

TITLE VI  
BUILDING REGULATIONS  
CHAPTER 4  
PLUMBING CODE

AN ORDINANCE TO REPEAL CHAPTER 4 OF TITLE VI OF THE 1999 MUNICIPAL CODE OF THE CITY OF URBANDALE, IOWA, AND TO ADOPT BY REFERENCE A COMPLETE PLUMBING CODE REGULATING THE PRACTICE, MATERIALS AND FIXTURES USED IN THE INSTALLATION, MAINTENANCE, EXTENSION AND ALTERATION OF ALL PIPING, FIXTURES, APPLIANCES AND APPURTENANCES IN CONNECTION WITH VARIOUS PLUMBING SYSTEMS: TO PROVIDE FOR THE ISSUANCE OF PERMITS FOR INSPECTION OF PLUMBING INSTALLATIONS AND THE COLLECTION OF FEES, AND TO PROVIDE PENALTIES FOR VIOLATIONS

Be it ordained by the Council of the City of Urbandale, Iowa:

SECTION 1.0000. That Chapter 4 of Title VI of the 1999 Municipal Code of the City of Urbandale, Iowa, and amendments thereto, is hereby amended by deleting said Chapter in its entirety and by inserting in lieu thereof:

SECTION 2.0000. Short Title

This Ordinance shall be known as the City of Urbandale, "Plumbing Code", and may be so cited.

SECTION 3.0000. Purpose and Scope

It is the purpose of this Ordinance to adopt a complete plumbing code, including provisions for inspecting, and regulating penalties for violations of this Ordinance.

The provisions of this Ordinance shall apply to and govern plumbing, as defined in the Uniform Plumbing Code, including the practice, materials and fixtures used in the installation, maintenance, extension and alteration of all piping, fixtures, appliances and appurtenances in connection with any of the following: sanitary drainage or storm facilities, the

venting system and the public or private water-supply systems, within or adjacent to any building or other structure or conveyance; also, the practice and materials used in the installation, maintenance, extension or alteration of the storm water, liquid wastes or sewerage systems, and water supply systems of any premises to their connection with any point of public disposal or acceptable terminal.

SECTION 4.0000. Adoption of Plumbing Code

Pursuant to published notice and public hearing, as required by law, the Uniform Plumbing Code, 2000 Edition, as published by the International Association of Plumbing and Mechanical Officials is hereby adopted in full except for such portions as may hereinafter be deleted, modified or amended.

An official copy of the Uniform Plumbing Code, 2000 Edition, and a certified copy of this ordinance, are on file in the office of the Building Official and at the Urbandale Library. All newspapers of general circulation published in this City have been furnished a copy of this ordinance.

SECTION 5.0000. Amendments, Modifications, Additions and Deletions

The following amendments, modifications, additions and deletions to the Uniform Plumbing Code, 2000 Edition, are hereby made:

- 5.0101. Amend Subsection 101.4.1.4 "Conflicts Between Codes" by deleting the sentence and replacing with the following:

"When the requirements within the jurisdiction of this plumbing code conflict with the requirements of the mechanical code or fuel gas code, the mechanical code and fuel gas code shall prevail."

- 5.0102. Amend Section 102 "Organization and Enforcement" by adding Subsection 102.4 to coordinate with the International Codes as follows:

"The Building Official is authorized to implement coordinating measures as deemed necessary to ensure uniformity between this code and the International Codes adopted by the City. Any disputes of such interpretations that cannot be resolved with the Building Official shall be appealed to this Plumbing Board."

5.0103. Amend Section 102.2 "Duties and Powers of the Administrative Authority" by adding the following relating to duties of the Plumbing Inspector:

"a. Duties and Qualifications". The Chief Plumbing Inspector and the Assistant Plumbing Inspectors shall have such duties and responsibilities as set forth in the classification plan. The Building Official is the Chief Plumbing Inspector.

b. Plumbing Inspector - Appointment Powers and Duties Generally. Plumbing inspections shall be under the supervision of the Chief Plumbing Inspector and his/her authorized representatives. Such person or persons may be appointed and authorized by the City Council as assistants or agents of the Chief Plumbing Inspector as may be necessary to carry out the provisions of this ordinance. The Chief plumbing Inspector shall be responsible for the enforcement of this chapter and of the rules and regulations of the local, county and state Boards of Health governing plumbing. He/She shall have the right to enter any building during reasonable hours, in the discharge of his/her official duties."

