

# CONSTRUCTION CODES, UNIFORM

## 225 Attachment 2

### City of Allentown

#### International Plumbing Code Amendments

##### 1705.01 ADOPTION

(Editor's Note: The 1993 Code was adopted by Ordinance 13272 on August 4, 1994.)

The 1990—1993 National Plumbing Code as published by the Building Officials and Code Administrators International, Inc., hereinafter designated as the National Plumbing Code is hereby adopted as the Plumbing Code of the City of Allentown, Pennsylvania, in accordance with the changes noted herein for the design and installation of plumbing systems, including sanitary and storm drainage, sanitary facilities, water supplies, storm water and sewage disposal in buildings.

##### 1703.2 AMENDMENTS

Additions, changes and deletions to be made in the Plumbing Code are as follows:

#### **ARTICLE 1 CHAPTER 1 ADMINISTRATION AND ENFORCEMENT SECTION P-100.00 GENERAL**

##### P-100.1 TITLE

These regulations shall be known as the Plumbing Code of the City of Allentown hereinafter referred to as "this code."

##### **SECTION P-104.0 EXISTING USE**

##### P-104.1 CONTINUATION

The legal use and occupancy of any structure existing on July 15, 1990 or for which it had been heretofore approved, shall be continued without change except as may be specifically covered in this Code or deemed necessary by the Code Official for the general safety and welfare of the occupants and the public.

##### **SECTION P-109.0 106.0 CODE OFFICIAL**

##### P-109.1 106.1.1 GENERAL

The Divisions of Inspections of the City of Allentown is hereby created and the executive official in charge thereof shall be known as the Building Inspector/Plans Review Officer. The Building Inspector/Plans Review Officer shall be the Chief Administrative Officer of the sections of Building, Plumbing and Electrical.

##### P-109.1.1 106.1.2 BUILDING OFFICIAL TITLE

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The Building Inspector/Plans Review Officer shall be known hereafter as the Code Official as indicated by Code reference.

### **SECTION P-106.0 110.0 DEMOLITION OF STRUCTURES**

#### **P-106.2 110.2 ABANDONED PIPING**

Abandoned drainage within the building shall be hermetically sealed by a cap or plug at the property or curblin.

### **SECTION P-110.0 DUTIES AND POWERS OF THE CODE OFFICIAL**

#### **P-110.2 APPLICATIONS AND PERMITS**

The Code Official shall receive applications and issue permits for the installation of plumbing, inspect the premises for which such permits have been issued and enforce compliance with the provisions of this Code. The plumbing permit card shall be displayed prominently.

#### **P-110.8 RULE MAKING AUTHORITY**

The Code Official shall have the power as may be necessary in the interest of public safety, health and general welfare, to adopt and promulgate rules and regulations to interpret and implement the provisions of this Code, to secure the intent thereof and to designate requirements applicable because of local climatic or other conditions; but no such rules shall have the effect of waiving the minimum requirements of this Code or of violating accepted engineering practice involving health and public safety. All rules and regulations shall be adopted in accordance with the Administrative Information Manual requirements (AIM). All rules and regulations adopted shall have the same effect as provisions of the Code but such rules may be amended or repealed at any time by the same procedure prescribed for adoption.

### **SECTION P-111.0 108.0 APPLICATION FOR PERMIT**

#### **P-111.1 108.1 PERMIT REQUIRED**

Plumbing work shall not be commenced until a permit for such work has been issued by the Code Official. A permit is not required for repairs which involve only the working parts of a faucet or valve, clearance of stoppages, or repairing or replacement of defective faucets or valves, provided alterations are not made in the existing piping or fixtures. Work with less than \$100 appraisal value shall not require a permit.

#### **P-111.3 106.4 BY WHOM APPLICATION IS MADE**

Application for a plumbing permit shall be made by a licensed master plumber who engages in or carries on the business to install all or part of any plumbing system or from an owner/occupant occupied of a single family residence.

