

AN ORDINANCE AMENDING CHAPTER 8, "CONSTRUCTION REGULATIONS," ARTICLE VI, "UNIFORM CODES AND OTHER REGULATIONS," DIVISION 4, "PLUMBING," OF THE ABILENE MUNICIPAL CODE, BY AMENDING CERTAIN SECTIONS AS SET OUT BELOW; PROVIDING A SEVERABILITY CLAUSE; AND DECLARING A PENALTY.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS:

PART 1: That Chapter 8, Article VI, Division 4, "Plumbing," of the Abilene Municipal Code be amended as set out in Exhibit "A", attached hereto and made a part of this ordinance for all purposes.


PART 2: That if any provision or any section of this ordinance shall be held to be void or unconstitutional such holding shall in no way affect the validity of the remaining provisions or sections of this ordinance, which shall remain in full force and effect.

PART 3: That any person, firm or corporation violating any of the provisions of this chapter shall be deemed guilty of a misdemeanor, and upon conviction thereof, shall be punished by a fine of not more than Two Thousand Dollars (\$2,000.00). Each day such violation shall continue or be permitted to continue, shall be deemed a separate offense. Said Ordinance, being a penal ordinance, becomes effective ten (10) days after its publication in the newspaper, as provided by Section 19 of the Charter of the City of Abilene.

PASSED ON FIRST READING this 25 day of January, A.D. 19 90.

PASSED ON SECOND AND FINAL READING this 8 day of February, A.D. 19 90.

ATTEST:


CITY SECRETARY


MAYOR

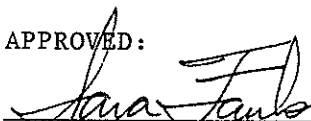
APPROVED:

CITY ATTORNEY

EXHIBIT "A"

The following chapters of the 1988 Uniform Plumbing Code are adopted in their entirety:

Appendix Chapters A and B

The following chapters of the 1988 Uniform Plumbing Code are deleted in their entirety:

Part 1 - Administration
Appendix Chapter G

The remaining chapters and appendix chapters of the 1988 Uniform Plumbing Code are adopted subject to the following exceptions:

Exceptions are as attached.

UNIFORM PLUMBING CODE

1988 EDITION

Part 1

ADMINISTRATION

Delete all of Part 1 and insert the following:

TITLE

10.1 This ordinance shall be known as the "Uniform Plumbing Code" and will be referred to as "this Code" herein.

PURPOSE

10.2 For the protection and preservation of life and of the public health, safety, property and the general welfare of the people, the following provisions are enacted relating to the installation, alteration or repair of pipes, fittings and fixtures for water, sewage and natural gas in all buildings and structures and on all property now erected or to be erected, changed, constructed, reconstructed, repaired or altered in the city, and outside the city, if the same be connected to either the city water, gas or sewage systems. The enlargement, alteration, maintenance or repair of all piping, fitting, fixtures, etc., used for the conduction of water, sewage and natural gas in or on and about any and all premises in the city water, gas or sewage systems.

SCOPE

10.3 (a) The provisions of this Code shall apply to the erection, installation, alteration, addition, repair, relocation, replacement, maintenance or use of any plumbing system, except as otherwise provided for in this Code in the City of Abilene or connected to the water supply of the City of Abilene.

(b) This section shall not apply to that work done by authorized employees of the city in the laying of city water mains and services and city sewer mains and services, nor to the installation of gas distributing mains and services in the streets and alleys by authorized employees of any gas distributing company. (Civil statutes 6243-101, U.O. 81-609)

EXISTING INSTALLATIONS

10.4 (a) Any plumbing system lawfully installed prior to the effective date of this Code may have its existing use, maintenance or repair continued if the use, maintenance or repair is in accordance with the original design and location and no hazard to the public health, safety or welfare has been created by such system.

(b) The owner or his designated agent shall be responsible for the maintenance of the plumbing system in a safe and sanitary condition.

AUTHORITY TO ABATE

10.5 (a) Any portion of a plumbing system found by the Administrative Authority to be insanitary, as defined herein, is hereby declared to be a nuisance.

(b) Where a nuisance exists or a plumbing system is maintained in violation of this Code or any notice issued pursuant to this section, the Administrative Authority shall require the nuisance or violation to be abated and, where necessary, shall seek such abatement in the manner provided by law.

The plumbing inspector shall have the power, and it shall be his duty, where any building, premises or construction contains improper or defective plumbing or where same has been constructed erected, altered or repaired without a permit as provided by this chapter, to give prompt written notification to the utility involved to cut off the water or gas supply thereto until such improper or defective plumbing shall be made to comply fully with the provisions of this chapter, and a certificate to the plumbing inspector shall have been issued.

ADMINISTRATIVE AUTHORITY

20.1 The Administrative Authority (the Building Official) shall be the Authority duly appointed to enforce this Code.

DUTIES AND POWERS OF THE ADMINISTRATIVE AUTHORITY

20.2 (a) The Administrative Authority shall appoint plumbing inspectors and other employees as are authorized to carry out the functions of the department and this Code.

PLUMBING INSPECTOR REQUIREMENTS

(b) The plumbing inspectors are hereby made a part of the building inspection department of the City of Abilene. However, the enforcement of this chapter as written herein shall rest with the plumbing inspectors. They shall have had at least five years of satisfactory experience as a journeyman and/or master plumber and shall hold a plumbing inspector's license issued by the Texas State Board of Plumbing Examiners.

RIGHT OF ENTRY

(c) Whenever necessary to make an inspection to enforce any of the provisions of this Code, or whenever the Administrative Authority or his authorized representative has reasonable cause to believe that there exists in any building or upon any premises, any condition which makes such building or premises unsafe as defined in this Code, the Administrative Authority or his authorized representative may enter such building or premises at

all reasonable times to inspect the same or to perform any duty imposed upon the Administrative Authority by this Code, provided that if such building or premises be occupied, he shall first present proper credentials and demand entry; and if such building or premises be unoccupied, he shall first make a reasonable effort to locate the owner or other persons having charge or control of the building or premises and demand entry. If such entry is refused, the Administrative Authority or his authorized representative shall have recourse to every remedy provided by law to secure entry.

"Authorized Representative" shall include the persons named in Section 20.2 (a) of this Code.

(d) No owner or occupant or any other person having charge, care or control of any building or premises shall fail or neglect after proper demand is made as herein provided, to properly permit entry therein by the Administrative Authority or his authorized representative for the purpose of inspection and examination pursuant to this Code. Any person violating this subsection shall be guilty of a misdemeanor.

VIOLATION AND PENALTIES

20.3 Any person, firm or corporation violating any provision of this Code shall be punishable by a fine not to exceed \$2,000.00. Each separate day or any portion thereof, during which any violation of this Code occurs or continues, shall be deemed to constitute a separate offense and, upon conviction thereof, shall be punishable as herein provided. The issuance or granting of a permit or approval of plans and specifications shall not be deemed or construed to be a permit for, or an approval of, any violation of any of the provisions of this Code. No permit presuming to give authority to violate or cancel the provisions of this Code shall be valid, except insofar as the work or use which it authorized is lawful.

