

CITY OF AKRON, OHIO



AKRON PUBLIC UTILITIES BUREAU

RULES AND REGULATIONS



DONALD L. PLUSQUELLIC..... Mayor

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Mission

People providing quality, cost-effective water and sewer services to protect our communities' health and environment.

Vision

To be a recognized leader of innovative, competitive water and sewer services.

To achieve the Vision means:

- Workers at all levels are well trained, enthused and motivated.
- Productivity and efficiency are optimized and sustainable.
- Customers recognize water and sewer services as high quality.
- Systems, methods and tools for best practices, such as strategic planning, performance management, and technology, are in place.
- Meeting and/or exceeding regulatory compliance requirements.
- Financial plan is in place to ensure adequate operating and capital revenue.
- Asset management plan is in place to optimize life of physical and technological assets.
- Effective working relationships are in place with key stakeholders.
- Recognized by industry associations for high performance among comparable-sized utilities.

Our Service Area

The Akron Public Utilities Bureau provides water service to the City of Akron and all or portions of 18 cities or townships in Summit County. Additional details on our water service area can be found in the Akron Watered Service Area map on the inside back cover.

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Standard Drawings

CHAPTER I

GENERAL

101. Definitions

(A) The words "Public Utilities Bureau" or the abbreviation "APUB", shall mean the organization of the City Government charged with the operation, expansion, maintenance and management of the municipally owned water utility, and shall consist of a Manager and such subordinate officers and employees as may be required.

(B) The word "City" shall mean the City of Akron, Ohio.

(C) As used in these rules, the term "Condominium" is defined to mean the same as that term is defined in Chapter 5311, Revised Code, and is hereby declared to be a separate class, requiring a type of service unlike other users.

(D) The word "Council" shall mean the Council of the City of Akron, Ohio.

(E) The words "Curb Meter Pit" shall mean an approximate 2 foot diameter, 48 inch high pit with an accessible top suitable for housing a 1 inch or smaller water meter.

(F) The word "Director" shall mean the Director of Public Service of the City of Akron, or any officer duly authorized to act for the City in the management and operation of the APUB. Whenever any power is possessed by, or any act or thing is to be done by the City of Akron, the exercise of such power or the doing of such act or things by the Director shall be in compliance with the terms of these rules and regulations, unless by law some other officer of the City is required to act in the premises.

(G) The word "Houseline" shall mean the portion of the water piping between the "Service" and entrance to the building. All water piping outside the street property lines, up to and including the main control valves located

immediately inside a building shall be known as "Houselines" and shall be installed under the joint supervision and inspection of the APUB and of the applicable departments of the political subdivisions involved and shall be in compliance with the requirements of the APUB.

(H) The word "Main" shall mean the facility by which the water is distributed to hydrant runs and consumers' services.

(I) The word "Manager" shall mean the Manager of the Public Utilities Bureau, acting directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to each.

(J) The words "Meter Vault" shall mean a structure for housing meters larger than 1 inch and constructed as shown on one of the standard drawings, B-12724 or F-10193, or the latest revision thereof.

(K) The word "Owner" shall mean the legal owner of record.

(L) The word "Premises" shall mean the property served by one meter.

(M) The words "Private Line" shall mean a main smaller than 4 inches, constructed and owned by the consumer or a main 4 inches and larger, constructed by the consumer but ownership of which has been assumed by the APUB as specified in Section 807.

(N) The word "Service" shall mean the water pipe between the main and the property line, including the connection to the main and the curb stop or valve.

102. Duties

(A) The APUB shall be charged with the duty of furnishing an adequate supply of potable water for the inhabitants of the City. To that end, it shall provide adequate supply, treatment, pumping and distribution facilities, and necessary construction,

reconstruction, extension and repair of the water works system, exclusive of services, except as hereinafter provided.

(B) Council shall have sole power to establish special rates and conditions and to authorize contracts with Municipal Councils, County Commissioners, or the contracting authorities of other political subdivisions for the sale of surplus water.

(C) All ordinances, resolutions, rules and regulations dealing with the construction, maintenance and operation of the mains, hydrants, services and connections of the water works system and the protection thereof, shall apply throughout the entire territory served by the water works system, including extensions in the territory outside the City limits.

(D) The Manager shall direct the operation of the water works system and shall perform all the duties and exercise all the powers conferred in the APUB, and he shall, with the approval of the Director, prepare such rules and regulations as shall be necessary for the safe, economical and efficient management and operation of the water works system and the protection of the supply.

103. Appeals

(A) Any decision of the Manager made in the enforcement of these Rules and Regulations may be appealed to the Director by the person adversely affected.

(B) The Director shall have the authority to reverse or modify the decision of the Manager in those situations where unusual circumstances require a variance from the rules to avoid unreasonable hardship and impractical results.

(C) Such appeals must be made within a reasonable time or are waived. The Director shall hear the appeal no more than 30 days after the appeal is made unless the appellant agrees to an extension.

(D) The appeal must be made to the office of the Director of Public Service in writing and shall include a description of the unusual circumstances

and indicate the rule from which a variance is sought.

104. Assessment of Charges for Water

The Manager shall assess and collect charges for water from time to time, according to the rules and regulations of the APUB.

105. Contract

All contracts or accounts for water shall be between the APUB and the owner of the property.

106. Owner Request

All requests pertaining to the turning-on or turning-off of water, installing or removing of meter, etc., originating with the owner, must be in writing and signed by either the owner or his authorized agent, except as otherwise provided by the APUB.

107. Discontinuance of Service in Occupied Houses

Requests for discontinuance of service in legally occupied houses will not be honored or accepted for such purposes as eviction, enforcing collection of rents, or as a result of differences between owner and occupant. The APUB will not be liable for damages as a result of the enforcement of this regulation in such cases.

108. Records of Accounting and Underground

The APUB shall maintain such readings and records of meters as shall facilitate the collection of charges for water and shall also maintain a complete system of records and underground maps completely indexed and filed.

109. Pressure and Supply - No Guarantee

The APUB does not guarantee any fixed pressure or a continuous supply of water; these being subject to the varying conditions which may arise in the operation and maintenance of the water supply. Consumers whose operations require a continuous supply of water or definite pressures should provide against interruption by

the installation of tanks or other auxiliary supplies or pressure regulation sufficient to carry them over a period of interruption.

110. Access to Premises

(A) The APUB reserves the right, through its authorized agents, to enter at any reasonable hour, the premises to which its service extends for the purpose of reading, repairing, installing, removing and inspecting meters, or for any other purpose which it may deem necessary for the proper operation and maintenance of the water supply system. For these purposes, any employees that may be designated, upon exhibiting the proper credentials of the APUB, shall have free access to the premises using its supply of water and if such access is unavailable, a card will be left, stating that access is required and giving a phone number to call to make arrangements to provide access. In some cases, a letter may be sent stating that access to the water meter is required and the water supply shall be shut off and not turned on again until the requests of the APUB have been granted. If turn off procedures are started, additional charges may be made in accordance with Section 112 of these rules and regulations.

(B) When, as a matter of convenience to the owner of the property or his agent, it is necessary to read, set, test, repair or remove a meter at other than regular APUB working hours, an additional charge of five dollars (\$5.00) may be made in addition to any other charges as provided herein. APUB regular working hours for field customer service personnel, which may be modified from time to time, is currently defined as 8:00 a.m. to 3:30 p.m., Monday through Saturday.

111. Shut Down of Water Facilities

(A) Before a water main is turned off, either for repairs or alterations, an attempt shall be made to notify all consumers affected. Notice shall be considered to have been given when and if some person at each address has been told, either in person or in writing, of such action. The APUB will not be responsible for damages which may result from turning-off or turning-on of water whether or not occupant is notified.

(B) In case of breaks in mains, services, pumping and auxiliary machinery, reservoirs or

other water works equipment, the water may be shut off when necessary without notice. No claim will be allowed for damages arising from the turning-off or turning-on of the water.