#### **P-111.4 106.3.2 DESCRIPTION OF WORK**

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The applicant shall list the number of fixtures of each type to be installed, the location of the work, the use and occupancy of the building in which the work is to be performed, the value of all labor, materials and services to be employed, and such additional information as may be required by the Code Official.

### **SECTION ~~P-112.0~~ 109.0 PERMITS**

#### **~~P-112.1~~ 109.1.1 ACTION ON APPLICATION**

~~The Code Official shall examine or cause to be examined all applications for permits, and amendments thereto, within a reasonable time after filing. If the application or the plans do not conform to the requirements of all pertinent laws, such application shall be rejected the Code Official shall reject such application in writing, stating the reasons therefor. If the requirements of this Code and all laws and Ordinances applicable thereto, a permit shall be issued he shall issue a permit therefor as soon as practicable. A plumbing permit shall not be transferable. Permits are valid for one year from date of issue, with the exception of permits issued to correct cited code violations, which permits shall only be valid for a period of time in accordance with the Property Rehabilitation and Maintenance Code of the City of Allentown.~~

### **SECTION ~~P-114.0~~ 106.5 FEES**

#### **~~P-114.1~~ GENERAL**

~~A permit to begin work for new construction or alterations shall not be issued until the application and permit fees prescribed have been paid.~~

#### **~~P-114.2~~ 106.5.2 FEE SCHEDULE**

### **SECTION ~~P-117.0~~ 116.0 VIOLATIONS**

#### **~~P-117.3~~ 116.3 PROSECUTION**

~~If the notice of violation is not complied within five working days, the Code Official shall cause to be instituted the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful use of any plumbing system in violation of the provisions of this Code or of the order or direction made pursuant thereto.~~

### **SECTION ~~P-118.0~~ 117.0 STOP WORK ORDER**

#### **~~P-118.2~~ 117.2 UNLAWFUL CONTINUANCE**

~~Any person who shall continue any plumbing work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe conditions, shall be liable to a fine of not less than \$300.~~

### **SECTION ~~P-122.0~~ 121.0 MEANS OF APPEAL**

#### **~~P-122.1~~ 121.1 APPLICATION FOR APPEAL**

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~~The owner of a building or structure or any other person may bring before the Building Code Board of Appeals a decision of the plumbing official refusing to grant a modification of the provisions of this code covering the manner of construction or materials to be used in the erection, alteration or repair of a plumbing system. Application for appeal may be made when it is claimed that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equally good or better form of construction can be used.~~

### SECTION P-423.0 122.0 LICENSING OF PLUMBERS

#### P-423.1 122.1 SCOPE

Sections 122.0 to 132.0 shall regulate the business of installing, altering or repairing plumbing systems, including sanitary and storm drainage, sanitary facilities, water supplies, storm water and sewage disposal in buildings within the City of Allentown and provide for the licensing of all persons who engage in such business. The purpose of this licensing procedure is to foster the safety of those who reside, work or visit in the City of Allentown. This licensing procedure shall not be construed in such a manner as to provide artificial and unnecessary barriers to the conduct of plumbing work by a firm, proprietorship, partnership or corporation located both inside and outside of the City limits.

#### P-423.2 122.2 DEFINITIONS

For the purposes of this article, the following definitions shall apply:

**“Master Plumber”** shall mean any person who shall have passed a Master Plumber’s examination and qualified and registered in accordance with the terms of this Article and under the Rules and Regulations of the said Examining Board, and one who is the holder of a Master Plumber’s License, who, within the City of Allentown, engages in or carries on the business of the plumbing trade or who carries on such business as an independent contractor or employee of a proprietorship, partnership or corporation and who has the final determination and the full responsibility for the manner in which the work is done, for the materials used and for the selection, supervision and control of Journeyman Plumbers and helpers employed on the work engaged in by said person, proprietorship, partnership or corporation. The supervisory responsibility of a Master Plumber as defined herein may be delegated by a Master Plumber to a Journeyman Plumber in his employ.