The issuance or granting of a permit or approval of plans shall not prevent the Administrative Authority from thereafter requiring the correction of errors in said plans and specifications or from preventing construction operations being carried on thereunder when in violation of this Code or of any other ordinance or from revoking any certificate of approval when issued in error.

Every permit issued by the Administrative Authority under the provisions of this Code shall expire by limitation and become null and void, if the work authorized by such permit is not commenced within 120 days from date of issuance of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 120 days. Before such work can be recommenced, a new permit shall be first obtained to do so, and the fee therefor shall be one-half the amount required for a new permit for such work, provided no changes have been made, or will be made in the original plans and specifications for such work; and provided, further, that such suspension or abandonment has not exceeded one (1) year.

PERMIT REQUIRED

20.4 (a) It shall be unlawful for any person to install, remove, alter, repair or replace or cause to be installed, removed, altered, repaired or replace any plumbing, gas or drainage piping work or any fixture or water heating or treating equipment in a building or premises without first obtaining a permit to do such work from the Administrative Authority.

(b) A separate permit shall be obtained for each building or structure.

(c) A permit is required prior to attachment of any testing device to an installed line by any person, including the homeowner. (Test of gas lines shall not be considered minor repairs.)

(d) No person shall allow any other person to do or cause to be done any work under a permit secured by a Permittee except persons in his employ. Work done under Homeowner permit may not be contracted to anyone other than a plumber licensed under the provisions of this Code.

(e) An industrial waste discharge permit will be required by any person in the monitored group desiring to discharge an industrial waste mixture into the sewer system of the city, or any sewer connected therewith or any person using the City approved-selected disposal sites shall make an application to the city on application forms to be obtained from the Industrial Waste Office. The monitored group is any person who discharges twenty-five thousand (25,000) gpd or greater; or who is monitored by the City and required to obtain an Industrial Waste permit because of the abnormal strength or content of the waste discharge.

(f) Any person who shall wilfully make any false statement in order to obtain a permit shall be guilty of a misdemeanor and subject to the penalty provided herein. Bad faith or unreasonable delay in the performance of plumbing work shall be deemed a sufficient reason for subjecting the plumber to an offense and to a suspension of the permit and no further permit shall be issued until such act of bad faith or unreasonable delay has been corrected.

WORK NOT REQUIRING A PERMIT

20.5 No permit shall be required in the case of any repair work as follows: The stopping of leaks in drains, soil, waste or vent pipe, provided, however, that should any trap, drainpipe, soil, waste or vent pipe be or become defective and it becomes necessary to remove and replace the same with new material in any part or parts, the same shall be considered as such new work and a permit shall be obtained and inspection made as hereinbefore provided. No permit shall be required for the cleaning of stoppages or the repairing of leaks in pipes, valves, or fixtures, when such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

APPLICATION FOR PERMIT

20.6 Any person legally entitled to apply for and receive a permit shall make such application on forms provided for that purpose. He shall give a description of the character of the work proposed to be done, and the location, ownership, occupancy and use of the premises in connection therewith. The Administrative Authority may require plans, specifications or drawings and such other information as he may deem necessary.

If the Administrative Authority determines that the plans, specifications, drawings, descriptions or information furnished by the applicant are in compliance with this Code, he shall issue the permit applied for upon payment of the required fee as herein fixed.

Only those persons licensed in accordance with Section 20.6A shall be entitled to receive a permit.

PLUMBING LICENSE REQUIRED

20.6A All persons who engage in or work at the actual installation, alteration, repair and renovation of plumbing shall possess either a master or journeyman plumber's license or an apprentice plumber's registration card in accordance with the provisions of the Plumbing License Law, Vernon's Ann. Civ. St., art. 6243-101.

BOND REQUIRED

20.6B Before any person shall engage in the business of plumbing in the city, that person or persons shall first obtain the proper license from the State of Texas and deposit with the city a good and sufficient bond in the sum of Five Thousand Dollars (\$5,000.00), conditioned that the person engaged in the plumbing business will faithfully observe all the laws pertaining to plumbing; further, that the city shall be indemnified and saved harmless from all claims arising from accidents and damage of any character whatsoever caused by the negligence of such person engaged in the plumbing business, or by any other unfaithful, inadequate work done either by themselves or their agents or employees. Said bond shall cover sprinkler piping.

EXEMPTIONS

20.6C The following acts, work and conduct shall be expressly permitted without a license:

(a) Homeowner. Plumbing work done by a property owner in a building owned and occupied by him as his home.

(b) Maintenance, utility and appliance work. Plumbing work done by anyone who is regularly employed as or acting as a maintenance person or maintenance engineer, incidental to and in connection with the business in which he is employed or engaged and who does not engage in the occupation of a plumber for the general public; construction, installation and maintenance work done upon the premises or equipment of a railroad by an employee thereof who does not engage in the occupation of a plumber for the general public; and plumbing work done by persons engaged by any public service company in the laying, maintenance and opera-

tion of its service mains or lines and the installation, alteration, adjustment, repair, removal and renovation of all types of appurtenances, equipment and appliances; appliance installation and service work done by anyone who is a licensed mechanical contractor or is employed by a licensed mechanical contractor in connecting appliances to existing piping installations; provided, however, that all work and service herein named or referred to shall be subject to inspection and approval in accordance with the terms of all local valid city or municipal ordinances.

COST OF PERMIT

20.7 Every applicant for a permit to do work regulated by this Code shall state in writing, on the application form provided for that purpose, the character of work proposed to be done and the amount and kind in connection therewith, together with such information, pertinent thereto, as may be required.

Such applicant shall pay for each permit, at the time of issuance, a fee in accordance with the adopted resolution of fees by the City Council.

Any person who shall commence any work for which a permit is required by this Code without first having obtained a permit shall, if subsequently permitted to obtain a permit, pay double the permit fee fixed by this section for such work, provided however, that this provision shall not apply to emergency work when it shall be proved to the satisfaction of the Administrative Authority that such work was urgently necessary and that it was not practical to obtain a permit before commencement of the work. In all such cases, a permit must be obtained as soon as it is practical to do so, and if there be an unreasonable delay in obtaining such permit, a double fee as herein provided shall be charged.

For the purpose of this section, a sanitary plumbing outlet on or to which a plumbing fixture or appliance may be set or attached shall be construed to be a fixture. Fees for reconnection and retest of plumbing systems in relocated buildings shall be based on the number of plumbing fixtures, gas systems, water heaters, etc., involved.

When a permit has been obtained to connect an existing building or existing work to the public sewer or to connect to a new private disposal facility, backfilling of private sewage disposal facilities abandoned consequent to such connection is included in the permit.

The permit and inspection fees shall be paid to the City before the issuance of a permit and before any work is started.

ALL WORK TO BE INSPECTED

20.8 All plumbing and drainage systems shall be inspected by the Administrative Authority to insure compliance with all the requirements of this Code.

NOTIFICATION

20.9 It shall be the duty of the person doing the work authorized by the permit to notify the Administrative Authority, orally or in writing, that said work is ready for inspection. Such notification shall be given not less than twenty-four (24) hours before the work is to be inspected.