112. Discontinuance of Supply of Water

(A) The supply of water through any service may be turned-off by the APUB for the following causes:

1. For the use of water on any premises other than that included in the application, except as herein provided.
2. For willful waste of water through improper, imperfect or worn out pipes or fixtures, or otherwise.
3. For failure to maintain in good order connections, service pipes, or fixtures owned by the applicant.
4. For cross-connections or inter-connection with any other supply of water.
5. For installation of pipe and fixtures such that a possibility of back siphonage or backflow exists.
6. For molesting any service pipe, meters, curb stop, corporation stop or seal, or any appliance of the APUB.
7. For non-payment of water rent or other charges accruing under the application, including but not limited to JEDD tap-in fees.
8. For absence of reasonable access for the purpose of inspection or for reading, caring for, installing of, or removing meters.
9. For making additions or alterations in or about service pipe or curb stop without notice thereof being previously given to and permission in writing obtained from the APUB.

10. For inability to obtain meter readings for three consecutive months.
11. For failure to pay the water bill at any other location for which a valid contract or account of said owner exists.
12. For failure of owner of property to execute a contract or account for a supply of water.
13. To vacant property as soon as such vacancy is determined.
14. For failure to install or maintain in acceptable condition, backflow prevention equipment as required under Chapter XII.

(B) The supply so turned off will not be turned on again until the cause of the turning-off has been removed and all charges, including the applicable charges for notification and turning-off as shown on page A-6, have been paid or the owner has agreed to have these charges added to the regular bill as a miscellaneous charge. Water to a premises shall be turned on only by employees of the APUB.

113. Operation of or Tampering With Property

No person shall operate, open or otherwise tamper with any valve, stop, seal or other device, or unlawfully secure a supply of water through such valve, corporation stop, curb stop or other device after same shall have been closed or installed for the violation or any rules or regulations of the APUB without having first secured the necessary permit from the APUB to do so.

114. Abandoned Services

(A) Buildings being torn down or demolished will be inspected, and all services which are not copper, may be shut off at the main.

(B) Abandoned services which are not copper, discovered not shut off at the main, may

be shut off by the APUB, and the cost of damage as may be sustained by reason of leaks on the abandoned service, may be charged to the owner of the premises formerly served.

115. Liability for Damage by Water

The APUB assumes no responsibility for damages arising from the shutting off of a main or for the shutting off of a supply of water to any premises or for damage due to leaks, broken or open pipes or fixtures when said pipe and fixtures are on private property.

116. Miscellaneous Property Ownership

All paraphernalia, equipment and miscellaneous property derived or received from the APUB is and shall remain at all times the property of the APUB and shall not be damaged or destroyed and shall be surrendered on demand.

117. Trespass on Water Works Property

No person shall trespass upon the grounds, standpipes, pumping stations, yards or other property of the APUB, nor tamper with, damage or destroy any of the buildings, fixtures or appliances operated or used in connection with the APUB, nor deposit any filth or rubbish or commit any nuisance thereon.

118. Use of Fire Hydrants

The City of Akron, Ohio, Code of Ordinances contains the following information: "Section 95.53 OPENING, INJURING OR OBSTRUCTING FIRE HYDRANTS. No person shall open or attempt to open or draw water from any fire hydrant without the consent in writing of the Mayor or Fire Chief or in any manner, injure, deface or obstruct the use of any fire hydrant or place or keep any obstruction, article or material of any kind, in front of any such hydrant, between the curb line and the center of the street, or within five feet of either side of such hydrant." Section 93.99 PENALTY, indicates that violation of this section constitutes a third degree misdemeanor. Section 130.99 indicates that the penalty for this class of misdemeanor shall be imprisonment for not more than sixty (60) days or a fine of not more than five hundred dollars (\$500.00) or both.

119. Conservation

Any water cooled air conditioning or refrigeration unit with a capacity of 60,000 BTU or larger must include a device to recycle the water.

120. Office Hours

The office of the APUB will be open to receive payment of water bills, and for the transaction of other business, between the hours of 8:00 a.m. and 4:30 p.m. Monday through Friday. The office will be closed on Saturdays, Sundays and legal holidays.

CHAPTER II

CHARGES

201. Water Rate Schedule - Composition of

All charges for water and for services rendered by the APUB shall be billed in accordance with the schedules on file in the office of the Director. In general, these schedules provide for:

- (A) Uniform rate of charge for all water served through meters and used within the City, whether the services are supplied by mains laid by the APUB or by private parties, or through private lines.
- (B) The charge for water furnished through meters and used outside the City shall be in accordance with special rates established by the City in a rate schedule to be published.
- (C) Water for temporary use will be supplied through standard services, where possible, and charged at metered rate.
- (D) When water cannot be supplied through a standard service, the applicant for water shall obtain a permit from the APUB and, after making a payment as provided in the schedule on file in the office of the Director, water will be supplied through a standard hydrant connection furnished by the APUB. A guarantee deposit shall be made for each connection. A charge of fifteen dollars (\$15.00) will be made for changing the location of the connection from one hydrant to another on the same job or contract. Readings for water bills shall be taken at activation and deactivation of service. Bills issued between activation and deactivation of service shall be estimated as shown on page A-5 unless account holder or his agent provides actual meter readings to the Public Utilities Bureau.
- (E) Special charges for temporary, unusual use of water may be made by the APUB.

- (F) When a service is turned off, turned on, or service transferred during the quarter, the charge shall be calculated in the following manner. One-third of the quarterly billing charge, plus one-third of the quarterly meter charge plus the charge for the consumption as measured by the meter or estimated in the event a meter reading cannot be obtained.

202. Free Water

The APUB shall furnish water, without charge, for the following purposes only:

- (A) For fire fighting purposes.
- (B) For cleaning fire apparatus.
- (C) For use of Street Cleaning Department for street flushing.
- (D) For use of Sewer Division for sewer flushing.
- (E) For use of City Departments for non-revenue producing activities.

203. Fire Service Charges

Annual charges for fire service shall be in accordance with the schedule shown on page A-1 or latest revision thereof. All water used, except for extinguishing fires, will be charged at the standard rates for metered water as recorded by the meter or estimated by the APUB. Additional charges may be made for water used for non-emergency fire purposes on fire lines served through double check detector assemblies in accordance with Section 707.

204. Service and Curb Meter Installation Charges

Services and curb meter pits will be installed at the standard rate in accordance with the schedule shown on page A-4 or latest revision thereof.

205. Meter Charges

All meters will be furnished and installed in accordance with Section 701.

206. Repair and Miscellaneous Work Charges

All repairs chargeable to the owner, except those for which a fixed fee is provided, will be billed at the total cost plus charges shown on pages A-1 through A-6, where applicable. Charges for miscellaneous work will be made at established rates on file or as determined by the Director. Renewal of service will be made in accordance with the rules governing renewals and schedules of rates on file in the office of the Director.

CHAPTER III

WATER CHARGES AND BILLS

301. Billing Districts

For the purpose of meter reading, billing and collecting, all metered water accounts shall be divided into appropriate districts as directed by the Manager to provide an even volume of work within the APUB organization. All water used shall be billed and payable monthly in each district whether based on an estimate or an actual meter reading.

302. Payment for Services

Charges for new services shall be paid at the time of making application. When the owner is required to pay for the renewal of a service, charges for said renewal shall be paid at the time of making application. Water will not be turned on permanently until all service charges are paid.

303. Payment of Miscellaneous Charges

All miscellaneous charges shall be paid within thirty days after the bill is rendered and are not subject to discount.

304. Creation of Water Account

Immediately upon the acceptance of an application for a supply of water, the APUB will open an account in the name of the owner of the premises, giving the account a number. Thereafter, all water bills against the premises shall be charged and all payments shall be credited on the books of the APUB to the account of the owner according to said account number.

Should application for supply of water be located in a JEDD, any related JEDD tap-in fees will be the responsibility of the owner whether or not all related documents, including the Declaration of Restrictions and Promissory Note, have been processed.

305. Non-Payment of Bills

Water may not be supplied to, and it may be turned off from, any premises the owner of which is delinquent in the payment of water bills or who is indebted to the APUB for materials, supplies, water service tap-in fees, or work done or in any other manner, until such indebtedness has been paid, whether the indebtedness was incurred at the premises so affected or at any other place within or without the City.

306. Delinquent Bills

When water rents or charges are not paid when due, the Director of Public Service may cause them to be certified to the County Auditor for placement as a lien upon the property served in accordance with the procedures set forth in Ohio R.C. 743.04. Certification of delinquent water charges may be concurrent with certification of delinquent sewer and trash collection charges.

307. Collection Procedures for Delinquent Bills

Owners of property are responsible for water used on premises they own.