**“Master Plumber’s License”** shall mean a license issued to a Master Plumber, as herein defined, who, by passing the required examination and tests, has qualified as a competent person to be a Master Plumber.

**“Journeyman Plumber”** shall mean any person who shall have passed a Journeyman Plumber’s examination and qualified and registered in accordance with the terms of this Article and under the Rules and Regulations of the said Examining Board, and one who is the holder of a Journeyman Plumber’s License and is employed as defined in the definition of Master Plumber.

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**“Journeyman Plumber’s License”** shall mean a license issued to a Journeyman Plumber, as herein defined, who, by passing the required examination and tests has qualified as a competent person to be a Journeyman Plumber.

**“Master Plumber - Special”** shall mean any person, who installs, alters or repairs plumbing, appliances for water supplies, storm water, sewage disposal, sanitary and storm drainage, sanitary facilities in or on existing buildings or lots in the City, and who is an employee of a proprietorship, partnership or corporation which owns, leases, or manages an existing building, buildings, or parts thereof situated in the City of Allentown. The Master Plumber - Special so employed shall have the final determination and the full responsibility for the manner in which the work is done, for the materials used and for the selection of supervision and control of the persons employed on such work. The Master Plumber - Special so employed shall have the final determination and the full responsibility for the manner in which the work is done, for the materials used and for the selection of supervision and control of the persons employed on such work. The Master Plumber - Special shall only be employed by one proprietorship, partnership or corporation at one time.

~~**“Master Plumber - Special’s License”** shall mean a license issued to a Master Plumber Special, as herein defined, who, by passing the required examination and tests has qualified as a competent person to be a Master Plumber Special.~~

### SECTION ~~P-124.0~~ 123.0 LICENSE BOARD

#### ~~P-124.1~~ 123.1 MEMBERSHIP OF BOARD

There shall be appointed by the Mayor, with the advice and consent of City Council, a five member Examining Board to be known as the Plumbers Examining Board, to determine the fitness of applicants or licenses and to investigate and report on all proposed suspensions or revocations of licenses, and the Mayor may, for cause shown, remove any member thereof and shall fill any vacancy therein. Said Board shall include two Master Plumbers, one City Plumbing Official, and two citizens-at-large to be designated by the Director of Community Development or his designee.

#### ~~P-124.2~~ 123.2 TERMS

The terms of the members of the Plumbers Examining Board shall be as follows:

- A. Two members of the Board shall be appointed originally for a term of one year; two members for a term of two years, and one member for a term of three years.
- B. As the terms of office of each of the original members of the Board expires, their successors shall be appointed for a term of three years.

#### ~~P-124.3~~ 123.3 ORGANIZATION

The members of the Plumbers Examining Board shall within 30 days from their appointment, meet specially and organize and shall elect from their members a Chairman. They shall also elect a Secretary who need not be a member of the Board. The Board shall meet as frequently

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as is necessary for the proper and efficient discharge of its business. Such meeting shall be held upon 48 hours' written notice to each member of the Board, stating the purpose of such special meeting. Three members of the Board shall constitute a quorum for the transaction of any and all business.

### P-124.4 123.4 RULES AND REGULATIONS

The Plumbers Examining Board shall formulate its own rules and regulations for all examinations. Such rules and regulations shall become effective immediately upon the adoption by the Board and the approval of the City Council of the City of Allentown.

### P-124.5 123.5 DUTIES OF THE BOARD

The Plumbers Examining Board shall investigate all applicants for licenses and shall report to the Director of Community Development the results of all examinations which it shall administer to applicants. It shall investigate and hear all written complaints against holders of such licenses and report to the Director of Community Development its findings and recommendations. It shall keep minutes of its proceedings and hearings and records of its investigations and examinations of applicants for licenses.