It shall be the duty of the person doing the work authorized by the permit to make sure that the work will stand the test prescribed elsewhere in this Code, before giving the above notification.

STOP WORK ORDERS

20.10 Whenever any work is being done contrary to the provisions of this Code, the Administrative Authority or his authorized representative may order the work stopped by notice in writing served on any persons engaged in the doing or causing such work to be done, and any such person shall forthwith stop such work until authorized by the Administrative Authority to proceed with the work.

SUSPENSION OR REVOCATION

20.11 The Administrative Authority may, in writing, suspend or revoke a permit issued under the provisions of this Code, whenever the permit is issued in error or on the basis of incorrect information supplied, or in violation of any ordinance or regulation of any provisions of this Code.

LIABILITY

20.12 The Administrative Authority or any employee charged with the enforcement of this Code, acting in good faith and without malice for the jurisdiction in the discharge of his duties, shall not thereby render himself/herself liable personally and hereby is relieved from all personal liability for any damage that may accrue to person or property as a result of any act required or by reason of any act of omission in the discharge of his/her duties. Any suit brought against the Administrative Authority or employees, because of such act or omission performed by him in the enforcement of any provisions of this Code, shall be defended by the legal department of the jurisdiction until final termination of the proceedings.

UNCONSTITUTIONALITY

20.13 If any section, subsection, sentence clause or phrase of this ordinance is, for any reasons, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this Ordinance. The Legislative Body hereby declares that it would have passed this Ordinance, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

PLUMBING APPEALS AND ADVISORY BOARD

20.14 Created; membership; term of office of members; filling of vacancies.

(a) There is hereby created and established a board to be known as the Plumbing Appeals and Advisory Board of the City of Abilene, Texas, to be appointed by the Mayor with the approval of the City Council. Said board shall consist of five (5) voting and one (1) ex-officio members.

1. One licensed master plumber with not less than five (5) years active and continuous experience as a licensed master plumber;

2. One licensed journeyman plumber of not less than five (5) years active and continuous experience;

3. One general contractor;

4. One licensed architect;

5. One private citizen; and

6. The Building Official or his designee shall be ex-officio nonvoting member of said board.

The board members shall be appointed for the term of two years, so that three appointments shall end on even numbered years and two appointments shall end in odd numbered years. Provided, however that if any members of the Board shall become unable to act for any cause as hereinafter provided, then the Mayor with the approval of the City Council shall appoint a successor, or successors, to fill the unexpired term and until their respective successors shall duly appointed. All members of the Board herein provided shall serve without compensation.

The City Council may remove a member of the Plumbing Appeals and Advisory Board for Cause.

ELECTION OF OFFICERS; ADOPTION OF RULES; RECORD OF PROCEEDINGS; QUORUM

20.14 (b) The members of the Board shall meet as soon after their appointment as practicable for the purpose of organization. The Board shall formally elect a chairman, vice-chairman and a secretary. The Board may adopt such rules as it deems necessary for orderly conduct of its affairs. A full and complete record of the proceedings of said board shall be kept. A majority of the Board shall constitute a quorum for the transaction of business.

RIGHT OF APPEAL

20.14 (c) Any person, firm or corporation aggrieved by any interpretation of this code or by any decision or ruling by the plumbing inspector under this code shall have the right to make an appeal to the Plumbing Appeals and Advisory Board. Appeals shall be made in writing.

HEARINGS BEFORE THE BOARD

20.14 (d) Within a period of 30 days from the filing of the appeal, the Board shall hear the appeal, together with the testimony of all parties concerned and render a decision within three (3) days thereafter. In hearing such an appeal, the Board shall not have the power to waive or set aside the requirements of this code, but shall have the power to interpret its provisions and in case of alternate types of construction or material, shall determine whether or not such alternate type of construction or material is, in fact, equal to the standards of this code considering adequacy, stability, strength, sanitation and safety for the public health and welfare.

The appellant shall cause to be made at his own expense any tests or research required by the Board to substantiate his claims. The appellant may appear in person before the Board or be represented by an attorney and may introduce evidence to support his claims.

APPEAL FROM BOARD DECISION

20.14 (e) Any person, firm or corporation who may be aggrieved by the decision of the Board shall have a right of appeal to the City Council within ten (10) days from the rendition of such decision. Said appeal shall be perfected by a written notice addressed to the City Secretary asking for a hearing by the Council, and the action of the City Council thereon shall be final; except that due process shall not be denied and further appeal may be made to the nearest court of competent jurisdiction.

ADVISORY RESPONSIBILITY OF BOARD

20.14 (f) The Board shall submit to the City Council such recommendations for the improvement and revision of this code as it may from time to time deem necessary and proper in light of the development of new materials, methods or techniques which would result in a better and more economical installation. All requests for use of materials or methods not covered in this code shall be fully supported by factual evidence, or prior approval, from a recognized testing agency or such impartial qualified authority acceptable to the Board.

Adopt the 1988 Uniform Plumbing Code in its entirety with the following exceptions.

INSTALLATION REQUIREMENTS

CHAPTER 1

DEFINITIONS

Section 110 (c) - Delete in its entirety and add:

(c)Industrial Waste - Any amount of a liquid waste and waterborne liquid, gaseous and solid substances discharged or disposed of from any industrial, manufacturing, trade or commercial establishment, including non-profit organizations, government agencies or business activities. Such term shall not include normal waste discharged from sanitary conveniences on the premises unless such waste water is commingled with the above.

Section 110 (f) - Add the following section:

(f)Irrigation Systems - means an assembly of component parts permanently installed with and for the controlled distribution and conservation of water for the purpose of irrigating any type of landscape vegetation in any location for the purpose of dust reduction or erosion control.

Section 113 (g) - Add the following section:

(g)Licensed Irrigator - means a person licensed by the Texas Board of Irrigators under a Licensed Irrigators Act Article 8751, Section 7, Vernon's Texas Civil Statutes, who sells, designs, consults, installs, maintains, alters, repairs or services an irrigation system including the connection of such system in and to a private or public, raw or potable water supply system or any water supply.

MATERIALS AND ALTERNATES

CHAPTER 2

QUALITY AND WEIGHTS OF MATERIALS ALTERNATE MATERIALS ALTERNATE METHODS OF CONSTRUCTION

Section 203-Use of Copper Tubing

Section 203 (a) Delete in its entirety and add:

(a) Copper tube for underground drainage and vent piping shall have a weight of not less than that of copper drainage tube type M.

Section 203 (b) Delete in its entirety and add:

(b) Copper tube for above ground drainage and vent piping shall have a weight of not less than that of copper drainage tube type M.

Section 204 - Lead

For flashings or vent terminals - change to read: not less than two (2) pounds per square foot or 1.2 mm. thick.

Section 206 - Closet Rings (Closet Flanges)

Section 206 (a) Delete in entirety and add:

(a) Floor flanges for water closets or similar fixtures shall be of an approved type and shall be bronze, copper, hard lead, cast iron, PVC or other approved materials. Adjustable metal to PVC floor flanges are not permitted. Each such closet ring (closet flange) shall be approximately seven (7) inches (178 mm) in diameter and, when installed, shall, together with the soil pipe, present a one and one-half (1-1/2) inch (38 mm) wide flange or face to receive the fixture gasket.

