical type.
2. Restraints shall be per MAG Std. Det. 380 (thrust block) or Mechanical Restraint depending on Municipality
3. A flange joint by mechanical joint valve may be used as the transition between the joint types.
4. Piping between water valve and hydrant shall be ductile iron.
5. Finish grade shall be ground level, sidewalk, adjacent sidewalk, pavement, adjacent curb or other nearby obstruction denying wrench access to the bottom flange bolts.
6. See Detail 362 for location of hydrant.
7. Main steamer nut shall face the street.
8. No valves are to be in thrust block concrete.
9. Minimum 3-foot diameter clearance around hydrant.
10. National standard threads required on all connections unless otherwise directed.
11. 1/2" bituminous expansion shall be placed around the barrel of the F/H.
12. See Detail 360-3 for Concrete Pad.
13. See MAG Std. Spec. 756 (Material).



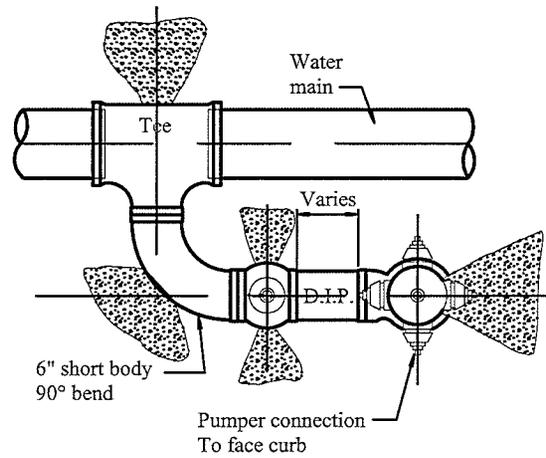
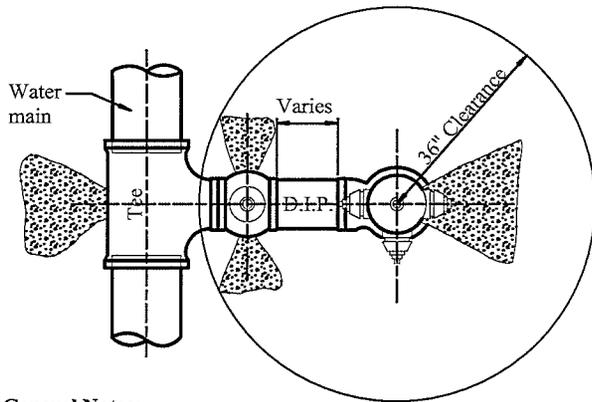
DETAIL NO. 360-1	 MARICOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	DRY BARREL FIRE HYDRANT INSTALLATION	REVISED 04-27-2011	DETAIL NO. 360-1
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General Notes:

1. Joints between the valve and the main shall be flanged type. Joints between the valve and hydrant shall be restraint or mechanical type.
2. Restraints shall be per MAG Std. Det. 380 (thrust block) or Mechanical Restraint depending on Municipality
3. A flange joint by mechanical joint valve may be used as the transition between the joint types.
4. Piping between water valve and hydrant shall be ductile iron.
5. Finish grade shall be ground level, sidewalk, adjacent sidewalk, pavement, adjacent curb or other nearby obstruction denying wrench access to the bottom flange bolts.
6. See Detail 362 for location of hydrant.
7. Main steamer nut shall face the street.
8. No valves are to be in concrete.
9. Minimum 3-foot diameter clearance around hydrant.
10. National standard threads required on all connections unless otherwise directed.
11. 1/2" bituminous expansion shall be placed around the barrel of the F/H.
12. See Detail 360-3 for Concrete Pad.
13. The hydrant shall have 2- 2½" port and 1- 4½" port (industrial or commercial).
14. The hydrant shall have 1- 2½" port and 1- 4½" port (residential).
15. Consistent Manufacturers is required