## **SECTION 125.0 APPLICANT'S QUALIFICATIONS, APPLICATIONS AND EXAMINATIONS**

### P-125.1 APPLICANTS' QUALIFICATIONS

Every applicant for a Master, Journeyman or Master Plumber - Special's license shall be over the age of 21 years. At the time of application, every applicant for a Journeyman Plumber's license shall have had at least four years of practical experience in the installation of drainage, waste, vent and water system with a registered Master Plumber or its equivalent. At the time of application, every applicant for a Master or Master Plumber - Special's license shall have had at least five years of practical experience in the installation of drainage, waste, vent and water systems with a registered Master Plumber or its equivalent. In addition, every applicant for a Master Plumber's license shall have had at least one year experience as a Journeyman.

### P-125.1 APPLICATIONS

Every application for a license shall be made in writing in such form and shall furnish such information as the Plumbers Examining Board may, from time to time, require. Applications must be filed at least 45 days prior to the date of examinations as hereinafter provided.

### P-125.3 EXAMINATIONS

Written, or written and practical examinations shall be prepared by the Plumbers Examining Board and administered by it to applicants to test each applicant's knowledge of the provisions of this Code and the work covered thereby and no license shall be issued unless the applicant attains a passing mark of at least ~~seventy-five (75%)~~ 70% in his examination to entitle him to a certificate or license. Same tests shall be administered to Master Plumbers and Master Plumbers - Special.

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### P-125.4 GEOGRAPHICAL REQUIREMENT

No restriction based on location shall be made on applicants for Master, Journeyman or Master Plumber - Special licenses who reside, or whose business is located, or who are employed by a business with its headquarters located outside the City of Allentown.

## SECTION P-126.0 LICENSES AND FEES

### P-126.1 APPLICATION FEE

At the time of filing application for an examination, each applicant shall pay a fee in accordance with the requirements of the ~~Administrative Information Manual (AIM) Charter~~. In the case of a practical exam, an amount sufficient to cover the cost of materials expended in such practical exam. Said sum shall be deemed the cost of such examination and shall not be refunded if the applicant shall fail to present himself for examination or to obtain a passing mark. The examination fee paid for the examination upon which the applicant obtains a passing mark shall not be credited on account of the hereafter stated fee for the license.

### P-126.2 LICENSE FEES

Before any license will be issued to an approved applicant, the applicant shall pay a fee. The fee as required herein is to be established in accordance with the requirements of the Administrative Information Manual (AIM) Charter.

#### P-126.2.1

No license shall be transferable.

#### P-126.2.2 CHANGE IN REGISTRATION

- A. An application for a change of license from master Plumber to a Journeyman Plumber or Master Plumber - Special shall be granted without examination.
- B. An application for a change of license from a Master Plumber - Special to a Journeyman Plumber shall be granted without examination.
- C. An application for a change of license from a Journeyman Plumber or Master Plumber - Special shall be granted only upon compliance by the applicant with all applicable provisions of this Code.

### P-126.3 LICENSE TERM

- A. Each license shall be issued for the calendar year during which it is issued and the full fee shall be payable irrespective of the date of issue.
- ~~B. Each license shall continue in force only so long as the employee continues to be associated with the same proprietorship, partnership or corporation.~~

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### P-126.4 LICENSE RENEWAL

Any license hereunder may be renewed annually without examination, provided application for renewal is accompanied by the renewal fee prescribed by the AIM regulation. All licenses after December 31st shall be subject to a surcharge described by the AIM regulation. All licenses not renewed by November 30 shall be subject to retesting.

### P-126.5 RENEWAL FEES

The fee as required herein is to be established in accordance with the requirements of the ~~Administrative Information Manual (AIM)~~ Charter.