When water/sewer/trash collection charges are not paid when due, the Director of Public Service or designate may do either or both of the following:

(A) Certify them, together with any penalties, to the County Auditor, who shall place the certified amount on the real property tax list and duplicate against the property served by the connection if the County Auditor also receives from the Director or other official or body additional certification that the unpaid rents or charges have arisen pursuant to a service contract made with the owner of the property that is served by the connection. The amount placed on the tax list and duplicate shall be a lien from the date placed on the list and duplicate and shall be

collected in the same manner as other taxes, except that, notwithstanding Section 323.15 of the Ohio Revised Code, the County Treasurer shall accept partial payment for the full amount of such unpaid water rents or charges and associated penalties. The lien shall be released immediately upon payment in full of the certified amount. The County Treasurer shall place any amounts collected pursuant to certification under this division in the distinct fund established by Section 743.06 of the Ohio Revised Code. Unless the Director or designate determines that a transfer of the property is about to occur, the Director or designate may only make a certification under this rule if the rents or charges have been due and unpaid for at least sixty days and the Director or designate has provided the owner of the property with written notice of the impending certification. However, no certification may be made directly with the owner of the property served.

(B) Collect them by action at law, in the name of the City from an owner or any other person who is liable for these charges.

At any time before certification as provided above, the Director or designate shall accept any partial payment of unpaid water rents or charges in the amount of ten dollars (\$10.00) or more.

Any account subject to certification will be charged twenty-five dollars (\$25.00) for additional collection efforts and handling.

308. Bill Against Vacant Property

A rebate or abatement will not be allowed on service to vacant premises. Owners shall be held responsible for all charges of the APUB accruing against the property until written notice shall be given to the APUB to discontinue the supply, or the water has been turned off by the APUB.

309. Charge for Water Found On

Where water has been turned off for any reason, it shall be so recorded, and the charge for water ceases from that date. However, wherever water is found turned on to a service, recorded as turned off on the records of the APUB, the

account shall be charged for the use of water from the recorded date of the turning-off of the service.

310. Account Reopened

An account closed due to vacancy may be reopened without any additional charges pending payments of all outstanding bills.

311. Billing and Delivery

Every account shall be charged and billed separately except as provided in the schedule of rates. The APUB will deliver bills for water and miscellaneous charges by depositing same in the Post Office only as a matter of convenience to the owner. Failure to receive bills shall not relieve any owner from his obligation in the payment of such bills or constitute a claim for discount.

312. Collection Responsibility

The APUB will make every possible effort to collect water bills as promptly as the nature and volume of the work will permit, but no owner shall be relieved from any obligation for payment of bills or JEDD tap-in fees that may be unpaid through failure of the APUB to make collections as provided by its rules.

313. Payment of Account by Tenant or Someone Other Than Owner on Behalf of Owner

Payments on an account for water, sewer and curbservice may be accepted by the City of Akron on behalf of the owner who owns the premises pursuant to the Rules and Regulations promulgated by the Director of Public Service under which the owner is responsible for the payment of water service, sewer service and curbservice for the specific premises whether the premises are occupied by such owner, land contract vendee, lessee, tenant or occupant, or unoccupied.

314. Reading for Billing

Readings for residential accounts with 1" and smaller shall be taken monthly. In the event an

actual reading is not obtained, monthly bills will be estimated based on prior meter readings. All other meter readings shall be taken quarterly. In the event an actual meter reading is not obtained, quarterly bills will be estimated based on prior meter readings. At the request of the owner, or his agent, special readings of meters may be made upon the payment of a fee of twenty-five dollars (\$25.00) plus overtime charges, if applicable, for each reading and report thereof.

315. Adjustments

(A) The amount of water registered by any meter shall be charged and paid for in full, irrespective of whether such water, after having been registered, was lost by leakage, accident or otherwise, except that water used in extinguishing fires will not be billed, and unknown underground leaks may be reduced by 100 percent of excess usage during the period of unknown leakage, said period being terminated as of the date of notification by the APUB to the owner and/or occupant of the premises served of the existence of said underground leak, but in no event over one year.

(B) When meters fail to register correctly, and during the time meters are removed for test or repairs, the charges for water will be assessed on an estimated amount based upon the average consumption shown when meter is in proper working order.

(C) When, upon examination, meters fail to register or the accuracy does not meet the requirements of the APUB, the account will be examined for a period of one year preceding the removal. Should there be a marked difference in consumption as shown by a defective meter and one in good repair, an additional charge or credit for under or over registration of meter for one year shall be made.

(D) An adjustment may be issued by the Public Utilities Bureau in circumstances where the registration on the meter is a result of the malfunctioning of equipment or apparatus whose care and maintenance is the responsibility of the Public Utilities Bureau or is the direct result of

efforts to provide a continuous supply of potable water to a property.

316. Refunds and Abatements

(A) A refund or abatement on a bill for metered water can be made only for one of the following reasons:

1. Where an error has been made in the reading of the meter, or the preparation of the bill.
2. When the meter, upon test, shows an average over-registration greater than two percent.
3. When any charge of the APUB has been paid twice or incorrectly.

(B) No refunds will be made based on estimated readings. In general, all overpayments will be credited to the account and shown as a credit against the account on the next bill rendered.

317. Complaints for Overcharge

Pursuant to Charter Section 65 and City of Akron Ordinance No. 740-1981, passed October 5, 1981, the following Rules and Regulations are hereby promulgated:

1. On and after January 1, 1982, or as soon thereafter as is practical, a NOTICE concerning disputed bills shall be sent with bills at least once per year.
2. The NOTICE shall be substantially as follows:

NOTICE:

Ordinance No. 740-1981 and Rules and Regulations of the Service Director authorize you to advise the City of complaints concerning this bill by calling (330) 375-2554 within ten (10) days of the date

appearing on the same line as the amount due. A person at that number will log your name, address, date and complaint. If you are not satisfied with the explanation, you may request a hearing before the City Claims Agent or, where applicable, the Claims Commission.

Failure to call within the ten (10) day period, followed by failure to pay prior to the SERVICE TURN OFF DATE will result in service turn off without further notice.

As an alternative, you may give written notice of your complaint, postmarked within the ten (10) day period, addressed to Public Utilities Bureau, 146 S. High Street, P.O. Box 3665, Akron, Ohio 44309-3665, Attention: Complaints Billing.

City assumes no responsibility as to whether the bill is or is not being received by the party charged with responsibility to pay.

3. The complaint shall be initially handled by calling (330) 375-2554. Thereafter, the complaint shall be referred to the Office Manager. If the dispute is not then resolved, the Office Manager is to advise that a hearing may be requested with the Director of Law, through the City Claims Agent if the amount is one thousand dollars (\$1,000.00) or less. If the amount exceeds one thousand dollars (\$1,000.00), a hearing shall be set to be heard by the City Claims Commission. Unfavorable disposition by the Claims Agent or Commission shall initiate turn-off procedures immediately thereafter.

4. A person is not entitled to a hearing if notice has not been given within the ten (10) day period. The personnel under the Office Manager should, however, attempt to resolve all complaints made before the turn off date.

318. Credits to Account

(A) Payments for combined utility billings will be applied in the following manner:

1. First, all arrearages to water, sewer and miscellaneous water and sewer charges, including arrearages prior to January 1, 1982, and all arrearages of curbservice charges after January 1, 1982, and all arrearages for recycling service shall be applied on a pro-rata basis.
2. Thereafter, miscellaneous water, sewer and curbservice charges, water service charges, sewer service charges, curbservice charges, and recycling service charges shall be applied on pro-rata basis.

(B) Partial payments will be accepted only under unusual and extraordinary circumstances.

319. Bill Payment

(A) All payments to the APUB shall be in currency, credit card, debit card, money order or by check drawn to the order of AKRON PUBLIC UTILITIES BUREAU. All payments by credit card, debit card, money order or check will be accepted subject to collection at the bank. In the event the credit card, debit card, money order or check is not honored by the bank and is returned for refund, the account to which payment has been credited will be charged twenty-five dollars (\$25.00) for additional collection efforts and handling.

(B) In addition, if the account was in a turn-off for non-payment status when the dishonored check was received, and if a 48 hour

notice of turn-off has already been served, the account shall immediately be subject to turn-off. In the event the account is subject to turn-off but has not received a 48 hour notice, such a notice shall be served and then turned off at the appropriate time if the account is not paid in cash, money order or cashiers check prior to the end of the 48 hour period.