5.0104. Amend Section 102.2.6 by adding the following:

"Liability for Damages. None of the provisions of this Chapter shall be construed to relieve or lessen the liability of any person, firm or corporation owning, operating, controlling, installing or repairing any plumbing work or equipment where damages to any person or

property are caused by any negligence or defects in the operation or installation thereof. Nor shall the City or any of its inspectors be held as assuming any such liability by reason of the inspection authorized herein or the certificates or licenses issued."

5.0105. Amend Section 102.3 by adding the following after subsection 102.3.2 **Penalties:**  
"Upon conviction of any such violation such person shall be punishable by a fine not to exceed five hundred dollars (\$500.00) or by imprisonment for not more than thirty (30) days, or by both such fine and imprisonment, as determined by the court for a misdemeanor. Citations may also be issued under Chapter 22 of Title V of the Municipal Code. Corrections required to bring the installation into code compliance shall also be the responsibility of the offender"

5.0106. Add a Subsection 102.4 entitled BOARD OF APPEALS as follows:

a. "Board of Appeals" and "Board of Examiners" shall be recognized as being the same Board.

b. Board of Examiners - Appointment; Members.  
The Board of Examiners shall consist of five (5) members appointed by the Mayor. Each appointee then must be confirmed by the City Council. The Board's composition is as follows:

(1) One member must be either a practical journeyman of at least five (5) years experience, or a master plumber who has engaged in the plumbing business as a master plumber for at least five (5) years.

(2) One member must be a mechanical contractor of at least five (5) years experience in the mechanical contracting business.

(3) The other three (3) members may consist

of at-large members from any profession.

- c. Same - Term of Members; Filling of Vacancies. Members of the Board of Examiners shall serve for a period of three (3) years, or until their successors are duly appointed and qualified. All vacancies occurring on the Board of Examiners for whatsoever cause shall be filled by the City Council. Any member of the Board of Examiners may be removed by the City Council for malfeasance in office, incapacity, or neglect of duty.
- d. Same - Compensation; City Council to Provide Room and Expenses. All members of the Board shall serve without compensation. The City Council shall provide a suitable room in which the Examining Board may hold its meeting and shall provide for the necessary incidental expenses incurred by such Board.
- e. Same - Quorum. Three (3) members of the Board of Examiners shall constitute a quorum for the transacting of all business, but any action taken by such Board shall require a majority of all members of such Board.
- f. Same - Clerk. The Chief Plumbing Inspector shall act as the Secretary for the Board of Examiners. It shall be the duty of the secretary to keep a record of the meetings of such Board and to register the names and addresses of all persons examined by such Board, and the kind of certificate or license issued to each, if any, and the date thereof, and assist the Board of Examiners in preparing, conducting and grading examinations.
- g. Same - Powers and Duties. In order to hear and decide appeals of orders, decisions or determinations made by the Building Official relative to the application and interpretation of this code, there shall be and is hereby created a Board of Appeals consisting of members who are qualified by experience and training to pass on matters

pertaining to plumbing and who are not employees of the jurisdiction. The Building Official shall be an ex-officio member of and shall act as secretary to said Board but shall have no vote on any matter before the board. The Board of Appeals shall be appointed by the governing body and shall hold office at its pleasure. The Board shall adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the Building Official.

The Board of Appeals shall have no authority relative to interpretation of the administrative provisions of this code nor shall the Board be empowered to waive requirements of this code.