### P-126.6 PROOF OF RESPONSIBILITY

At the time of issuance of all permits, the applicant shall furnish a certificate evidencing proof of Workmen's Compensation, Bodily Injury, and Property Damage Insurance applicable to the applicant, unless such evidence is currently on file in the Bureau of Inspections.

### P-126.7 CONTINUATION OF LICENSE

Any license issued under previous licensing procedure for the City of Allentown may be renewed on an annual basis without examination.

## **SECTION P-127.0 SUSPENSIONS OR REVOCATIONS**

P-127.1 Every holder of a license, upon retiring from the plumbing business or upon the occurrence of any other cause for suspension or revocation of such license, shall notify the Director of Community Development in writing of such fact, at the same time enclosing the license certificate and identification card. The Director of Community Development may, by an order in writing, suspend or revoke any license issued by him after a hearing on notice before the Plumbers Examining Board and, upon good cause shown, including but not limited to the following: Permitting unauthorized or fraudulent use of the license by another, failure to file applications or certificates performing work which fails to meet the Plumbing Code, fraudulent dealing, or misrepresentation.

## **SECTION P-128.0 NON-LICENSED WORK**

P-128.1 No person not the holder of an appropriate license, nor a proprietorship, partnership, or corporation not employing a holder of an appropriate license shall install, alter, or repair any plumbing system in or on any building. No person, partnership, or corporation shall cause any such work to be done by any person not the holder of such license, nor by any proprietorship, partnership or corporation not employing a holder of such license shall falsely represent that he or it holds such license or shall use in any advertising the words "Master Plumber", "Journeyman Plumber" or "Registered Plumber" or any words of similar meaning or import on any sign, card, letterhead, or in any manner.



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### **SECTION P-129.0 FALSE STATEMENTS**

Any person who, with intent to defraud or deceive, knowingly makes, causes, procures to be made, or aids and assists in the making of a false statement in an application for a license, or the renewal of a license, in an application for a permit or certificate of plumbing inspection and approval, in any application provided for in this title, in any proof or instrument in connection therewith, or who shall in any examination hereunder, deceive or substitute, shall be in violation of this Article.

### **SECTION P-130.0 RECIPROCITY**

The Director of Community Development will accept as Master Plumbers valid licenses from other municipalities that also recognize an Allentown Master Plumber's license without formal testing and in addition all other classifications listed in this Code, provided that said municipality has a comparable testing process, provided such licensees comply with all other applicable provisions of this Code, including payment of the applicable fee. No additional fees of any type shall be charged to Master Plumbers registered in other municipalities and recognized under this Reciprocity section.

### **SECTION P-131.0 OWNER PERFORMANCE**

The provisions herein contained shall not prohibit the owner of an owner/occupied single family residence from personally performing plumbing work therein.

P-131.1 PERMIT: A permit shall be secured as herein provided before the work is initiated.

P-131.2 WORK: All work shall actually be performed by the owner in accordance with the provisions of this Code.

P-131.3 INSPECTIONS: The owner shall make application for all required inspections.

### **SECTION P-132.0 ESCROW**

The holder of any valid and current Master Plumber, Master Plumber Special, or Journeyman Plumber license as herein defined may, upon written request to the Plumbers Examining Board before the December 31st expiration of current license, have the Director of Community Development hold said license in escrow for a period of up to five years, during which time the licensee may not perform any work which would, under the provisions of this Code, require the issuance of a license. Upon proper application for renewal of the license being held in escrow, applicant shall be granted same without examination provided the Plumbers Examining Board is satisfied as to the applicant's qualifications to engage in the work covered by said license. The holder of a current and valid Journeyman Plumber license who has previously held an Allentown Master Plumber - Master Plumber Special License, and has not had a continuous license lapse of more than five years, shall not be bound by the five-year escrow period for the renewal of a Master - Master Special License, and upon proper application and review by the Plumbers Examining Board be granted same without examination.