Section 206 (c) Delete in its entirety and add:

(c) Closet rings (closet flanges) shall be burned or soldered to lead bends or stubs, shall be caulked to cast iron soil pipe, shall be solvent cemented to PVC and shall be screwed or fastened in an approved manner to other materials.

GENERAL REGULATIONS

CHAPTER 3

GENERAL INSTRUCTIONS AND REGULATIONS

Section 305 - Industrial Wastes

Section 305 (a) Delete in its entirety and add:

(a) Industrial Wastes - Any person generating waste prohibited from discharge into a sanitary sewer by the Industrial Waste Ordinance shall pretreat or otherwise dispose of the prohibited waste so as to make the waste actually discharged to the sanitary sewer acceptable under the standards established in the Industrial Waste Ordinance for the City of Abilene. #100-1983.

Section 315 - Protection of piping, Materials and Structures
Add the following:

(g) No bathtub shall be installed with fittings on the outside wall unless it has an access door or complies with 904B.

Section 316 - Hangers and Supports

Section 316 (b) (7) Delete in its entirety and add:

(b) (7) Plastic pipe - Plastic pipe shall be supported according to manufacturer's recommendation.

Section 318-Inspection and Testing

Section 318 (b) (3) Delete in its entirety and add:

(b) (3) Water Test - The water test shall be applied to the drainage and vent systems either in its entirety or in sections. If applied to the entire system, all openings in the piping shall be tightly plugged except the highest opening of the section under test, and each section shall be filled with water, but no section shall be tested with less than 6" above the highest fixture rim. The water shall be kept in the system or in the portion under test for at least fifteen (15) minutes before inspection starts. The system shall then be tight at all points.

Section 318 (b) (5) Building Sewer Test. Delete in its entirety.

Section 318 (b) (6) Add a sentence which reads:

Polybutylene pipe shall be tested at 125 psi.

DRAINAGE SYSTEMS

CHAPTER 4

DRAINAGE SYSTEMS

Section 401--Materials Delete in its entirety and add:

(a) Drainage piping shall be cast iron, lead, copper, brass, PVC, extra strength vitrified clay pipe, or other approved materials having a smooth and uniform bore, except that:

(1) No galvanized wrought iron or galvanized steel pipe shall be used underground and shall be kept at least six (6) inches (152.4 mm) above ground.

(2) PVC DWV piping installations shall be limited to those structures where combustible construction is allowed and limited to structures two stories or less. No-hub connectors for cast iron pipe shall not be used below slab on grade.

(3) Vitrified clay pipe or fittings or not permitted except for the use of clay taps.

(b) Drainage fittings shall be of cast iron, malleable iron, lead, brass, copper, PVC, vitrified clay, or other approved materials having a smooth interior waterway of the same diameter as the piping served and all such fittings shall conform to the type of pipe used.

(1) Fittings on screwed pipe shall be of the recessed drainage type. Burred ends shall be reamed to the full bore of the pipe.

(2) The threads of drainage fittings shall be lapped so as to allow one fourth (1/4) inch per foot (20.9 mm/m) grade.

Section 406 - Cleanouts

(a) Delete in its entirety and add:

Each horizontal drainage pipe shall be provided with a cleanout at its upper terminal and each run of piping, which is more than seventy-five feet in total developed length shall be provided with a cleanout for each seventy-five feet or fraction thereof, in length of such piping.

Exceptions:

4. Change to read: A factory listed approved two-way type cleanout fitting installed outside the building wall near the connection between the building drain and the building sewer, and a factory listed approved two-way type cleanout fitting installed inside the building wall, may be substituted for an upper terminal cleanout.

Table 4-3

Size of Drainage Piping

Table 4-3 on page 44. Lists maximum unit loading and etc. on the horizontal line under Maximum units. Delete the one (1) under the 1 1/4 size pipe and insert 0. Delete the one (1) under the 1 1/ size and insert 0.

VENTS AND VENTING

CHAPTER 5

Section 503 - Materials

Section 503 (a) - Delete in its entirety and add:

(a) Vent pipe shall be cast iron, copper, brass, PVC, or other approved material except that:

Section 503 (a) (1) Delete in its entirety.

Section 503 (a) (2) PVC DWV piping installation shall be limited to those structures where combustible construction is allowed and limited to structures two stories or less.

INDIRECT WASTE PIPING, WET VENTED SYSTEMS AND SPECIAL WASTES

CHAPTER 6

Section 601 - Indirect Waste Conditions (a) Delete second paragraph.

Section 604 - Indirect Waste Receptors

Section 604 (a) Delete in its entirety and add:

(a) All plumbing fixtures or other receptors receiving the discharge of indirect waste pipes shall be approved for the use proposed and shall be of such shape and capacity as to prevent splashing of flooding and shall be located where they are readily accessible for inspection and cleaning. No stand-pipe receptor for any clothes washer shall extend more than thirty (30) inches (.8m), nor less than eighteen (18) inches (.5m) above its trap. No trap for any clothes washer standpipe receptor shall be installed below the floor, but shall be roughed-in not less than 18" above its trap and not more than 18" above the floor. No indirect waste receptor shall be installed in any toilet room, closet, cupboard or storeroom, nor in any other portion of a building not in general use by the occupants thereof; except standpipes for clothes washers may be installed in toilet and bathroom areas when the clothes washer is installed in the same room.

Section 612 - Chemical Wastes

(g) Add to the end of this section:

(Industrial Waste Office, City of Abilene)

(h) Delete (need not)--Add may need to apply...

(h) Add to the end of this section:

However, chemical discharge must comply to limits established by the City of Abilene under the Industrial Waste Ordinance.

TRAPS AND INTERCEPTORS

Chapter 7

Section 701--Traps Required

Section 701 (a) Delete last sentence.

Section 703--Traps Described

Section 703 (a) Delete ABS and lead as approved materials. Add 20 gauge may be used on sinks and lavatories.

Section 708 - Industrial Interceptors (Clarifiers) and Separators

Section 708 (b) Approval - Delete in its entirety and add:

(a) Approval - The size, type and location of each interceptor (clarifier) or separator shall be approved by the Administrative Authority, in accordance with its standards. Except where otherwise specially permitted, no waste other than those requiring treatment or separation shall be discharged into any interceptor (clarifier). Waste in excess of 120 degrees F (48.9 degrees C) shall not discharge into a grease trap. Indirect wastes

shall meet the requirements of the Industrial Waste Ordinance.

Section 710 - Minimum Requirements for Auto Wash Rack
Add:

The proper grease, oil and sand traps shall be installed to meet the Uniform Plumbing Code and the City of Abilene Industrial Waste Ordinance standards.

JOINTS AND CONNECTIONS

Chapter 8

Section 802 - Typical Joints

Section 802 - (i) Bituminized Fiber Pipe Joints. Delete in its entirety.

