

FIRE HYDRANTS

- 1. ALL FIRE HYDRANTS SHALL BE EITHER:
 - MUELLER CENTURION 5-1/4-INCH FIRE HYDRANT
AWWA TYPE FIRE HYDRANT
MANUFACTURED BY MUELLER CO., DECATUR, ILLINOIS.
 - KENNEDY K-81D, 5 1/4-INCH FIRE HYDRANT
AWWA TYPE FIRE HYDRANT
MANUFACTURED BY KENNEDY VALVE, ELMIRA, NEW YORK.

- 2. ALL FIRE HYDRANTS SHALL HAVE:
 - 6-INCH MECHANICAL JOINT INLET CONNECTION
 - ONE (1) 4-1/2-INCH STEAMER NOZZLE
 - TWO (2) 2-1/2 -INCH HOSE NOZZLE
 OPEN LEFT HYDRANT OPERATING & NOZZLE CAP NUTS; FIRE HYDRANT STEAMER & HOSE THREADS TO BE NATIONAL STANDARD OR NORTH PENN THREADS AS NOTED ON DRAWING.
 - NON METERED WATER FROM FIRE HYDRANTS MAY NOT BE USED FOR ANY PURPOSE BY THE DEVELOPER OR CONTRACTOR. METERS MAY BE OBTAINED BY CONTACTING NPWA'S CUSTOMER SERVICE DEPARTMENT BETWEEN APRIL 1ST & NOVEMBER 1ST. UNAUTHORIZED USE OF WATER FROM FIRE HYDRANTS IS SUBJECT TO CRIMINAL CHARGES.

CHLORINE DOSAGES

65% TABLETS

Diameter of pipe in inches	2	3	4	6	8	10	12	16
No. of 65% Ca(Ocl) ₂ Tablets/pipe	1	1	1	1	2	3	4	6

- 1. TABLETS WILL BE ATTACHED WITH AN FDA APPROVED FOOD GRADE ADHESIVE (POLY GRIP) IN EACH PIECE OF PIPE INSTALLED.
- 2. CALCIUM HYPO CHLORITE CONFORMING TO NSI/AWWA B300 IS AVAILABLE IN 5-g TABLETS, AND CONTAINS APPROX. 65 PERCENT AVAILABLE CHLORINE BY WEIGHT.

TRAFFIC CONTROL

- 1. TRAFFIC CONTROL ON ALL STATE, TOWNSHIP AND BOROUGH ROADWAYS WILL BE IN ACCORDANCE WITH PENN DOT SPECIFICATIONS; PUBLICATION 203, FIG. 10A & 10B.

ROADWAY AND RIGHT OF WAY

- 1. ROADWAY RIGHT OF WAY RESTORATION WILL BE IN ACCORDANCE WITH PENN DOT SPECIFICATIONS ON STATE ROADWAYS, TOWNSHIP AND BOROUGH SPECIFICATION ON LOCAL MUNICIPALLY MAINTAINED ROADWAYS.

TAPS

- 1. ALL SERVICE TRENCHS ARE REQUIRED TO HAVE 2A MODIFIED STONE BACKFILL.
- 2. ALL TAPS ARE INSTALLED BY EITHER NPWA OR CONTRACTOR.
- 3. SERVICES WILL BE INSTALLED AT THE LOCATION DETERMINED BY DEVELOPER.
- 4. SERVICE TAPS WILL BE INSTALLED ONLY WHEN THE FOLLOWING REQUIREMENTS ARE MET:
 - NPWA WILL FILL THE WATER MAIN WAIT 48 HOURS THEN FLUSH THE MAINS.
 - A PRESSURE TEST WITH A MINIMUM PRESSURE OF 150 PSI FOR FOUR (4) HOURS WITHOUT LEAKS, CONDUCTED BY THE CONTRACTOR AND WITNESSED BY N.P.W.A.
 - A BACTERIA TEST IS TAKEN AFTER THE LINES ARE FLUSHED WITH RESIDUAL CHLORINE OF 1.0 PPM OR LESS, CONDUCTED BY NPWA.
- 5. CURB BOXES WILL BE MAINTAINED IN A VERTICAL OPERABLE CONDITION. IT IS THE DEVELOPERS RESPONSIBILITY TO REPAIR, REPLACE AND RESTORE ALL DAMAGED, DESTROYED OR BURIED CURB BOXES.
- 6. ALL BRASS CORPORATIONS & CURB STOPS SHALL BE A COMPRESSION TYPE MEETING THE STANDARD MUELLER #B-25008 & MUELLER #B25209 WITH PRESSURE RATING OF 300 PSI.
- 7. CURB BOXES WILL BE TELESCOPING TYPE WITH PENTAGON PLUG IN CENTER OF LID. RISER PIPE WILL BE 1" DIAMETER TO ACCOMODATE THE STAINLESS STEEL CURB ROD.
- 8. SERVICE LINE WILL BE TYPE "K" COPPER.

ABANDONED MAIN

- 1. ANY OBSOLETE VALVE BOXES AND HYDRANTS WILL BE IDENTIFIED AND REMOVED UNDER THE DIRECTION OF A NPWA INSPECTOR.
- 2. ABANDONED VALVE BOXES ARE TO HAVE THE UPPER PORTION REMOVED 1" BELOW THE GRADE. THE VALVE BOX WILL BE FILLED USING 2-A MODIFIED STONE WHEN WORKING IN PAVING OR SUITABLE FILL WHEN WORKING OUTSIDE THE PAVED AREA. THE WORK AREA WILL BE RESTORED TO THE SURROUNDING CONDITIONS.
- 3. ABANDONED NON-BREAKAWAY HYDRANTS ARE TO BE CUT 1' BELOW THE GROUND SURFACE. ABANDONED BREAKAWAY HYDRANTS ARE TO BE EXTRACTED FROM THE MECHANICAL JOINT OF THE CONNECTING PIPE. THE HYDRANT EXTENSION WILL BE FILLED USING 2-A MODIFIED STONE WHEN WORKING IN PAVING OR SUITABLE FILL WHEN WORKING OUTSIDE THE PAVED AREA. BREAKAWAY HYDRANTS WILL BE SAVED AND RETURNED TO INVENTORY.
- 4. ONCE REMOVAL IS COMPLETE THE WORK AREA WILL BE RESTORED TO THE PRE-EXISTING SURROUNDING CONDITIONS.

FIELD NOTES & FIELD DIMENSIONS

- 1. NORTH PENN WATER AUTHORITY REQUIRES THEIR CONTRACTORS TO SUPPLY THE AUTHORITY WITH DAILY FIELD NOTES AND AN AS-BUILT DRAWING. NPWA'S CONSTRUCTION INSPECTOR WILL SUPPLY DAILY FIELD NOTE SHEETS.