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### ARTICLE 3 GENERAL REGULATIONS

#### SECTION P-301.8 CONNECTION TO PUBLIC WATER AND SEWER SYSTEM

##### P-301.8 PUBLIC SYSTEMS AVAILABLE

A public water main or public sewer system shall be considered available to a building when the public water main or sewer abuts the property upon which the building is located.

#### SECTION P-302.0 EXCLUSION OF MATERIALS DETRIMENTAL TO THE SEWER SYSTEM

##### P-302.3 INDUSTRIAL WASTES

All non-resident type building applications for a plumbing permit that may discharge a wastewater from an industrial process or which may discharge materials that may be deleterious, harmful or detrimental to the sewer system, shall comply with the requirements of Ordinance No. 12003, as amended. No permit holder shall discharge industrial wastewaters in excess of the quantity, rate of discharge or quality conditions specified in the permit issued under Ordinance No. 12003, as amended. Any person desiring to modify the operations which affect the approved discharge shall apply for an amended permit.

#### ~~SECTION P-308.0~~ 309.0 PROTECTION OF PIPES

##### ~~P-308.3~~ 309.4 FREEZING

~~Water service piping and sewers shall be installed below recorded frost penetration but not less than three feet below grade for water piping and sewers. In climates with freezing temperatures, plumbing piping in exterior building walls or areas subjected to freezing temperatures shall be protected against freezing by insulation or heat or both, and shall be inspected and approved by the Code Official.~~

### ARTICLE 6 MATERIALS

#### SECTION P-605.0 WATER SUPPLY PIPING SYSTEM MATERIALS

##### ~~P-402.3~~ 403.3 WATER SERVICE PIPE

~~Water service pipe shall conform to one of the standards listed in Table P-402.3 403.3. All pipe or tubing, when used underground for water service and when installed outside of the building, shall have a minimum working pressure of 160 pounds per square inch (160 psi/1103.04 kPa) at 73.4° F. (23° C.).~~

#### TABLE P-605.3 WATER SERVICE PIPE STANDARD MATERIAL (See Appendix A)

Brass Pipe ASTM B43

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Cast Iron (Ductile Iron)  
Water Pipe ASTM A377; AWWA C151  
Copper or Copper Alloy Pipe  
ASTM B42; ASTM B302  
Copper or Copper Alloy Tubing  
(Type K) ASTM B75; ASTM B88  
Galvanized Steel Pipe  
ASTM A53; ASTM A120  
P-402.4 403.5 WATER DISTRIBUTION PIPE

~~Water distribution pipe shall conform to one of the standards listed in Table P-402.4, 403.5. Thermoplastic piping as described in Table 402.4 403.5 may be used for cold water piping in new construction and in the substantial rehabilitation of existing buildings. Thermoplastic piping may only be used in existing buildings where (a) entirely new water lines are being run, or (b) adequate provision has been made for grounding consideration. Any use of thermoplastic piping in existing buildings shall be approved by the Code Official.~~

**~~TABLE P-402.4 403.5 WATER DISTRIBUTION PIPE MATERIAL STANDARD~~**  
**~~(See Appendix A)~~**

~~Brass Pipe ASTM B43  
Copper or Copper ASTM B42;  
Alloy Pipe ASTM B302  
Copper or Copper Alloy ASTM B75;  
Tubing ASTM B88  
(Type K or L) ASTM B251  
Uniform Construction Codes  
Chlorinated Polyvinyl  
Chloride ASTM D2846;  
ASTM F441  
(CPVC) Plastic Pipe and ASTM F442  
Tubing Cold Water Use Only  
Galvanized Steel Pipe ASTM A53; ASTM A120  
Polybutylene (PB) Plastic  
Pipe ASTM D3309; SDR9 or and Tubing Cold Water Use Only SDR11  
Cross Linked Polyethylene (PEX)  
ASTM F877 with approved fittings~~