PLUMBING FIXTURES

Chapter 9

Section 904 - Strainers and Connections

Section 904 (b) Connections. Delete in its entirety and add:

(b) Connections. Fixtures having concealed slip-joint connections shall be provided with an access panel or utility space at least twelve (12) inches (.3 m) in its least dimension and so arranged without obstructions as to make such connections readily accessible for inspection and repair. Provided however, that concealed fixture connections of drawn brass tubing not less than 20 gauge (.045") (1.1 mm) and made without slip-joints need not be provided with access panels.

WATER DISTRIBUTION

Chapter 10

Section 1003 - Cross Connection Control

Section 1003 (h) Lawn Sprinkling Systems. Delete in its entirety and add:

(h) Lawn Sprinkling Systems. Irrigation systems shall be equipped with an approved Double Check Assembly backflow preventer, installed between the potable water supply and water control valves in an accessible location for testing and servicing. When located below grade, it must be in an approved box of adequate size to permit working access to both sides.

Atmospheric Vacuum Breakers may be installed in either of the two following ways:

A. A separate Atmospheric Vacuum Breaker shall be installed at a height of 6" above the highest head, and on the discharge side of each water control valve and all of the sprinkler

heads such valve controls.

B. A single Atmospheric Vacuum Breaker may be installed in the pressure main only if there is a single automatic master water control valve in the pressure main. The automatic master water control valve shall be installed between the potable water supply and the Atmospheric Vacuum Breaker.

An Atmospheric Vacuum Breaker shall not be subjected to continuous pressure on the supply side.

Section 1003 (1) Add at end of section:
, or installed 4" above grade.

Section 1004 - Materials

Section 1004 (a) Delete reference to "asbestos cement" in this paragraph.

Section 1004 - Add the following section

Section 1004

(g) Copper size CPVC is not permitted.

Section 1008 - Installation, Inspection, and Testing

Section 1008 (a) Delete the last two sentences and insert:

All water service yard piping shall be at least 18" below finish grade.

Section 1008 (c) (1) Delete in its entirety and add:

When a probability exists that copper pipe will come in contact with dissimilar piping or with any other copper piping such copper pipe will be wrapped or otherwise insulated by a minimum 1/8th inch thickness of approved non-conductive, non-corrosive and non-deteriorating material.

CHAPTER 11

BUILDING SEWERS

Section 1105 - Size of building sewers. Add to the end of this section:

But in no case shall the building sewer be less than four inches (4").

Section 1107 - Cleanouts

(a) Delete first sentence of second paragraph and rewrite as follows: Additional building sewer cleanouts shall be installed at intervals not to exceed seventy-five feet in straight runs from the top of the clean out and for each aggregate change in direction exceeding one-hundred and thirty-five (135) degrees.

(b) Delete in its entirety.

Add the following section:

Section 1107

(g) Manholes shall comply with City of Abilene Engineering Department standards.

CHAPTER 12

FUEL GAS PIPING

Section 1206 - Inspections

(c) (2) Final Piping Inspection: Delete first sentence of second paragraph and insert:

The piping and valves shall be tested at a pressure of at least ten (10) inches of mercury, measured with a manometer or slope gauge.

Section 1212 - Material for Gas Piping. (a). Delete in its entirety and add:

(a) All pipe used for the installation, extension, alteration or repair of any gas piping shall be standard weight wrought iron or steel (black), yellow brass (containing not more than seventy-five (75) percent copper), or internally tinned or equivalently treated copper of iron pipe size. Approved PE pipe may be used in exterior buried piping systems.

Section 1213 - Installation of Gas Piping.

Section 1213 (l) Delete in its entirety and add:

(l) All gas outlets located in a barbecue or fireplace shall be controlled by an approved operating valve located in the same room and outside the hearth, but not more than four (4) feet (1.2 m) from such outlets. When piping on the discharge side of any such control valve is standard weight brass, such piping may be embedded in or surrounded by not less than two (2) inches (50.8 mm) of concrete or masonry.

Section 1213 (m) Delete in its entirety and add:

(m) All gas outlets located in a barbecue or fireplace shall be controlled by an approved operating valve located in the same room and outside the hearth, but not more than four (4) feet (1.2 m) from such outlets. When piping on the discharge side of any such control valve is standard weight brass or galvanized steel, such piping may be embedded in or surrounded by not less than two (2) inches (50.8 mm) of concrete or masonry.

Section 1213 (o) Delete in its entirety and add:

(o) A number 18 coded copper tracer wire or other materials

shall be installed with and attached to underground non-metallic gas piping and shall terminate above grade at each end.

CHAPTER 13

WATER HEATERS AND VENTS

Section 1310 - Protection from Damage. (e) Delete in its entirety and add:

(e) All water heaters shall be provided with a pan where in the event of a leak, damage may occur to the interior finishes.

Section 1311 - Access and Working Space

Add the following to Section 1311 (b) A permanent ladder may be exempt in a single story building with a 2'X4' lay-in-ceiling.

Section 1311 (c) Delete in its entirety and add:

(c) By a trap door or opening and passageway not less than (24) inches (609.6 mm) by thirty (30) inches (762 mm) but in no case smaller than the water heater, the passageway shall be continuous from the trap door or opening to the water heater. The trap door or opening shall be located not more than twenty (20) feet (6.1 m) from the water heater.

APPENDIX A

Adopt 1988 Uniform Plumbing Code in its entirety.

APPENDIX B

Adopt 1988 Uniform Plumbing Code in its entirety.

APPENDIX C

Amend opening paragraph preceding table to read:

APPENDIX C

Minimum Plumbing Facilities

Each building shall be provided with sanitary facilities, including provisions for the physically handicapped, as prescribed by the Texas State Board of Controls, Elimination of Architectural Barriers, P.O. Box 13047, Capitol Station, Austin, Texas 78711.

Delete paragraph preceding Footnote 1 and add: Whenever urinals are provided, one (1) water closet less than the number specified may be provided for each urinal installed, except the number of water closets in such cases shall not be reduced to less than one third (1/3) of the minimum specified.

Add a footnote Number 14 which reads:

14. This table is to be considered as a basic guide. The num-

bers contained herein may be modified upon the written recommendation of a licensed architect or licensed professional engineer.

APPENDIX D

D1 Materials: (a). Delete in its entirety and add:

D1 (a) Rainwater piping placed within the interior of a building or run within a vent or shaft shall be of cast iron, galvanized steel, wrought iron, brass, copper, lead, Schedule 40 PVC or other approved materials.

PVC DWV piping installations shall be limited to those structures where combustible construction is allowed and limited to structures two stories or less.

D1 (c) Delete in its entirety and add:

D1 (c) Rainwater piping located underground within a building shall be of service weight weight cast iron, type L copper tube, Schedule 40 PVC or other approved materials.

Part C

Sizing of Rainwater Piping

Add the following:

D3.4 Based on local and national statistics the rain fall in inches for sizing shall be 6".

APPENDIX E

E9 Mobile Home Lot Drain Inlet and Lateral. (d) Delete in its entirety and add:

E9 (d) All materials used for sewer connections between a mobile home and the inlet shall be rigid corrosion resistant, non-absorbent and durable. The inner surface shall be smooth.