320. Bill Period

(A) The period covered by a bill, except final bills, will terminate as of date of bill but exclusive thereof.

(B) In computing partial bills, either on consumption or time basis, date of bill will be used as the fixed date for starting or ending of the billing period, except that final bills, terminating within ten (10) days after date of bill, may be billed as of bill date. Likewise, new accounts opened within this period may be billed from start of normal billing period.

(C) Final bills terminating within ten (10) days before the end of the normal billing period may be computed upon the basis of the regular meter reading obtained for the quarterly billing of the account.

321. Payment Arrangement Other Than Bankruptcies

Payment arrangements for past due amounts owed for water, sewer, curbservice, and for medical events may be made under the following guidelines:

1. Regardless of occupancy, all payment arrangements must be in writing, signed by the owner of the premises and with written approval of the Director of the Department of Public Service or designee.
2. No payment arrangement may be made without initially collecting at least one-third of the past due bill for each premises and all of the current bill. Subsequent nearly

equal payment plus all current charges shall generally be paid within three (3) months. However, an owner of an owner-occupied residence may be extended a payment arrangement upon an initial payment of no less than 20 percent of the past due bill where such past due bill exceeds five hundred dollars (\$500.00) for consumption not exceeding one quarter. Subsequent nearly equal payments plus all current charges shall generally be paid within four months. Except for unusual circumstances, specifically approved by the Director of the Department of Public Service or designee, payment arrangements may not be made for less than sixty dollars (\$60.00) or twice the quarterly averaged monthly bill, whichever is greater. A copy of the payment arrangement shall be given to the owner. The sixty dollars (\$60.00) and five hundred dollars (\$500.00) limits shall be adjusted in proportion to subsequent combined water, sewer and curbservice rate charges rounded to the nearest ten dollars (\$10.00).

3. The payment arrangement shall contain a notice that failure to comply with the payment arrangement may subject the account to a tag notice of water turn off at the premises. The amount owing on the account at the time of tagging for water turn off is required to be paid in full to avoid water turn off. If a payment arrangement is not paid as agreed, no new payment arrangement may be accepted to avoid turn off of water service.
4. It is hereby specifically directed that payment arrangements shall

not be entered into with someone other than the owner of the premises. Such payment arrangements, if attempted to be made for non-owners, are void.

5. The payment arrangement shall also contain a notice that if a State, City, County or local Health Department having jurisdiction directs that water, sewer and/or curbservice either not be discontinued or restored to service then in such event, the owner shall make payment to the City of Akron for such services. Failure by the owner to make such payment may subject the owner to water turn-off at other properties owned by the owner and served by the City of Akron including the personal residence and/or business office of the owner which receives water, sewer and/or curbservice from the City of Akron.
6. See Rule 322 1(b) concerning DEPOSITS where a second payment arrangement is requested by an owner.
7. A written, properly executed, medical certification form wherein it is certified by a licensed physician that a turn-off of water is life threatening, may allow water turn-off avoidance under guidelines approved by the Public Utilities Bureau Manager.

322. Deposits

Deposits are divided into two (2) categories.

1. The first are those deposits deemed necessary by the City of Akron to better secure payment of owners.
 - (a) Where a second NSF check is negotiated within two (2) years

of the first NSF check on an account of an owner, the owner may be required to make a deposit of cash, certified check or acceptable money order of one and one-half (1½) times the last monthly water, sewer and curbservice bill (exclusive of delinquent charges or other late charges and adjusted for unusual circumstances which may have resulted in a high charge or credit) toward future bills as a consideration to permit continued service.

- (b) An owner who desires to enter into a second payment arrangement within two years may be required to make a deposit as in 1(a) at the end of satisfactorily completing the second payment arrangement as a condition agreed to by the owner as part of the consideration of entering into the second payment arrangement.
- (c) If a court orders water, sewer and/or curbservice maintained or restored to the premises under circumstances other than the bankruptcy of the owner, then the owner of the premises shall be given written notice of such court order within thirty (30) days provided the owner has continued to provide the City of Akron with a current address to which mail may be delivered. Such owner shall be advised that it is the responsibility of the owners to pay the City of Akron for such services. Failure by the owner to either make a deposit as in 1(a) or to make such payment shall subject the owner to water turn-off at other properties

owned by the owner and served by the City of Akron including the personal residence and business office of the owner which receive water, sewer and/or curbservice from the City of Akron.

- (d) As part of the consideration for the City agreeing to deposits under 1(a), (b) or (c), the owner shall agree to waive any interest which might otherwise be due on any part of the deposits.
- 2. The second category of deposits are those to be made under personal bankruptcies pursuant to II U.S.C. Section 366 and the Court Order issued by Honorable David D. Dowd, Jr., United States District Court Judge.
 - (a) Where an owner files a petition in bankruptcy and schedules the City of Akron as a creditor for water, sewer and/or curbservice, such owner has twenty (20) days from such filing to deposit with the City of Akron an amount of one and one-half (1½) times the last monthly water, sewer and curbservice bill (exclusive of delinquent charges or other late charges and adjusted for unusual circumstances which may have resulted in a high charge or credit).
 - (b) Within three (3) working days after receipt by the City of Akron that a petition for bankruptcy has been filed and that the City of Akron has been scheduled as a creditor for water, sewer and/or curbservice, the City shall send a written notice to the debtor and to the attorney for the debtor advising of the requirements to maintain

service after twenty (20) days. The failure to timely make the required deposit by such twenty (20) day period shall subject the premises where services are provided to termination of services until both payment in full is made for services provided since the filing of the bankruptcy petition and further until a deposit is made for future services which may exceed one and one-half (1½) times the last monthly water, sewer and curbservice bill. The required deposit may be used in whole or in part towards the payment of any or all post-bankruptcy filing period bills which have not been paid on the required monthly basis.

- (c) Since the deposit within the twenty (20) day period is made pursuant to II U.S.C., Section 366 and Court Order of Honorable David D. Dowd, Jr., there shall be no interest on said deposit unless so ordered by the Court. Since the City is not required to accept a deposit tendered after the twenty (20) day period, the City, in the absence of court order, may as a part of the consideration in accepting said post twenty (20) day deposit, require the debtor to waive any interest on said deposit and even where said deposit exceeds one and one-half (1½) times the last monthly water, sewer and curbservice bill.

CHAPTER IV

APPLICATION FOR A SUPPLY OF WATER

401. Water

(A) Application for a supply of water shall be made at the office of the APUB by the owner of the premises to be supplied, or his duly authorized agent, upon the form provided. These rules and regulations shall be part of every application for a supply of water, including but not limited to applications for service in JEDD townships. Where necessary buildings and/or site plans must be submitted at the time of making application for the purpose of determining location.

(B) Separate application must be made, and account opened, for each service from a main or existing private line. A service shall serve property owned by the applicant only and will only be connected from the mains in dedicated streets, dedicated utility rights-of-way or roads except for condominiums.

(C) An application for a temporary supply of water may be made by a realtor acting as agent for the owner in cases where the prior owner has sold the property to a relocation company. In such cases, the realtor must present a copy of the contract with the relocation company as proof that they are acting as agent for the owner.

(D) A licensed plumber may request temporary water service for one day to provide water necessary for testing plumbing installations or repairs. The arrangements for such a temporary supply of water may be made by calling the Meter Shop at 375-2440. Water service will be turned on and turned off by City of Akron employees only. In the event a plumbing check cannot be completed within one day or without the water service being turned off again, the same procedure should be used for additional tests. Only three (3) such testing periods will be permitted without charge for a given location. Additional tests may be arranged in the same manner and there will be a charge of twenty dollars (\$20.00) per testing period.