The Board of Examiners shall have the following powers and duties:

- (1) To examine applications and applicants for certificates of competency as journeyman or master plumbers.
- (2) To prescribe rules and regulations for the conducting of examinations of applicants for licenses and to prepare the subject matter of such examinations.
- (3) To review all appeals on decisions of the Chief Plumbing Inspector. Any person affected by a decision of the Chief Plumbing Inspector may request and shall be granted a hearing on the decision, provided that such person shall file in the office of the Department of Building, a written petition requesting such hearing and setting forth a brief statement of the grounds therefor, within fifteen (15) days after the day that the persons received notice of the decision. Upon receipt of such petition and fee, the Department of Building shall set a time and place for such hearing and shall give petitioner written notice thereof at

least three (3) days before the date set for such hearing, unless such three (3) day notice requirement is waived, in writing, by the petitioner. At such hearing the petitioner shall be given an opportunity to be heard to show why the decision of the Chief Plumbing Inspector should be modified or withdrawn. The Chief Plumbing Inspector shall have the opportunity to be heard to show why his/her decision should be affirmed. The hearing shall be commenced not later than twenty-five (25) days after the day on which the petition was filed, unless, for good cause shown, the Building Official grants a postponement, in writing, of the hearing.

After such hearing, the Board shall affirm, modify or withdraw the decision of the Chief Plumbing Inspector. The proceedings at any hearing before the Board, including the findings and decision of the Chief Plumbing Inspector, if applicable, shall be summarized, reduced to writing, and entered as a matter of public record in the office of the Department of Building. Such record shall include a copy of every notice or order issued in connection with the matter.

Within ten (10) days after the written summary of the proceedings has been filed in the office of the Department of Building, the City shall file with the Board either a written acceptance of the decision of the Board, or a notice of its intent to appeal said decision to any court of competent jurisdiction. Thereafter, the City shall commence the appropriate action in such court within the ten (10) day period. The petitioner aggrieved by a decision of the Board may seek relief therefrom in any court of competent jurisdiction, as provided by laws of the State.

- (4) To prescribe rules and regulations consistent with the provisions of this chapter for hearings before the Board to suspend, revoke or reinstate licenses.
- (5) To revoke any license or certificate of competency for repeated violations of this Chapter and the rules and regulations of the local or State Boards of Health, governing plumbing, but only after the person charged with a violation of this Chapter has been given notice and an opportunity to be heard in his own defense.
- (6) To hold a regular meeting once every six (6) months as necessary.
- (7) To keep a full and correct detailed record of the official proceedings of the Board: to preserve all documents, books, and papers relating to examinations for licenses and hearings of complaints, appeals and charges."

h. Same. - Fee for Appeals. The appellant shall pay a fee of thirty dollars (\$30.00) on residential and fifty dollars (\$50.00) on commercial property appeals at the time of filing the appeal.

5.0107. Amend Section 103.1.1 by adding the following relating to permits:

- "a. Plumbing Permits - Required. No person, firm or corporation shall begin the construction, reconstruction, alteration, or repair of any plumbing or building drainage system in or for any building in the City without first having obtained a permit from the Plumbing Inspection Department.
- b. Same - When Not Required. Permits will not be required for work generally known as maintenance work, such as the repairing of leaks, the removal of stoppage in sewer or

waste pipes, or the repairing of faucets and closet tanks. Nothing herein shall, however, be construed to permit the excavation of any part of the street parking or sidewalk without first obtaining a permit and paying a fee therefor.

- c. Same - Application. Any person, firm or corporation having obtained a master plumber's license desiring a permit must file with the Plumbing Inspection Department an application in writing for such permit, stating therein the street and building number, the owner's name and name of the plumbing contractor, specify the work to be done and that such work will be done in accordance with this chapter, other ordinances of the City, and the rules and regulations of the local and State Boards of Health.

**EXCEPTION: Homeowner's Exemption** "When an owner-occupant of a single family detached dwelling desires to install plumbing equipment, or perform any plumbing work in their single family dwelling, they may request a time slot on the daily inspection schedule to appear before inspection personnel, and discuss the specific work for which a plumbing permit is required. Owner-occupants who show that they are competent to do the specific work for which a permit is required may then obtain a plumbing permit by paying the plumbing permit fees, plus a homeowner's permit fee of \$25.00, and by signing the Homeowner's Exemption Affidavit.