**~~TABLE P-402.4 403.5 WATER DISTRIBUTION PIPE~~**

**~~MATERIAL STANDARD~~**  
**~~(See Appendix A)~~**

~~Plastic Tubing CSA CAN/CSA B137.5  
Cross-linked  
Polyethylene/AL CSA/CAN/CSA  
Cross-Linked Polyethylene AB 137.0  
(PEX-AC-PEX) Pipe~~

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### 402.5 HOT WATER

~~In new installations (summer/winter hookups) or replacement of equipment that produces domestic hot water, there shall be at the hot water delivery source an approved mixing valve with temperature adjusting capabilities.~~

#### **TABLE P-403.3 ~~404.3~~ BUILDING SEWER PIPE MATERIAL (See Appendix A)**

Acrylonitrile  
Butadiene Styrene ASTM D2661; ASTM D2751;  
(ABS) Plastic Pipe ASTM F628  
Cast Iron Pipe ASTM A74; CISPI 301  
Concrete Pipe ASTM C14; ASTM C76  
Copper or Copper  
Alloy Tubing ASTM B75; ASTM B88;  
(Type K or L) ASTM B251  
Polyvinyl Chloride  
(PVC) ASTM D2665; ASTM D2949;  
Plastic Pipe ASTM D3033; ASTM D3034  
Vitrified Clay Pipe ASTM C4; ASTM C700

~~Note: a. Thermoplastic sewer pipe shall be installed in accordance with ASTM D2321 listed in Appendix A.~~

702.2.1 Underground Pipe: The minimum size for sanitary drainage pipe shall be two inches.

#### **P-903.1 MAIN VENT REQUIRED**

Every sanitary drainage system receiving the discharge of a water closet shall have a main vent that is either a vent stack or stack vent. The main vent shall connect to a drainage pipe that is a minimum of three inches in diameter.

### **CHAPTER 10 TRAPS, INTERCEPTORS, SEPARATORS, AND BACKWATER VALVES**

1002.6

#### **P-1001.7 1003.7 BUILDING TRAPS**

An approved house trap shall be installed in each building located below the cellar floor and just inside the foundation wall. (Exceptions: At the discretion of the plumbing official, the building trap may be installed outside below the lowest level of the building where: Buildings are on a slab, where an inside installation would be difficult to service, or where servicing would be a detriment to a particular use of the area in which they would be installed.) There shall be an air inlet for fresh air entering the house drain just inside the water seal of the trap. The size of House trap shall not be less in size than the pipe it traps and in no case less than

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four inches for four inches. Air inlets shall be four inches in size for five inch and six inch drains, six inches for eight-inch drains. All house traps shall be of the double hub pattern and shall be located and installed below the cellar floor. There shall be a Wye installed on the sewer side of the house trap for the purpose of rodding. Such cleanouts must be brought to floor or grade level.

### ARTICLE 7 SANITARY DRAINAGE SECTION P-701.0

701.10

All sanitary sewer connections directly into a trunk (except six inches) shall be made with a reducing coupling.

### CHAPTER 11 DRAINAGE PIPE CLEANOUTS

#### SECTION P-1101.0 1103.0 WHERE REQUIRED

708.3.2 BUILDING SEWERS

All building sewers shall have cleanouts located not more than 50 feet apart.

#### ~~SECTION P-1224.0 1226.0 MAXIMUM WATER FLOW REQUIREMENTS FOR PLUMBING FIXTURES~~

#### ~~SECTION P-1224.0 1226.1 GENERAL POLICY – WATER CONSERVATION~~

~~No water shall be provided for internal or external use to any residential, commercial, industrial, agricultural, recreational, governmental or public building or structure of any kind which is constructed or remodeled and in which plumbing, water piping or water fixtures are to be installed, extended or altered in any way and for which construction permit is required to be obtained from Allentown or would be required but for an exemption from a permit requirement for public or governmental agencies) unless the new, extended or altered plumbing, water piping and other water using fixtures therein conform to the requirements and standards of Section Two of this Ordinance. The provisions of the Ordinance shall apply to any such building or structure for which such a building permit is issued, or would otherwise be required to be issued but for such an exemption, on or after (Date of Adoption).~~