402. Service

A separate service shall be installed for each building occupied as a dwelling, apartment house or store, except that two or more buildings occupied as dwellings, apartment houses or stores on a single city lot or parcel of land owned by the applicant may be supplied with water by a single service, provided the additional building or buildings are either without street frontage or owned by a not for profit public corporation qualifying as a metropolitan housing authority. The applicant or metropolitan housing authority specifically agree that when the land and building so supplied in common with other buildings is sold, the APUB shall discontinue supplying water to the property so sold, and the new owner, as a condition precedent to being supplied water after making application for water service, shall pay for service to such building(s) and for metering facilities necessary to provide water service. In all events, the water bill to be rendered to applicant and the metropolitan housing authority shall be based on a determination either by dividing the total consumption shown on the meter by the number of buildings served in conjunction with such meter, or as may be determined by the Manager of the Public Utilities Bureau, to result in a bill equivalent to the charge resulting had a separate meter been installed for each building. In case it is necessary for the service to cross property other than that owned by the applicant or metropolitan housing authority, aforesaid applicant or metropolitan housing authority shall secure and record an easement permitting construction of the houseline from the owner of the land so crossed. Should any aforesaid new owner fail or refuse to pay for aforesaid service and/or metering facilities within sixty (60) days of transfer of ownership, the Manager of the Public Utilities Bureau may charge, as an additional charge, a surcharge of 25 percent of the water bill until such failure or refusal is corrected.

403. Water Service From Dedicated Utility Right-of-Way

(A) Water service may be provided from a dedicated utility right-of-way in the same manner as water service from a dedicated street.

(B) Such right-of-way shall be clear of all structures, be kept free of obstructions, be brought to and kept at the approved grade, and shall be subject to approval and/or conditions required by Director of Public Service and/or Public Utilities Bureau Manager, Fire Chief and City Planning Commission. Plans for developments and/or party for which City services are to be provided through dedicated utility rights-of-way must show the pavement location, pavement design (equivalent to the current standards of a residential street), curbs, and storm drainage facilities (if required) either within or adjacent to the dedicated utility right-of-way as required by the Director of Public Service, Fire Chief, and City Planning Commission. Further, such right-of-way may be entered into for ingress, egress, maintenance, new construction, operation, replacement, enlargement, reconstruction and other necessary purposes by or on behalf of all utility services, the same as if such right-of-way was a dedicated street.

(C) The distinction between a dedicated utility right-of-way and a dedicated street is that a dedicated street is open, while a dedicated utility right-of-way is not open to the general public for street purposes. A dedicated utility right-of-way must be accepted by the appropriate governmental subdivision by ordinance or resolution for the foregoing purposes before construction of water, sewer and other City services may commence. The dedicated utility right-of-way must be properly recorded by the appropriate County Recorder.

404. Service From Adjoining Street

Premises shall be served with water only through a service from the main in the street or dedicated utility right-of-way on which the lot has frontage, except that when there is no main in the street or dedicated utility right-of-way the owner of

the lot may, after obtaining a recorded easement from the owner of a lot on an adjoining street or dedicated utility right-of-way and paying the current front foot connection charge based on the width of his property as called for under Section 902(B), obtain water from the adjoining street or dedicated utility right-of-way. The owner of the lot to be served through the easement shall furnish a copy of the recorded easement to the APUB. In such case the APUB will open an account, install, at owner's expense, a service according to Section 501(A) and (B), curb meter pit and set a curb box on the adjoining street or dedicated right-of-way. The APUB may not be responsible for furnishing a supply of water to this premises. When the main is laid in the street or dedicated right-of-way on which the lot has frontage, the owner shall purchase a standard service from the new main or dedicated utility right-of-way and the APUB may disconnect the service from the main in the adjoining street at the owner's expense.

405. Service and Meter Sizing

Whenever required by the APUB, the applicant shall furnish prints of existing and proposed water lines and such additional information as may be necessary for the APUB to determine the size of the service, location and type of meter and the necessary changes in the piping schedule.

406. Miscellaneous Use

Application must be made for the use of water for the erection, repairing or altering of any building or structure, for street and sewer work, for the operation of steam engines and for any other purpose that requires the temporary use of water from a fire hydrant or unmetered source.

CHAPTER V

SERVICES

501. Installation - Responsibility and Payment

(A) Within the City of Akron, all services 2 inches and smaller for supplying water from the mains must be installed by the APUB at the expense of the property owner or person making application for the connection. On 4 inches and larger services, the APUB shall perform the tap on the existing water main, including valve with miscellaneous pipe and fittings, and tie into the owner's piping within 7 feet from the public main only. Owner shall be responsible for obtaining all permits including the street opening, all excavation and backfill within right-of-way, installation of pipe to 7 feet from main with inspection by APUB personnel, complete restoration within right-of-way, and assisting APUB crews with lowering/adjusting tapping machine and related fittings. Charges for all services will be in accordance with the schedule on page A-4. Payment for water services will be made in advance of installation.

(B) When water services are installed outside the corporation limits of Akron in retail service areas, applicants shall obtain and present the necessary written permission and any permits for the installation, including street opening permits, from the appropriate governmental subdivision. The installation of services 2 inches and smaller will be made by the APUB at the expense of the applicant unless otherwise provided for in the retail service contract. On 4 inches and larger services, the APUB shall perform the tap on the existing water main, including valve with miscellaneous pipe and fittings, and tie into the owner's piping within 7 feet from the public main only. Owner shall be responsible for obtaining all permits including the street opening, all excavation and backfill within right-of-way, installation of pipe to 7 feet from main with inspection by APUB personnel, complete restoration within right-of-way, and assisting APUB crews with lowering/adjusting tapping machine and related fittings. Charges for all

services will be in accordance with the schedule on page A-4. Payment for water services will be made in advance of installation, subject to the terms and conditions included in the Declaration of Restrictions and Promissory Note, if applicable.

(C) When water services are installed on private lines, applicants shall obtain the necessary written permission from the other property owners on the private line. Water services may be installed on private lines unless the APUB finds that such new service would significantly jeopardize the supply of water to the existing customers on the private line. Within the City of Akron, installation of services on private lines will be made according to Section 501(A) at the expense of the applicant. Outside the corporation limits of Akron in retail service areas, the installation will be made according to Section 501(B) at the expense of the applicant unless otherwise provided for in the retail service contract. Charges for all services will be in accordance with the schedule on page A-4. Payment for water services will be made in advance of installation.

(D) All service trenches within the street lines will be backfilled and the paving and sidewalks restored by the APUB for 2 inches and smaller services. Subsequent maintenance of these trenches shall be done by and at the expense of the APUB for 2 inches and smaller services. Surface restoration and maintenance of service trenches in retail service areas outside the corporation limits of Akron may be done by and at the expense of others if so specified by the retail service contract and Section 501(B).

(E) Whenever the City Council authorizes the permanent surfacing of a street, the cost of which is to be assessed against abutting property, the APUB, prior to the surfacing, may install a service complete to the property line for each lot facing the street. Such service may be assessed against such lot and placed on the tax duplicate for

collection and shall be known as an assessed connection. If no assessments are made for the improvement, the APUB may, at the discretion of the Director, install said services and such services shall be known as City connections.

(F) A permit may be granted for the use of a City connection and the charge for the service shall be the current charge based on the schedule on page A-4.

(G) Any service 2 inches and smaller installed for thirty (30) years or more, shall be connected to a houseline only at the discretion of the APUB. In the event a new service is installed to the premises, the owner will be required to pay the current charge in effect for such service.

(H) Records of locations of these services will be kept by the APUB and furnished to the owner upon request. Since correctness of location cannot be guaranteed, it is the responsibility of the owner to locate the service prior to installation of houseline. If, after diligent search by owner, the service cannot be located, the APUB, upon request, will try to locate it provided the owner signs a waiver absolving the APUB of any claim, loss, cost or expense if not located by the APUB.

502. Installation - Requirements

(A) Each 2 inch and smaller service shall have a curb stop located, in general, between the curb and the property line. Larger services shall have a valve and valve box located, in general, near the main. In initial installations, the APUB will provide a suitable connection at the property line for the houseline.

(B) All services shall be installed in dedicated streets or dedicated utility rights-of-way. Water service from mains located in easements will not be permitted.

(C) All services will be placed opposite the lot to be served at the center of the lot unless otherwise designated by the owner. Each service from the main to the property line shall be laid at right angles to the main.

(D) A service will not be installed in the same ditch with a sewer lateral. A service will not be connected to a houseline until the houseline installation has been inspected and approved by the APUB.

(E) Where a houseline has been installed and approved, previous to service installation, with its end location marked with a stake by the owner, the service will be connected to the houseline without charge. Otherwise, the connection must be made by the owner at his expense.

(F) All rules and regulations in effect now, or as they may be amended, governing the installation of services on mains in the City of Akron will govern the installation of services on water main extensions by private parties, political subdivisions and private line installations, unless otherwise modified by contractual agreement.