- d. Same - Issuance. Upon the approval of the application, the Plumbing Inspection Department shall issue a permit to the person, firm, or corporation holding a master plumber's license applying therefor (or homeowner), stating the name of the owner of the property, the name of the master plumber, and the street and building number, and the work authorized to be done thereunder. No permit shall be issued for

additional plumbing work in any building where the plumbing is found defective, or has been installed or is being maintained contrary to the provisions of this Chapter, other ordinances of the City, or the rules and regulations of the local or State Board of Health, unless such plumbing is to be corrected, and the permit is taken out to cover the correction of such work.

- e. Same - New Permit Required for Additional Work. When a permit has been issued for plumbing work in no case shall additional work be put in or additional fixtures set without the approval of the Chief Plumbing Inspector, and a new permit shall be obtained for all such additional work for fixtures.
- f. Refusal To Issue Additional Permits. The Plumbing Inspector may refuse to approve issuance of additional permits for any person licensed under this Ordinance if he/she finds that such person employed in connection therewith consistently neglects or fails properly to perform his/her work in accordance with the ordinances of the City.
- g. Excavation Permit and Backfill. Excavation permits issued by the Building Department to open streets, parking or other public property, to install sewer or water connections for buildings, shall be issued only after permits have been issued by the Plumbing Inspection department to construct such work. Each such street or parking permit shall have upon it's face, the number of the plumbing permit issued. A Two Hundred Dollar (\$200.00) maintenance bond is required and same shall be on file for four (4) years for each paving cut.

This bond must be on file at the same time permits are requested that require street cuts.

- h. Private sewer installation under Engineering Department's supervision. Permits are not

required for installations where a private sewer, other than a building or house sewer, is constructed under the jurisdiction, standard specifications and inspection of the City Engineer, or in cases where lateral sewer stubs, extending from a public sewer to the property line, are constructed under the jurisdiction and standard specifications and inspection of the City Engineer."

5.0108. Amend Section 103.1.3 by adding the following provisions: Plumbing Licenses

- a. Plumbing by Persons Not Licensed. At no time shall any person not duly licensed be allowed to do plumbing work except that an apprentice may assist a regularly licensed plumber but must be actually with and in his/her presence while so doing.
- b. Master Plumber's License -Required. No person, firm or corporation shall employ any person, firm or corporation to engage in the construction, reconstruction, alteration or repair of any plumbing or building drainage system in or for any building in the City without first having obtained a Master Plumber's license.
- c. Same - Employment of Persons Without. No person, firm or corporation shall employ any person, firm or corporation to engage in the construction, reconstruction, alteration or repair of any plumbing or building drainage system in or for any building in the City unless such person, firm or corporation has obtained a Master Plumber's license.
- d. Same - Qualifications. Any person, firm or corporation may obtain plumbing license as a Master Plumber only when the active manager or managers of such firm or corporation is the holder of a certificate of competency as a Master Plumber. A license issued to such firm or corporation shall have upon it's face the name of the active manager or managers who is or are the holder or holders of a

certificate of competency, and whenever a firm or corporation licensed as a Master Plumber fails to employ an active manager who is the holder of a certificate of competency, the plumbing license shall be automatically revoked. Any change in the active manager or managers shall be immediately reported to the Plumbing Inspection section and the change noted upon the license. Such firm or corporation may engage as a Master Plumber only when the business so transacted requiring a Master Plumber shall be done by such manager or managers as hold a certificate of competency.

- e. Qualifications of Master Plumbers. The term "Master Plumber" as used herein shall include any person, firm or corporation engaged in planning, supervising and contracting for the installation of plumbing, and who is licensed as a Master Plumber by the City.

A Master Plumber shall have a general practical knowledge of the purpose and method of the construction of plumbing work, be competent to plan and supervise the installation of plumbing and shall be required to have some knowledge of mechanical drawings, and shall pass a satisfactory examination for a certificate of competency as a Master Plumber.