E12 Trap. (a) Delete in its entirety and add:

E12 (a) Each lot drain inlet shall be provided with an effectively vented trap not less than four (4) inches (102.4 mm) in diameter for inlets designed to receive the discharge of vehicles equipped with toilets.

E15 Wet Vented Systems. (2) Delete in its entirety and add:

E15 (2) Wet vented drainage shall not be less than 4" in diameter.

E16 Systems Without Traps. Delete in its entirety.

E17 Pipe Size. Delete Table E-1 in its entirety and add:

TABLE E-1

Drainage Pipe Diameter and
Number of Fixture Units on Drainage System

Size of Drainage Pipe (inches)(mm)	Max. No. of fixture units individually vented system	Max. No. of fixture units wet vented system	Terminal and relief vent-wet vented system (inches)(mm)
4	101.6	180	35
5	127	356	180
6	152.4	600	356

E17 (c) Delete in its entirety.

E18 Mobile Home Drain Connectors. (a) Delete in its entirety and add:

E-18 (a) A mobile home shall be connected to the park drain inlet by means of a drain connector consisting of approved pipe not less than Schedule 20, appropriate fittings and connectors, and not less in size than the mobile home drain outlet. The fitting connected to the park drain inlet shall be a directional fitting to discharge the flow into the drain inlet.

E27 Mechanical Protection. Delete in its entirety and add:

E27 Mechanical Protection. Backflow preventers and pressure relief valves shall be protected from damage by vehicles or other causes. Such protection may consist of post, fencing, or other permanent barriers.

E36 Installation. (b). Delete in its entirety.

E39 Mobile Home Lot Shutoff Valve. Delete in its entirety and add:

E39 Mobile Home Lot Shutoff Valve. Each mobile home lot shall have an approved gas shutoff valve installed upstream of the mobile home lot gas outlet and located on the outlet riser height of not less than four (4) inches (101.6mm) above grade. Such valve shall not be located under any mobile home and park owned meters shall be readily accessible, within twenty (20) feet of the mobile home. Refer to Section 1213 for location of gas shut-off.

E40 Mobile Home Gas Outlet. (b). Add to end of section:

This paragraph refers only to the construction of the mobile home lot.

E41 Mobile Home Connector. Delete in its entirety and add:

E41 Mobile Home Connector. Each mobile home shall be connected to the mobile home outlet by approved pipe and pipe fittings. If

the fuel gas being supplied is LPG, the connection shall be made with copper tubing or and approved mobile home connector. The amount of exposed horizontal piping from the mobile home lot riser to the mobile home shall not exceed two (2) feet. Gas piping or connectors shall be of a size to adequately supply the total demand of the connected mobile home.

E63 Delete in its entirety and add:

E63 Shower areas shall be of the individual type, be screened from view, and be not less than 30 inches (0.8m) by 30 inches (0.8m) in area. Each shower area shall be designed to minimize the flow of water into the dressing area and shall be properly connected to the sewage system by means of the trapped inlet.

E76 Omit the first line of the table referring to 5 vehicles served.

E84 Each drain inlet shall be protected from movement by being cased in a concrete slab no less than three and one-half (3 1/2) inches in thickness and surrounding the inlet not less than six (6) inches on any side, or by equivalent protection. It shall be provided with a tight-fitting plug or cap which shall be secured by a durable chain (or equivalent) to prevent loss.

APPENDIX G

Delete in its entirety. Refer to the Swimming Pool and Spa Ordinance.

APPENDIX H

H2 Design See Attached approved designs for grease traps and sand interceptors.

H3 Location (a). Delete in its entirety and add:

H3 Location

(a) Each grease interceptor shall be so installed and connected that it shall be at all times easily accessible for inspection, cleaning and removal of the intercepted grease. Location of the grease interceptor shall meet the approval of the Administrative Authority.

APPENDIX I

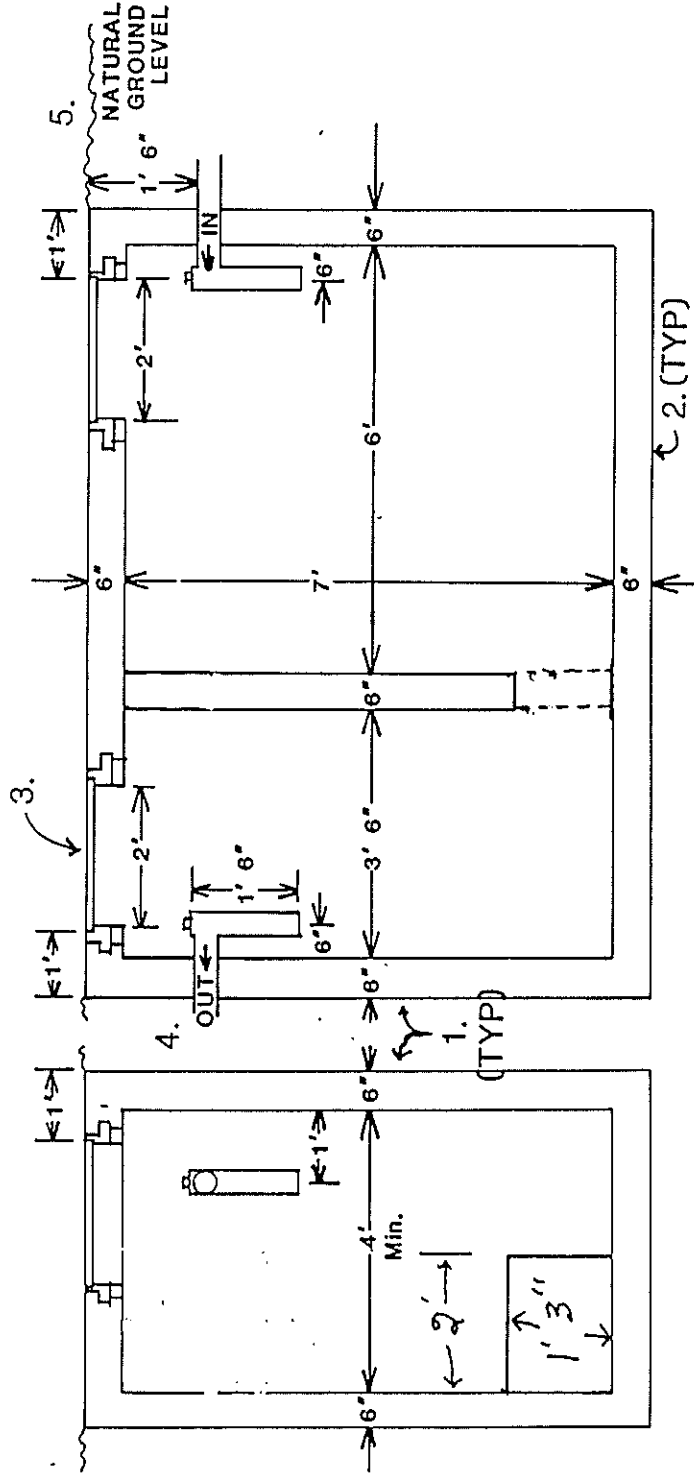
Delete entire Chapter and add:

Private sewage disposal systems shall be installed using the Texas State Construction Standards for private sewage systems.