503. Size and Type

(A) The size and type of main connection and size of service pipe allowed for services are as follows:

<u>Type of Connection</u>	<u>Size of Connection</u>	<u>Size of Service Pipe</u>
Corporation stop	1"	1" to property line
Corporation stop	1½"	1½" to property line
Corporation stop	2"	2" to property line
Tee or cutting in gate valve	4"	4" to property line
Tee or cutting in gate valve	6"	6" to property line
Tee or cutting in gate valve	8"	8" to property line
Tee or cutting in gate valve	10"	10" to property line
Tee or cutting in gate valve	12"	12" to property line

The APUB reserves the right to use other combinations of the above connections if the necessary material is not available for the proper size.

(B) The minimum size of the service supplying water to a premises shall be determined by the APUB.

(C) The maximum size of service supplying water to a premise shall be determined by the APUB.

504. Fire Service Size

Unless specifically approved by the APUB and subject to Section 503(B) and (C), the largest service allowed for fire or sprinkler systems is 8 12 inches.

505. Curb Stop Operation

The curb stop or gate valve, as well as the corporation stop, are under the control of the APUB and must not be tampered with or interfered with or operated by unauthorized persons. Only authorized APUB employees shall turn on water into the premises to be supplied, except that a licensed plumber may turn on the water for testing purposes. The plumber must turn off the water when finished testing unless otherwise specifically permitted to leave water turned on by the APUB. When water to a premises has been turned off by the APUB for any of the reasons listed in Section 112, only authorized APUB employees shall turn on the water. If water is found to have been turned on by others, a charge of twenty dollars (\$20.00) shall be made to the owner and this charge must be paid prior to restoration of water service. If repeat incidences occur whereby the water is found to have been turned on by others, the water service may, after due written notice to service address, be disconnected from the water main. All costs of such disconnection or reconnection of the service to the water main as well as the above charges must be paid prior to restoration of water service.

506. Repair and Maintenance

(A) All services 1¼ inch and under, and all 1½ inch and 2 inch services of copper material, including all piping and fixtures for the delivering and supplying of water from the main to the curb stop, shall be maintained and/or repaired by the APUB at its expense. All repairs to services 1½ inch and over, will be made by the APUB and will be charged to the owner. Repair to services by the APUB shall include the repair of the curb stops and curb meter settings and connections thereto.

(B) Outside the corporation limits of Akron in retail service areas, the repair policy shall be the same as mentioned above, unless otherwise

modified by contractual agreement. Outside the corporation limits of Akron in non-contract areas, repairs to services will be made by the APUB and will be charged to the owner at the total cost plus charges shown on pages A-1 through A-6 where applicable.

(C) A service damaged by electrolysis or water hammer shall be repaired and protected to the satisfaction of the APUB at the owner's expense.

507. Renewal

(A) Services 1¼ inch and smaller within the City of Akron with inadequate volume due to the deterioration of the service and houseline may be renewed by the APUB from the main to the curb box or outlet side of curb meter pit at its expense. However, in this instance, the owner will be required to renew his houseline to the curb box or outlet side of curb meter pit before the APUB will renew the service. Services 1½ and 2 inches, shall be renewed to the curb box or outlet side of the curb meter pit by the APUB at the owner's expense. Services larger than 2 inches shall be renewed at the owner's expense according to Section 501(A). Renewal of a service made necessary by any of the reasons listed below will be made at owner's expense:

1. Change in use or occupancy of the premises.
2. Alterations or additions to the premises.
3. Addition of water using utilities or appliances.

(B) Whenever the City Council authorizes the permanent paving or resurfacing of streets, the APUB, at its expense, prior to the improvement, may renew services that were originally installed with material other than copper, cast or ductile iron. In this case, the renewal will be made from the main to the curb box, provided the curb box is in a dirt area or from the main to the property line in areas where streets will be paved between property lines. In either case, if the houseline is in such a deteriorated condition that the APUB is

unable to connect to the houseline, the owner will be required to renew the houseline of the same size and type of material as the renewed service at his expense.

(C) All service renewals outside the corporate limits of Akron in retail service areas will be made in accordance with the above renewal policy and Section 501(B), unless otherwise provided for by contractual agreement. Charges for such renewals will be at established rates on file in the office of the Director of Public Service and in accordance with the water service contract. Renewals in areas where there is no contract for water service with the appropriate governmental subdivision shall be at the expense of the owner at the total cost plus charges shown on pages A-1 through A-6 where applicable.

508. Abandoned

Any service, the use of which has been permanently discontinued, may be turned off by the APUB from the main at the expense of the APUB. If a service is abandoned because a houseline is placed in a location making the use of an existing service impractical, the owner shall pay for the cost of disconnecting the existing service from the water main. The cost of this work shall be as shown on page A-5 for disconnecting old service.

509. Thawing

The APUB will thaw frozen services from the water main in the street to the curb stop or valve at its expense. The owner shall be responsible for thawing the service and houseline from the curb stop or valve to the building.

CHAPTER VI

HOUSELINES

601. Requirements

(A) Houselines shall be of sufficient size to give adequate service at any fixture with a pressure of 25 psi at the curb line. Houselines from 2 inches and smaller services to the control valve in the building shall be not less than that specified for services. Houselines serving interior meter settings shall not be laid beneath concrete floors or asphalt areas, except as noted below. Houselines to interior meter settings in the rear of the building shall be laid outside the building foundation.

(B) A houseline serving an interior meter setting in a building without a basement or when the meter will not be adjacent to the outside wall, must be installed in a suitable conduit from one foot outside the building footer to 1 inch above the surface of the slab. If a houseline must be laid underneath a concrete or asphalt surface, then it shall also be installed in a suitable conduit when the houseline is 2 inches or smaller. In either case, the type of conduit shall be subject to the approval of the APUB. No couplings or connections will be permitted within any conduit unless approved by the APUB.

(C) Houselines shall be laid at least ten feet horizontally from any existing and proposed sanitary sewer lateral. In cases where it is not practical to maintain a ten foot separation, the Public Utilities Bureau may allow deviation on a case by case basis, if supported by data from the design engineer. Such deviation may allow installation of the houseline closer to a sanitary sewer lateral, provided that the houseline is laid in a separate trench or on an undisturbed earth bench located on one side of the sewer at such an elevation that the bottom of the houseline is at least 18 inches above the top of the sanitary sewer lateral.

(D) All houselines, 2 inches and smaller, shall be type "K" soft copper. Houselines larger than 2 inches shall be ductile iron. Fittings may be of brass, copper or ductile iron. Fittings for copper pipe shall be flared or compression type. Fittings for ductile pipe shall be boltless restrained push on

joint. The houseline shall be laid with at least 4 feet, 6 inches of cover. When laid with less for some uncontrollable reason, it shall be protected by a covering of 1 inch felt and water-proofed canvas or other suitable water-proofing material, or otherwise protected as directed by the APUB. All pipe and fixtures shall be effectively protected against damage by freezing.

(E) No attachment for withdrawing water shall be made to the service or houseline between the main and the meter, with the exception of a connection for fire protection system. A double check detector assembly shall be installed on the fire protection system immediately after the connection to the domestic system.

(F) Connections of houselines to existing services shall be made at the curb stop except where the material is of 1 inch or larger copper and in good condition when the connection may be made at the property line.

(G) In all cases, the houseline must be inspected and approved by the APUB prior to backfilling.

(H) Prior to installation of the houseline, the application for water service must have been completed. Where necessary, building, and/or site plans must be submitted at the time of making application for the purpose of determining minimum size and location.

(I) The APUB reserves the right to refuse a supply of water to premises on which the plumbing does not meet the requirements of the APUB, the Building Department and Board of Health of the political subdivision.

602. Leakage on Houselines

When tests made by the APUB indicate that there is a leak on the houseline between the valve on the service nearest the property line and the stop and waste or main control valve, a written notice to repair will be served upon the owner as carried on the books of the APUB and/or the occupant of the premises. If the owner does not

comply with the notice within ten (10) days, the APUB may shut the curb stop or gate valve controlling the service. A charge of twenty-five dollars (\$25.00) per trip to the premises will be made if the repair is not made or initiated within ten (10) days of notification.