- f. Qualifications of Journeyman Plumbers. The term "Journeyman Plumber" shall include any person who installs, alters or repairs plumbing, and who has a valid certificate of competency as a Journeyman plumber.

A Journeyman plumber must be able to read blueprints, do simple mathematical problems, and must know the provisions of this Chapter and the rules and regulations of the local and State Boards of Health governing plumbing. He/She shall have at least five (5) years practical experience as an apprentice assisting in the installation of plumbing work. He/She shall furnish the examining

Board with bona fide affidavits as to his/her practical experience and pass a satisfactory examination for a certificate of competency as a Journeyman plumber.

g. Certificate of Competency -Application for Examination; Examination Fee; Issuance.

Any person desiring to be examined for certificate of competency as a Journeyman Plumber or Master Plumber, as determined in this chapter, by the Board of Examiners, shall make application therefore to the contractor testing agency approved by the Board, and pay the fee charged by the testing agency. Upon passing such examination a certificate of competency shall be issued by the City, upon payment of the applicable fees.

Any person failing to pass a satisfactory examination must wait one (1) year before being eligible to be examined again. Such certificates of competency shall also be issued to any person, without examination, who holds a similar certificate from another municipal corporation recognized by the Board as having similar licensing standard.

h. Same - Renewals; Transferability; Revocation.

Renewals of certificates of competency, as provided by the preceding section, shall be issued by the license collector upon application and payment of the applicable fees; provided such application is made on or before the thirty-first (31st) day of December. Upon failure to make application for renewal, the applicant becomes subject to a new examination. A certificate of competency shall not be transferable and shall expire on the thirty-first (31st) day of December of each even numbered year.

A certificate of competency issued under this chapter may be revoked by the Board of Examiners for repeated violation or neglect of the rules and regulations set out in this Chapter or of the local, county and State

Boards of Health, after a hearing before the Board of Examiners upon written notice, stating the grounds of complaint, which notice shall be served on the person charged with the violation at least ten (10) days prior to date of hearing.

- i. Same - Bond. Before a Master Plumber's license shall be issued, the applicant shall file with the City Clerk a bond in the sum of Five Thousand Dollars (\$5,000.00) to be approved by the City to save the City harmless on account of any and all failures on the particulars with the provisions of this Chapter, other Ordinances of the City, and the rules and regulations of the local, county and State Boards of Health, and in addition thereto, he/she shall, before the license is issued, deposit One Hundred Dollars (\$100.00) in cash, with the City, to be held for (1) year after the expiration of the license, as a bond for the use and benefit of the City of Urbandale to cover any failure to pay any or all fees provided for in this Chapter as well as to insure the collection of inspection fees and rectification of defective work.
- j. Same - Biennial Licenses. All Plumber's licenses shall be made to expire on December 31<sup>st</sup> of each even numbered year. A one-year license can be issued at one-half fee, to establish this timing. Plumbing Contractors biennial license fee is \$100.00; Master Plumber's biennial license fee is \$50.00; and Journeyman Plumber's biennial license fee is \$50.00. All fees due the City for these licenses shall be collected by the Building Department and promptly forwarded to the City Clerk.
- k. Apprentices. The term "apprentice" shall include any person who, while learning the trade of plumbing, is assisting in the installation, alteration or repair of plumbing and is actually with and in the presence of a licensed plumber.

No Master Plumber shall hire or employ, or have in his/her employ, any apprentice who is not registered with the City as such. At no time shall any Journeyman Plumber have more than one apprentice assisting him/her, and at no time shall any apprentice perform any plumbing work unless he/she is actually in the presence of, and with a duly licensed Journeyman Plumber. Every apprentice shall register his/her name and address with the Examining Board before the first day of January of each year."

1. Exemptions to license requirements:

**Homeowner's Exemption:** In cases where an owner-occupant of a single family detached dwelling desires to install plumbing equipment in their single family dwelling, they may appear before the Building Official and show that they are competent to do the specific work for which a permit is required. After such showing, they may obtain a permit by paying the proper fee, without obtaining a license.