#### ~~SECTION P-1224.1 1226.2 WATER CONSERVATION PERFORMANCE STANDARDS FOR PLUMBING FIXTURES AND FITTINGS~~

#### ~~ARTICLE 1224.1.A 1226.2.A~~

#### ~~WATER CLOSETS AND ASSOCIATED FLUSHING MECHANISMS~~

~~The water consumption of water closets shall not exceed an average of 1.6 gallons per flush cycle over a range of test pressures from 20 to 80 psi. The fixture shall perform in accordance with the test requirements of the ANSI A112.19.2M an ANSI A112.19.6M.~~

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### **ARTICLE 1224.1.B 1226.2.B** **URINALS AND ASSOCIATED FLUSHING MECHANISMS**

~~Urinal water consumption shall not exceed an average of 1.5 gallons per flush cycle over a range of test pressures from 20 to 80 psi. The fixtures shall perform in accordance with the test requirements of ANSI A112.19.2M and ANSI A112.19.6M.~~

### **ARTICLE 1225.1.C 1226.2.C** **SHOWERHEADS**

~~Showerhead discharge rates shall not exceed 3.0 gallons of water per minute over a range of test pressures from 20 to 80 psi. The fixture shall perform in accordance with the test requirements of ANSI A112.18.1M.~~

### **ARTICLE 2224.1.D 1227.1.D**

~~The above requirements supersede standards listed in Article XII of the 1990 BOCA Plumbing Code adopted by City Council \_\_\_\_\_ of \_\_\_\_\_ 199 \_\_\_\_\_. These standards are requirements of the Delaware River Basin Commission.~~

## **ARTICLE 15** **WATER SUPPLY AND DISTRIBUTION**

### **SECTION P- 1505 1507 PROTECTION OF POTABLE WATER SUPPLY**

#### **608.14 LOCATION OF BACKFLOW PREVENTERS**

Backflow preventers shall be installed in an accessible location. In the case of replacement of the water distribution system within or to the building, a backflow preventer shall be installed. Backflow preventers shall be installed as close as mechanically possible to the point of entrance to the building of the water service. For exterior use, a vacuum breaker must be self-draining.

#### **~~P-1505.11.2 PROTECTION BY A VACUUM BREAKER~~**

~~Openings and outlets shall be protected by an atmospheric type vacuum breaker backflow preventer. The critical level of the backflow preventer shall be set at least six inches (152 mm) above the flood level rim of the fixture or device. Ball cocks shall be set in accordance with Section P-1207.3.2. Vacuum breakers shall not be installed under exhaust hood or similar locations which will contain toxic fumes or vapors. Sillcocks, hose bibs, wall hydrants, and other openings with a hose connection shall be protected by an atmospheric type vacuum breaker or a permanently attached hose connection vacuum breaker. This subsection shall be interpreted to read that all new or replacement installations shall be so equipped. For exterior use a vacuum breaker must be self-draining.~~

#### **P-607.3.3 THERMAL EXPANSION CONTROL**

Where a backflow prevention device or a check valve is installed in the potable water supply of the building, a device for controlling thermal expansion shall be installed if the building supply

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pressure is capable of exceeding the temperature and pressure relief valve pressure settings. A proper sized thermal expansion tank shall be installed.

~~(Exception): This section shall not apply to potable water supply systems served by instantaneous water heaters.~~

### ~~1705.99-1810 PENALTIES~~

~~Any person violating the provisions of this Ordinance or section of this Ordinance shall upon conviction be fined not more than \$300 or imprisoned not more than 90 days or both. [Amended 1-21-1993 by Ord. No. 13176; 8-4-1994 by Ord. No. 13272]~~