

**NOTE:**

1. REFER TO SHEET 2 OF 2 FOR APPLICABLE "NOTES".

CITY OF PEMBROKE PINES  
ENGINEERING/UTILITIES DIVISION

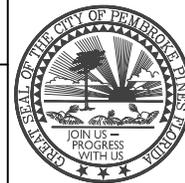
STANDARD WATER  
DISTRIBUTION DETAIL

APPROVED:     K.M.K.    

REVISED:

DATE:     04/23/19    

FIRE HYDRANT



**W-1**

SHEET 1 OF 2

**NOTES:**

1. FIRE HYDRANT SHALL BE 'AMERICAN DARLING' OR 'MUELLER' TYPE HAVING A MINIMUM 51/4" BOTTOM VALVE OPENING WITH A 41/2" PUMPER NOZZLE AND TWO (2) 21/2" HOSE NOZZLE OUTLETS. FIRE HYDRANT SHALL BE FACTORY PAINTED O.S.H.A. YELLOW.
2. PUMPER NOZZLE OF THE FIRE HYDRANT TO FACE THE NEAREST ADJACENT STREET/ROADWAY, ACCESS DRIVE OR PARKING ACCESS DRIVE/AISLE AND A BLUE REFLECTIVE PAVEMENT MARKER (RPM) SHALL BE INSTALLED IN THE CENTER OF THE TRAVEL LANE OF THE NEAREST ADJACENT STREET/ROADWAY, ACCESS DRIVE OR PARKING ACCESS DRIVE/AISLE.
3. FIRE HYDRANT BURY LINE TO MATCH ADJACENT STREET/ROADWAY CROWN ELEVATION, AS MAY BE APPLICABLE, AND THE CLEARANCE BETWEEN THE BOTTOM OF THE BOLTS OF THE BREAKAWAY FLANGE AND GRADE SHALL BE 6" MINIMUM.
4. FIRE HYDRANTS SHALL BE LOCATED RELATIVE TO THE EDGE OF PAVEMENT FOR STREETS/ROADWAYS BASED UPON 'LATERAL OFFSET' REQUIREMENTS PER CHAPTER 4, 'ROADSIDE SAFETY', OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (F.D.O.T.) 'PLANS PREPARATION MANUAL', LATEST EDITION.
5. FIRE HYDRANTS SHALL BE LOCATED A MINIMUM OF 6' FROM THE EDGE OF THE PAVEMENT/FACE OF CURB OF AN ACCESS DRIVE OR PARKING ACCESS DRIVE/AISLE AND A MINIMUM OF 5' FROM THE FACE OF CURB OF THE SIDE OF ANY TERMINAL OR INTERIOR PARKING LANDSCAPE ISLAND.
6. HYDRANT GUARDS/BOLLARDS SHALL BE PROVIDED AROUND THE FIRE HYDRANT AS SHOWN WHEN THE FIRE HYDRANT IS LOCATED WITH SIX (6') FEET OF THE EDGE OF PAVEMENT OF A PUBLIC/PRIVATE STREET/ROADWAY, ACCESS DRIVE, PARKING ACCESS DRIVE/AISLE OR 'TURNING RADIUS'.
7. A SEVEN AND HALF (7.5') FOOT RADIUS AROUND THE FIRE HYDRANT CLEAR OF ALL IMPROVEMENTS SHALL BE MAINTAINED.
8. ALL WATER MAIN PIPING FITTINGS BACK TO THE 'SUPPLY MAIN' SHALL BE CLASS 52 DUCTILE IRON PIPE (D.I.P.) AND FITTINGS/SPOOL PIECES SHALL BE CLASS 350 DUCTILE IRON.
9. ALL D.I.P. AND FITTINGS/SPOOL PIECES SHALL BE RESTRAINED WITH 'MEGALUGS' OR CITY APPROVED EQUAL.
10. FIRE HYDRANT GATE VALVE SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE "SUPPLY MAIN". SHOULD THE DISTANCE FROM THE "SUPPLY MAIN" TO THE FIRE HYDRANT LOCATION EXCEED TWENTY (20') FEET THEN A SECOND GATE VALVE IS REQUIRED TO BE INSTALLED AT THE HYDRANT.
11. DEPTH OF COVER TO THE TOP OF THE D.I.P. WATER MAIN SHALL BE 30" MINIMUM.
12. FIRE HYDRANTS SHALL HAVE THEIR TOP COLOR CODED TO INDICATE THE 'FLOW CAPACITY' IN GALLONS PER MINUTE (GPM) OF FLOW, AS FOLLOWS:

<u>FLOW</u>	<u>COLOR OF BONNET AND CAP</u>
1,500 GPM OR GREATER	BLUE
1,000 GPM OR GREATER	GREEN
500 – 1,000 GPM	ORANGE
LESS THAN 500 GPM	RED

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