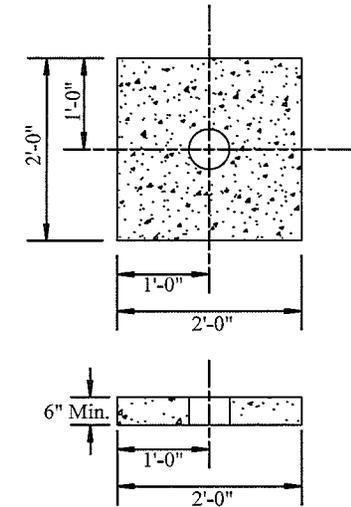


DETAIL NO. 360-2	 MARICOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	WET BARREL FIRE HYDRANT INSTALLATION	REVISED 04-27-2011	DETAIL NO. 360-2
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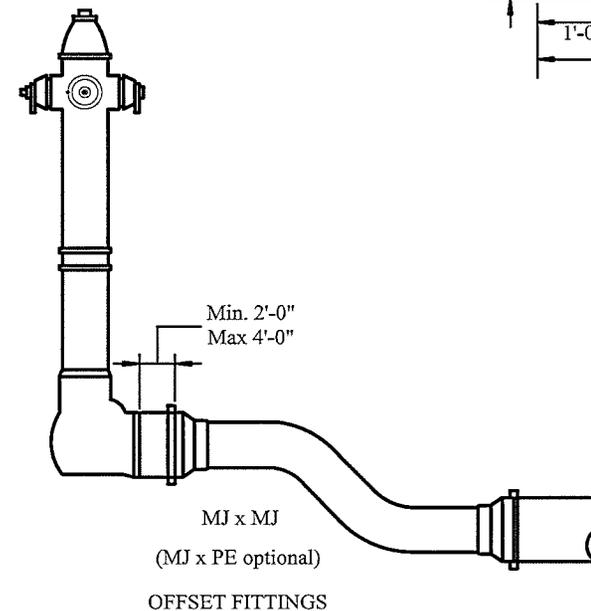
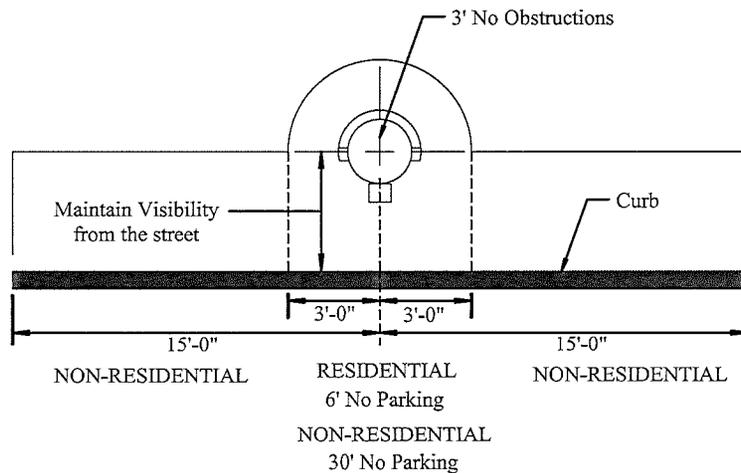
Pad Detail

Square or round is acceptable
If Round: 24" diameter min. required



General Notes:

1. Concrete for pad shall be Class "B".
2. Round pads shall have a diameter not less than 24".
3. Score line shall bisect this pad at mid point of all sides.
4. Concrete color shall match adjacent concrete.
5. The finished concrete surface shall have a rough broom finish (surface only).
6. Multiple offset fittings shall not be allowed.
7. Offset fittings shall generally not be installed under pavement.
8. Offset fitting can be used on wet or dry barrel hydrants



DETAIL NO.

360-3



STANDARD DETAIL
ENGLISH

FIRE HYDRANT INSTALLATION

REVISED

04-27-2011

DETAIL NO.

360-3