603. Houseline Control Valves

(A) All buildings supplied by a service 1¼ inch and under, shall have an approved full flow through type valve installed on the inlet and outlet side of the meter. The inlet valve shall be installed within one foot of the entrance of the houseline to the basement. The valves shall be easily accessible and so installed that the water can be shut off to the entire premises and must be no smaller than the houseline pipe.

(B) Larger services shall have valves and meter settings installed in accordance with the APUB standards, with the main valve in the basement within three (3) feet of the outside building wall measured along the pipe. The above valving requirements apply to all new construction and replacements.

604. Manifolds

(A) When it is desirable to split the use and billing of water, a manifold, adjacent to the place where the houseline enters the basement, shall be provided. Each branch of said manifold shall be equipped with an approved full flow through type valve on the supply or inlet side of the meter and meter setting.

(B) The above valving requirements shall apply to all new construction and replacements.

605. Meters

Provision must be made in all piping for the installation of a meter in accordance with these rules and regulations.

606. Valves

All valves must be accessible and each underground valve shall meet the specifications of the APUB and shall have a standard valve box

similar to and interchangeable with the boxes used by the APUB.

607. Inter-Connection

(A) Connections between two services will be allowed by the APUB only when said services are 4 inches or larger, and only if check valves are installed on each service to prevent water flowing from one service into the other.

(B) No arrangements of piping whereby different pressure zones are connected will be allowed.

608. Relief Valves

Where a check valve or pressure reducing valve is installed on the piping between the main and a hot water tank, a pressure relief valve shall be installed on the hot water tank.

609. Suction Tanks and Air Chambers

If ordered by the APUB, services supplying pumps shall have suction tanks or other protective devices installed on the line. Likewise, the APUB may order air chambers or other protective devices to be installed to reduce water hammer caused by quick-closing devices installed by the consumer. It shall be the duty of the water consumer to maintain such protective devices in proper working order and to certify to the APUB at least once a year that the protective devices have been tested and are operating properly.

610. Steamer Connections

All services with steamer connections shall have a double check detector assembly installed in such a manner as to prevent backflow into the City main.

611. Unmetered Fire Lines

(A) APUB will not permit the installation of any new unmetered fire lines.

(B) All outlets on existing unmetered fire services not equipped with a detector check valve and bypass meter may be sealed by the APUB.

Any unauthorized use of water from a fire protection system may result in charges in accordance with Section 707.

(C) No person shall break any seal on any fixture to which water is supplied by the APUB through an unmetered service except in case of fire, make any tap or connection for withdrawing, nor take water from such unmetered service except in case of fire. A charge, in accordance with Sections 704, 705 and 707, may be made against the owner for each seal found broken except when used for fire fighting purposes or where there is written authorization from the APUB. The owner or Fire Department shall notify the APUB whenever an unmetered service is used for fire fighting purposes.

(D) When it is necessary to test the fire system, the owner or his representative shall notify the APUB at least one day in advance. Willful failure to provide this notice may result in a charge for unauthorized use of the fire protection system water in accordance with Section 707.

612. Enforcement

All interior piping shall be subject to the inspection of the APUB and the right is reserved to turn off an old service or to refuse to turn on a new service if it believes that any of the foregoing rules are being violated.

CHAPTER VII

METERS

701. Location and Installation

(A) All new services shall be metered. Services exclusively for fire protection will require a double check detector assembly, including a detector meter, which shall be purchased at the APUB (see Section A6) and installed by the owner.

(B) Standard residential domestic meters 1 inch and smaller shall be furnished and installed by the APUB at the expense of the APUB. Irrigation and hose connection meters 1 inch and smaller shall be furnished at the expense of the APUB and installed by the owner. Commercial, industrial, multi unit, and specialty type meters 4 inch and smaller shall be purchased at the APUB (see section A6) and installed by the owner. The APUB does not guarantee a specific quantity of flow. Meters are required to be installed in a curb meter pit or meter vault for any of the following conditions:

1. Where the houseline to the nearest building served is more than 200 feet in length.
2. Where it is impossible to install the meter in a building so as to control the entire supply.
3. Where there is no suitable interior location.

(C) A suitable interior location shall be one having all of the following features:

1. Easily accessible
2. Adequate headroom
3. Properly heated for meter protection
4. Adequate drainage must include a suitable floor drain or sump with a pump of adequate capacity located within five (5) feet of the meter.

(D) A meter may be set in a building without a basement provided a suitable interior location is available and requirements for houselines as outlined in Chapter VI are met.

(E) All curb meter settings for 5/8, 3/4 and 1 inch meters shall be installed by the APUB as agents of the owner at the expense of the owner. All other settings shall be installed by the owner to APUB specifications at owner's expense.

(F) A 1 inch or smaller meter, when not installed in a curb meter pit or meter vault, shall be located within one foot of the place where the houseline enters the building and not more than three feet above the floor and on the outside wall. In the event it is not possible to locate the meter on the outside wall, the houseline may be installed under the floor of the basement or slab in a conduit as required under Chapter VI, Section 601, to a suitable location as indicated above.

(G) Meters larger than 4 inch, all full flow MFM/MVR fire meters will be furnished, installed by, and at the expense of the owner and approved by the APUB.

(H) In manifold settings, meters shall be closely grouped and located as close to the place where the houseline enters the building as physically possible. The meters shall be installed and maintained in a conspicuous and easily accessible location approved by the APUB.

702. Types

Except as otherwise determined by the APUB, meters 5/8 to 1 inch in size, inclusive, shall be positive displacement meters, and all meters larger than 1 inch in size shall be of the type known as MVR, MFM/MVR, or as approved by the APUB.

703. Large Settings

(A) Inside Meters – All 1½ and 2 inch meter settings shall be constructed in accordance with the approved plan of the APUB entitled "Standard Meter Setting - 1½" and 2" **MVR** Meters,

Drawing No. Acc. F-7118", or as it may be revised. All meter settings larger than 2 inches shall be constructed in accordance with the approved plan of the APUB entitled "Standard Large Meter Installation, Drawing No. Acc. F-13380", or as it may be revised. Double check detector assemblies shall be installed in accordance with the approved plan of the APUB Drawing No. Acc. F-14964, or as may be revised.

(B) Outside Meters – When the meter setting does not meet the requirements of an interior installation, the meter setting shall be installed as directed by the APUB at the owner's total expense. All 1½ and 2 inch meter settings shall be constructed in accordance with the approved plan of the APUB entitled "Standard for 1½" and 2" Meter Pit Setting, Drawing No. Acc. F-17935", or as it may be revised. All meter settings larger than 2 inches shall be constructed in accordance with the approved plan of the APUB entitled "Standard Large Meter Installation, Drawing No. Acc. F-13380", or as it may be revised and shall be installed in a properly constructed precast concrete vault. This vault must be constructed in accordance with the approved plan of the APUB "Standard for Precast Meter Vaults, Drawing No. Acc. F-14963", or as it may be revised. The meter pit or vault shall be installed on the owner's property with the front edge at the street property line.

704. Bypass

Meter settings 1½ inch and larger shall include a bypass. The bypass valve shall be sealed shut, and if the seal is broken without permission or prior notice, the owner will be charged fifty dollars (\$50.00) for resealing. In case it is necessary for the consumer to break the bypass seal, he shall immediately notify the APUB prior to breaking the seal and obtain approval to proceed.

705. Sealing

(A) All meters are sealed upon installation by the APUB both at the coupling on the supply or inlet side of the meter and at the bonnet set screws. Such seals shall not be broken or disturbed in any manner.

(B) Any premises where such seals are found broken, or meters used for measuring water taken from mains of the APUB are damaged, tampered with, disconnected or removed, will be subject to a discontinuance of water supply until the costs of all damages as well as the costs of all water used, the estimated cost of all water not metered, together with a service charge of fifty dollars (\$50.00) are paid.

(C) The fifty dollar (\$50.00) charge may be waived if the APUB is notified in advance that the houseline, meter setting or inlet valve is to be replaced or repaired making it necessary to break the seal.

706. Stoppage

Notice of any stoppage or irregularity of operation of a meter shall be given immediately to the APUB.

707. Unauthorized Use from Detector Check Meters

Any premises found to be using water from a fire service with a detector check assembly for non-emergency fire purposes shall be subject to a charge equal to normal water usage charges for one month or a comparable operating period and a charge of one thousand dollars (\$1,000.00) for each occurrence.