**Water Department Exemption:** The Urbandale Water Department shall not be required to hold a plumbing contractor's license in order to perform the following work.

Minor adjustments to a water service in order to terminate water service when such service must be terminated because of leaks in the service or delinquent payment of water bills, provided the affected property owner refuses to cause such minor adjustments to be made.

Minor temporary water service adjustments to control flows in emergency situations where damage is caused or hazard is created. Upon termination of the service, the Urbandale Water Department shall notify the owner that permanent repair work must be done.

All work done by the Urbandale Water

Department shall be the responsibility of the Urbandale Water Department, and all damage caused to stop boxes by the Urbandale Water Department shall be corrected by the Urbandale Water Department.

**City Buildings and City Employee Exemption:** Urbandale city employees are not required to have a license when work performed in or on City-owned buildings or equipment is performed by regular City employees that can demonstrate knowledge and training for such work."

5.0109. Amend Section 103.5.3.3 by adding the following:

**Prefabricated Assemblies:** Where the work requiring a plumbing permit will wholly or partially be enclosed within one (1) or more prefabricated assemblies, the requirements for local licensing and inspections or requests therefore, shall not be applicable to such work if the use of prefabricated assemblies renders compliance with the requirements impractical. In lieu of compliance with the requirements for local inspection, the fabricator shall provide the Chief Plumbing Inspector with a certification from the International Code Council, Underwriter's Laboratories, Inc., or any other approved independent inspection agency qualified to make such certification stating that the plumbing work wholly or partially enclosed within the prefabricated assembly has been inspected by the certifying agency and complies with the requirements of this Chapter and the State of Iowa Plumbing regulations, and containing such other information as may be required by the Chief Plumbing Inspector. The Chief Plumbing Inspector, may for due cause shown, require that any plumbing work wholly or partially enclosed within a prefabricated assembly be exposed to permit inspection.

Where the fabrication of prefabricated assemblies is performed outside the corporate limits of the City of Urbandale, the provisions requiring local inspection and licensing shall

not be applicable.

The plumbing permits required for fabrication of prefabricated assemblies outside of the corporate limits shall be obtained by and issued to the fabricator, regardless of whether the fabricator holds a Master Plumber's license."

5.0110. Amend Table 1-1 by deleting it and inserting the following:

"Fees for Sewer Connection and Plumbing Construction"

The sewer connection fee within the Urbandale Sanitary Sewer District shall be paid at the time of issuance of the building permit, with verification of payment before the plumbing permit is issued. The amount of the connection fee shall be obtained from the fee schedule adopted by the Board of the Urbandale Sanitary Sewer District, and said fee schedule in effect at the time said application is made.

There shall be paid to the City of Urbandale for the issuance of each plumbing permit, fees as described in the following table:

Flat Fee For New Single Family or Town House Unit	\$90.00
Plumbing Fees for Other Than the Aforementioned Flat Fee for New Single Family Dwellings:	
Street Excavation	\$20.00
Sewer Service Line	\$5.00
Water Service Line	\$5.00
Storm Sewer Service Line	\$5.00
All Other Fixtures	\$5.00
Gas Piping (Per Outlet)	\$4.00
Basic Fee	\$20.00"

"Where work for which a permit is required by this Code is started or proceeded with, prior to obtaining said permit, the fees above specified shall be doubled, but the payment of such double fee shall not relieve any persons from complying with the requirements of this Code in the execution of the work, nor from any other penalties described herein.

All such fees shall be paid to the City Clerk, who shall issue the receipt therefor, and which receipt shall be presented to the City Plumbing Inspector before any permits are issued to any person, firm or corporation applying therefor."

Plumbing permit fees will be paid by the plumbing contractor in all cases, regardless of the sewer district involved."

- 5.0301. Amend Subsection 301.1.1 ~~and Table A~~ by adding the following:

"Notwithstanding the provisions of Subsection 301.1.1 ~~and Table A~~, the use of homogenous bituminized fiber drain and sewer pipe in any part of a building drainage system is hereby prohibited."