STANDARD DESIGN TRAP

THIS TRAP IS A STANDARD ACCEPTABLE DESIGN AND SIZE. ITS PERFORMANCE IS ACCEPTABLE FOR NORMAL CONDITIONS AND FLOWS. NO CLAIM IS IMPLIED OF ITS OPERATION UNDER ABNORMAL FLOWS, MATERIAL CONSTITUENCY OR TEMPERATURES.

OIL AND GREASE



END VIEW

SIDE VIEW

NOTES:

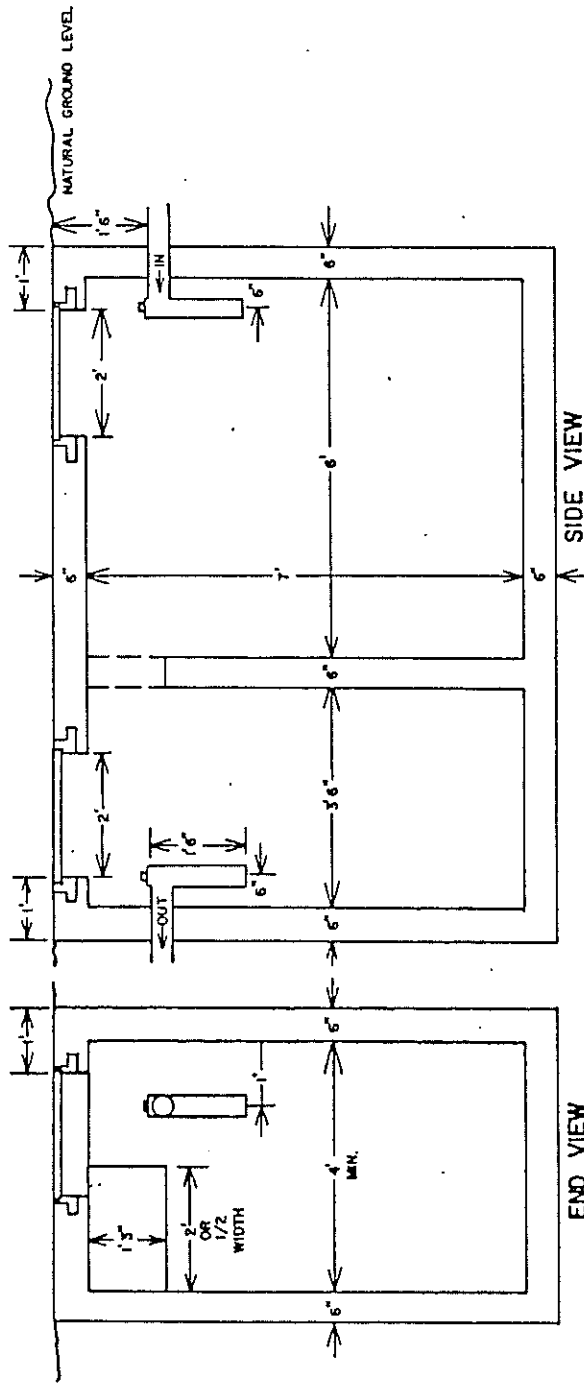
1. 3/8" STEEL RE-BAR SPACED 6" O/C IN ALL WALLS.
2. 3/8" STEEL RE-BAR SPACED 4" O/G IN TOP AND BOTTOM.
3. STANDARD MANHOLE RING-AND-LID'S TO BE USED
4. 2" VENT TO BE INSTALLED 2' DOWNSTREAM FROM TRAP.
5. TRAP MAY BE BUILT UP TO 6" ABOVE NATURAL GROUND LEVEL.

APPROVED BY: Alton Angles

DATE: 1-11-89

MANURE TRAP

STANDARD DESIGN



END VIEW

SIDE VIEW

NOTES:

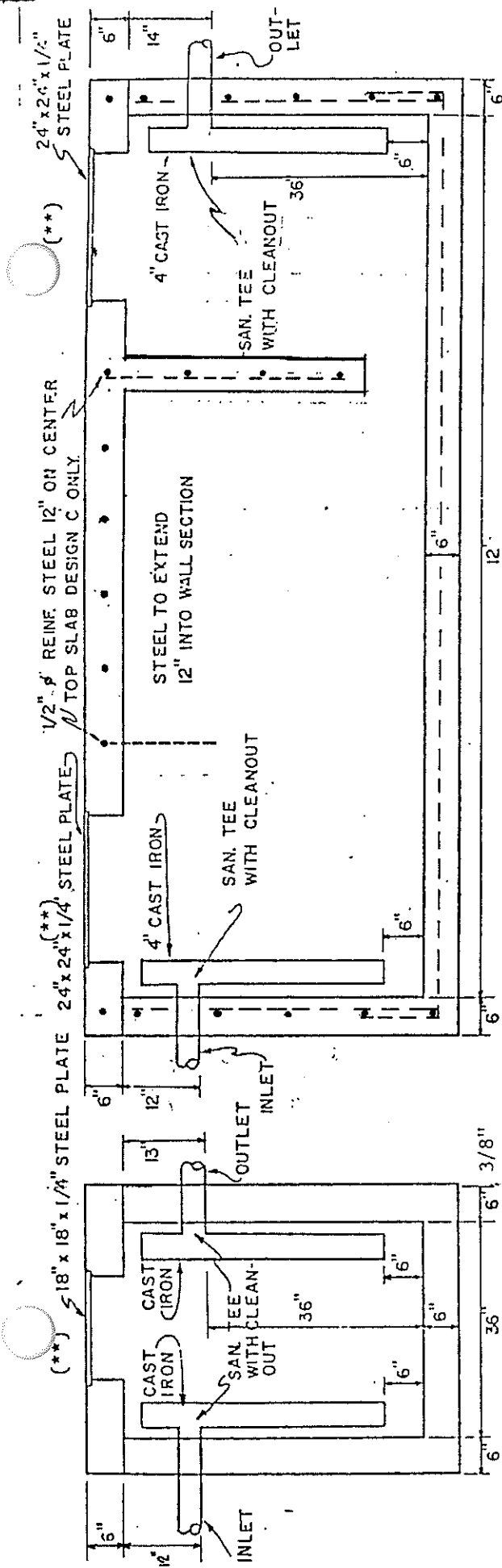
1. 3/8" STEEL RE-BAR SPACED 6" O/C IN ALL WALLS.
2. 3/8" STEEL RE-BAR SPACED 4" O/C IN TOP AND BOTTOM.
3. STANDARD MANHOLE RING-AND-LID'S TO BE USED.
4. 2" VENT TO BE INSTALLED 2' DOWNSTREAM FROM TRAP.
5. TRAP MAY BE BUILT UP TO 6" ABOVE NATURAL GROUND SURFACE.