- 5.0302. Amend Section 313 by adding further limitations on the use of plastic piping:

"When plastic piping passes through or under foundations it shall be protected by sleeving with a section of cast-iron or steel pipe, through the foundation area."

- 5.0401. Amend Section 407 by adding the following provisions:

"Laundry Trays. Fixtures such as laundry trays and tubs in private residences used for laundry wastes only, may be drained over an open floor drain provided that such fixture is set not more than five feet (5') from such floor drain. All stand pipe drains for automatic washers are to be not less than thirty-six inches (36") above the floor."

5.0402. Amend Section 412.8 by adding the following:

"Notwithstanding the provisions of this code, shower sub-pans or linings constructed of asphalt impregnated felt shall not be permitted."

5.0601. Amend Section 603 by adding the following provisions:

"The Urbandale Water Department shall be the administrative authority for the cross connection control containment provisions. Rules and regulations for containment shall be as set forth in the Urbandale Water Department Rules and Regulations."

5.0602. Amend Section 604 by adding the following provisions:

"Water service taps, valves, piping size and material, and water meter installations shall be as required by the Urbandale Water Department's regulations."

5.0603. Amend Section 608.2 by adding the following provision:

"Water-pressure reducing valves or regulators will only be required when the Urbandale Water Department determines that they must be installed. Building owners may voluntarily have the devices installed."

5.0701. Amend Section 701.1 by adding further limitations on the use of ABS and PVC material as follows:

a. The minimum plastic below grade material shall be SDR 23.5 or Schedule 40.

When the bottom of the excavation does not provide a firm, undisturbed pipe bed, pipe installations shall have a minimum of four inches (4") of aggregate or sand bedding material. The minimum backfill shall support the pipe up to the spring line, and shall be

either aggregate or sand material. Sand is allowed inside the building foundation line.

Aggregate shall be three-eighth inch (3/8") to three-quarter inch (3/4") stone, either washed or unwashed.

These minimum bedding and fill requirements are not intended to supercede more restrictive manufacturer specifications.

- b. Application of ABS or PVC beyond the limits of this code may be approved by the administrative authority for a particular case provided it is designed and certified by a professional engineer or architect."

5.0702. Add the following to Section 710.1:

"Exception: The requirements of this Section shall apply only when it is determined necessary by the administrative authority or the City Engineer based on local conditions."

5.0703. Amend Section 715.1 by adding the following provisions:

"Connection with Private Sewage Disposal Works. When a sewer is not available, drain pipes from buildings shall be connected with private sewage disposal works complying with provisions of Polk or Dallas County Health Departments, dependant upon the County the work is in, and State of Iowa regulations. No private sewage disposal work shall be constructed where the public sewer is available. A plan showing the location and design of the private disposal units and also the location of any and all wells within seventy-five feet (75') of the site shall be filed with the application for a permit. A permit must be obtained from the County Health Department and Urbandale Plumbing Department.

**Bituminous fiber building sewers:** When bituminous fiber ('orangeburg') building sewers fail, all of the 'orangeburg' material shall be replaced in its entirety from the building to

the sewer main.

5.0704. Amend the provisions of Section 717.0 by adding the following:

"The building sewer beginning five feet (5') outside the inner face of the building wall to the property line shall be of cast-iron or ABS/PVC material. ABS/PVC shall be solid wall pipe with a minimum stiffness of 150 psi, material shall conform to ASTM D 1784, cell classification 12454 b, ASTM D 2751 and D 3034, and shall be a minimum of SDR 23.5 or schedule 40. Test tee's shall be installed within five feet (5') of the property line. All sanitary sewers eight inches (8") diameter and larger and all storm sewers twelve inches (12") diameter and larger on private property shall conform to Urbandale's sanitary and storm sewer specifications including all appurtenances and construction methods needed for completion of the project.

Pipe or pipe fitting joints shall conform to PVC gasketed joints standard ASTM D3212, or solvent welded joints, specifically for below grade installations".

5.0705. Amend Section 718.2 by adding the following provisions:

"When the bottom of the excavation does not provide a firm, undisturbed pipe bed, pipe installations shall have a minimum of four inches (4") of aggregate bedding material.

For plastic pipe material, the minimum backfill shall support the pipe up to the spring line, and shall be aggregate material. Sand is prohibited as pipe support material outside the building foundation line.

Aggregate shall be three-eighth (3/8") to three-quarter inch (3/4") stone, either washed or unwashed.

No covering of pipe shall occur without the

permission of the Plumbing Inspector.

These minimum bedding and fill requirements are not intended to supercede more restrictive manufacturer specifications."

5.0706. Amend Section 718.3 by adding the following provisions:

"In addition to the provisions of this section, no building sewer or underground building drain shall be laid parallel to or within three feet (3') of any bearing wall, which might be thereby weakened, unless the conditions are evaluated by, and a remedy certified by a structural engineer. The building sewer and drains shall be laid at sufficient depth to protect them from frost."

5.0707. Add a section numbered 724 as follows:

"Section 724 - Sewer Work in Right-of-Way

Each street cut in paving shall be as directed by the standards from Urbandale's Engineering & Public Works Department."

5.0901. Amend Section 903 by adding further limitations on the use of ABS and PVC material:

a. "The minimum plastic below grade material shall be SDR 23.5 or Schedule 40.

When the bottom of the excavation does not provide a firm, undisturbed pipe bed, pipe installations shall have a minimum of four inches (4") of aggregate or sand bedding material. The minimum backfill shall support the pipe up to the spring line, and shall be either aggregate or sand material. Sand is allowed inside the building foundation line.

Aggregate shall be three-eighth inch (3/8") to three-quarter inch (3/4") stone, either washed or unwashed.

These minimum bedding and fill requirements are not intended to supercede more restrictive manufacturer specifications.

- b. Application of ABS or PVC beyond the limits of this code may be approved by the administrative authority for a particular case provided it is certified and warranted by a professional engineer or architect."

5.0902. Amend Section 906.7 by adding the following table:

<b>"Vent Diameter</b>	<b>Extension Diameter</b>
Less than three inches	Three inches
Three to four inches	Four inches
Over four inches	Same as vent size

The minimum vent extension above a roof shall be six (6") inches."

5.1001. Amend Table 10-1 by deleting it and inserting in lieu thereof the following:

"TABLE 7-1

'Horizontal Distance of Trap Arm'

Trap Arm	Distance Trap to Vent	
	Feet	Inches
1 1/4	5	0
1 1/2	6	0
2	8	0
3	12	0
4 and larger	12	0"

5.1101. Amend Section 1101.3 by adding the following provisions:

"Any time the provisions for fire resistance from this code conflicts with the building, fire or mechanical code, they shall govern."

5.1102. Amend Sections 1101.5.2, 1105.4 and 1105.6 by

adding the following provisions:

"Subsoil drainage shall be connected to the City's storm sewers where available, or as directed by the City Engineer."

5.1103. Amend Section 1102.0 by adding the following provisions:

"Any time the provisions for fire resistance from this code conflicts with the building, fire or mechanical code, they shall govern."

5.1104. Amend Section 1102 and 1105 by adding the following provisions:

"SDR 23.5 or Schedule 40 shall be the minimum plastic pipe underneath buildings."

5.1105. Delete Section 1104.3; combining storm and sanitary drainage is prohibited.

5.1106. Amend Section 1109 by adding that the City shall not be required to observe the testing, this is not a required inspection.

5.1201. Delete Chapter 12; fuel gas piping shall be in accordance with the International Fuel Gas Code.

SECTION 6.0000. All Ordinances or parts of Ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 7.0000. If any section, subsection, provision or part of this Ordinance shall be adjudged to be invalid or unconstitutional, such adjudication shall not affect the validity of this Ordinance as a whole or any section, subsection, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 8.0000. This Ordinance shall be in effect after its final passage, approval and publication as provided by law.

Passed and approved by the City Council of the City of Urbandale,  
Iowa, this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

Brad Zaun, MAYOR

ATTEST:

Debra Mains, City Clerk

Published