APPROVED BY: *[Signature]* DATE: 6-12-1985

Scale: 1" = 10'
 Revisions: _____

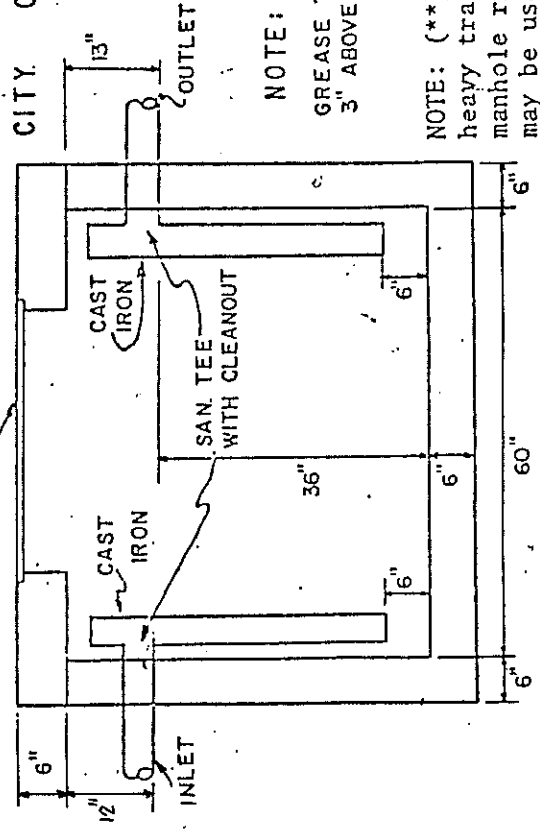
Rev. By: _____ Date: _____

CITY OF ABILENE
 Water Utilities Department
 Location and Drafting Office



DESIGN "A"
(MIN. SIZE)

MAX. CAPACITY 2 FIX. UNITS
1 TO 20 WASHING MACHINES
TANK VOL. TO FLOOD LINE 27 FT. 3
TANK WIDTH 36" INSIDE
SCALE 1/2" = 1'-0"



DESIGN "B"

MAX. CAPACITY 5 FIX. UNITS

DESIGN "C"

TYPICAL REINFORCING:
#3 REBAR 12" O.C. EACH WAY ON
VERTICAL WALLS: #4 REBAR 12" O.C.
IN BOTTOM SLAB DESIGN, TURN UP A
MINIMUM OF 12" AND TIE TO VERTICAL
STEEL.

MAX. CAPACITY 12 FIX. UNITS
OVER 40 WASHING MACHINES
TANK VOL. TO FLOOD LINE 108 FT 3
TANK WIDTH 36" SCALE 1/2" = 1'-0"

GREASE TRAP DESIGN

CITY OF ABILENE

**FIGURE FIXTURE UNITS THUS:
COMMERCIAL EQUIPMENT**

- 1 - CMPT SINK = 1 1/2
- 2 - CMPT SINK = 3
- 1 - DISHWASHER (TANK CAP 50 GAL. OR LESS) 3
- 1 - DISHWASHER (TANK CAP 50 GAL. OR MORE) 4 1/2

FLOOR DRAINS IN KITCHEN AREAS SHALL BE CONNECTED TO GREASE TRAP BUT ARE NOT INCLUDED IN FIXTURE UNIT CALCULATIONS
USE FOLLOWING MULTIPLIERS FOR TYPE OF USE.

- ELEM & HIGH SCHOOLS — 24 CLASS ROOMS OR LESS .75
- CAFES AND RESTAURANTS — 48 CLASS ROOMS OR LESS 1.00
- CAFETERIAS AND DRIVE IN RESTAURANTS 1.25
- INSTITUTIONS OTHER THAN SCHOOLS ABOVE 1.50

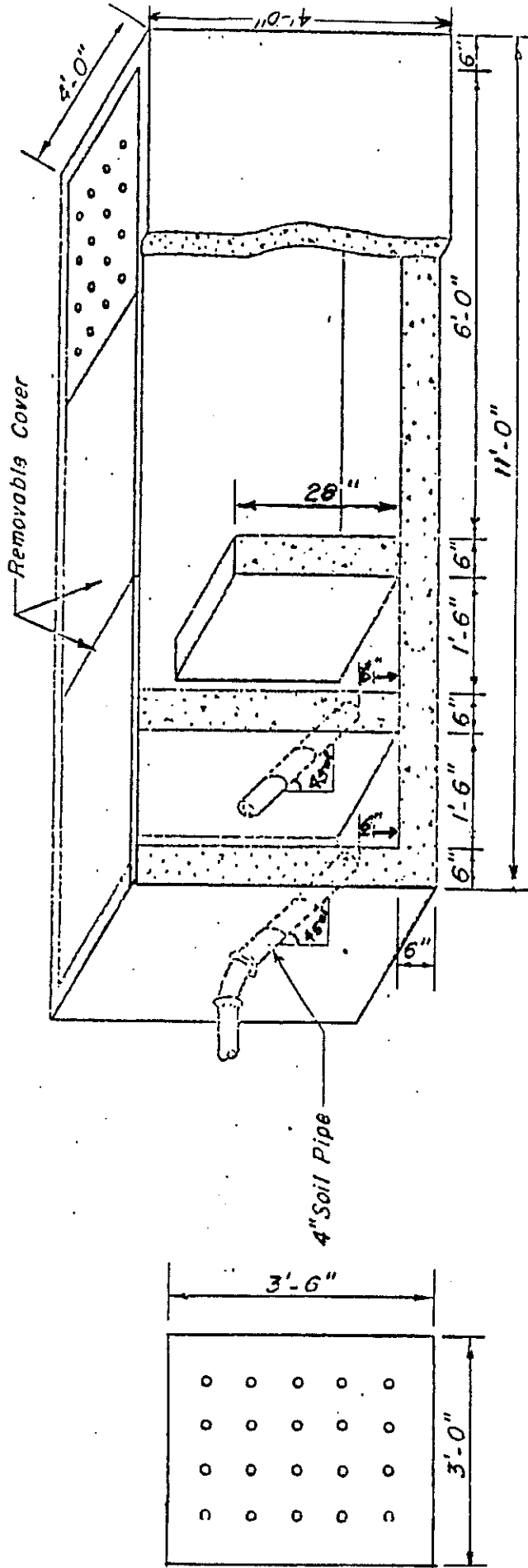
NOTE: (***) - In areas of heavy traffic, a standard manhole ring and cover may be used.

NOTE:
GREASE TRAPS APPROX. 3" ABOVE GROUND.

Must be Concrete and
 continuous pour.
 Covers to be 1/4" steel plates

Inside width of box 3'-0"

SAND TRAP INSIDE BUILDING MUST BE VENTED



GATE COVER

TYPICAL REINFORCING:

#3 REBAR 12" O.C. EACH WAY ON VERTICAL
 WALLS: #4 REBAR 12" O.C. IN BOTTOM
 SLAB DESIGN, TURN UP A MINIMUM OF 12"
 AND TIE TO VERTICAL STEEL.

BUILDING INSPECTION DEPARTMENT
 CITY OF ABILENE, TEXAS

DETAIL OF SAND TRAP FOR WASHROOM ETC.

SCALE: 1/2"=1'