708. Lost or Damaged

(A) The owner shall be responsible for the protection from damage or theft of any meter installed on said premises and shall be required to pay all damages to the APUB for loss or theft of the meter, or through damage of the meter caused by hot water, freezing or other damage due to neglect. The owner will provide necessary drainage facilities to eliminate water damage to the building, fixtures, furnishings or materials resulting from a burst meter.

(B) Meters which have burst due to freezing shall not be removed from the piping except by an authorized employee of the APUB. The charge for replacement or repair of meters lost, stolen or damaged by freezing or otherwise damaged due to neglect shall be as shown on page A-6.

The schedule of charges or the current price, whichever is higher, shall apply. Said charges will be billed as a miscellaneous charge on the regular bill. The charge of repairs of larger meters will be billed at the total cost of repairing plus charges shown on page A-1 through A-6 where applicable.

(C) If a meter is lost or stolen from an occupied dwelling, it shall be considered as a broken seal and the charges as set forth in Section 705 shall apply in addition to the above charges.

709. Maintenance and Testing

(A) All replacements and/or repairs of APUB domestic meters due to natural causes as determined by the APUB and not the neglect of the owner, will be made by the APUB without charge to owner. Repairs to 1 1/2" and larger meters not owned by the APUB will be charged to the owner on the basis of total cost plus charges shown on pages A-1 through A-6 where applicable.

(B) Meters in use will be tested upon the application of the owner, agent or party responsible for payment of bills upon the deposit of the appropriate testing charge as included in pages A-1 through A-6. Meters 1 inch and smaller, will be removed and tested at the shop. Meters, 1½ inch and larger, may be tested in place. The necessary pipe changes required for testing a meter in place will be made by the owner at owner's expense, under the supervision of the APUB. Meter tests requested by the owner, agent or party responsible for payment of bills must be made in the presence of the owner or a representative of the owner unless specifically waived.

(C) Upon testing, such positive displacement meters shall test within 2 percent plus or minus (that is, between 98 percent and 102 percent of the water actually passed) within the following limits of flow:

<u>Size of Meter</u>	<u>Rate of Flow</u>
5/8"	1 to 20 gpm
3/4"	2 to 30 gpm
1"	3 to 50 gpm
1½"	5 to 100 gpm
2"	8 to 160 gpm

(D) The flow limits of other sizes and types of meters shall be that specified by the manufacturer. When the average of three tests of the meter does not fall within the above limits of accuracy (98 percent to 102 percent), the deposit will be refunded and the account charged or credited for the amount of the error for a period of one year previous to the test or to the previous test if tested within one year.

(E) Any meter which fails to register within the accuracy requirements of the APUB shall be replaced or repaired. All meters will be tested by the APUB before installation and periodically thereafter. Meters will not be changed upon request of owner unless proven defective or inaccurate.

(F) When a meter has been "off but not out" for a period of six months or more, it shall be tested for accuracy before being placed into service again.

710. Deducting Meters

All deducting meters 4" and smaller shall be purchased at the APUB (see Section A6), installed and maintained by the owner and repaired at the owner's expense. Deducting meters shall not be permitted for use on residential lawn sprinkler systems.

711. Seasonal Use of Meters

If service to an account is seasonal in nature and the account is served by a separate water service (not a manifold meter setting), and the owner requests a termination of the service at the close of the season, a charge shall be made for removal and reinstallation of the meter. The charge shall be twenty dollars (\$20.00) per trip to the premises.

If the owner has a manifold meter for his lawn irrigation system, he may contact the Public Utilities Bureau and ask that the billing be stopped when the owner is done with seasonal usage. The Public Utilities Bureau will stop billing the account until it is notified by the owner or elevated usage is found on the meter. If the owner fails to notify the Public Utilities Bureau and water usage registers on the meter, the account will be activated and billed. The owner shall be held responsible for any water usage registered through the meter.

CHAPTER VIII

PRIVATE LINES

801. Application For

Upon request for a replacement private line, the APUB may prepare a private line agreement which will include releases from exemption of assessment for all property abutting the private line and a plan of the proposed line. When the private line agreement has been duly signed by all parties concerned and approved by the Manager, the applicant will be permitted to begin construction of the private line. New private lines or extensions of existing private lines are prohibited. Only replacements for existing private lines may be permitted.

802. Installation

All replacement private lines shall be installed by and at the sole expense of the applicants. Such expense shall include all cost of excavating of trench, laying of pipe and backfilling of trench, and providing for such service connections as the Manager shall direct, except that the APUB will make a connection to the existing main at its expense, consisting of corporation stop, curb stop and box and necessary pipe to the dedicated street or dedicated right-of-way line. If ductile iron pipe is used, the APUB may lay and join the pipe, charging the applicant the direct cost of this work plus overhead and inspection plus the charges shown on pages A-1 through A-6 where applicable.

803. Size and Material

Replacement private lines shall be no less than 1¼ inch in diameter and shall be of type "K" copper or, if so ordered by the Manager, shall be of ductile iron. Private lines 4 inches and larger shall be of ductile iron.

804. Inspection

All private lines shall be installed and maintained subject to the supervision and inspection of the APUB, and trenches shall not be backfilled until the line is inspected and approved.

Water will not be turned into a private line until work has been approved and all charges of the City have been paid.

805. Transfer of Service

When a public main is laid in front of property served by a private line smaller than the normal requirements for a water main in the street, all services shall be transferred to the new main and the private line abandoned. The line may be salvaged by the owner. All services which have been installed according to APUB requirements will be transferred from the private line to the public water main without charge. Services not so installed will be renewed by the APUB at standard service rates.

806. Repair and Maintenance

The APUB will make one free repair to any private line less than 4 inches in diameter. Private lines 4 inches and larger will be maintained by the APUB at its expense. Any repairs required to private lines less than 4 inches in diameter after the initial repair has been made is the responsibility of the property owners being served by the private line. The above applies to private lines within the City of Akron, and in areas served by the City of Akron on a retail basis under contract. Any repairs to private lines connected to the force mains or in areas where there is no contract with the appropriate governmental subdivision, are the responsibility of the owners served by the private line.

807. Ownership

Ownership in a private line smaller than 4 inches in diameter shall remain with the owners of the property served by the private line. The right to connect to the private line for service connections is retained by the APUB or the political subdivision responsible for operation. However, such service installations normally will not be made until written consent of the owner(s) has been received by the APUB or the political

subdivision responsible for operation. Ownership in private lines 4 inches and larger in diameter is with the City or the political subdivision which owns the adjacent distribution system. Services will only be installed by APUB and charged at the regular rates.

808. Replacement With a Public Main

No public main shall be installed in a private street. Replacement of private water lines with public mains in existing dedicated streets or after dedication of a street or dedication of a utility right-of-way that was private are to be financed by the owners under costs and conditions established for water main installation in Chapter IX.

CHAPTER IX

WATER MAINS

901. Installation

(A) Within the City, water mains in dedicated streets, dedicated utility right-of-ways or easements shall be laid in accordance with plans and profiles approved or prepared by the APUB. Such water main extensions shall be constructed using the methods outlined in 902(A) through (D). The APUB may permit private contractors to construct water mains within the City upon execution of a performance contract document as outlined in 902(C). All water mains shall be installed under the supervision and inspection of the APUB. All water mains constructed at the request of an owner/developer shall be constructed from the existing water main to the end of the owner/developer's property (one side for corner property) to be served. Developers may be reimbursed for oversizing due to the system needs beyond the developer's project. Upon approval of the Akron Public Utilities Bureau, reimbursement will be made for water mains greater than 12 inch and will be limited to the difference in material cost between a 12 inch water main and the main constructed. The cost for furnishing and installing casing pipe and the cost for furnishing and installing any item not specified in the standard water main extension contract shall be borne in its entirety by the applicant in addition to the costs outlined in the payment methods below.

(B) Outside the City, water main extensions for connection to the water system will be allowed in dedicated streets, dedicated utility rights-of-way or easements after approval by Akron City Council, other proper authorities and execution of necessary agreements. Cost of the construction shall be borne in its entirety, as outlined in 902(C), by the applicant or the political subdivision performing the work, with the exception that developers may be reimbursed for oversizing due to the system needs beyond the developer's project. Upon approval of the Akron Public Utilities Bureau, reimbursement will be made for water mains greater than 12 inch and will be limited to the difference in material cost between a 12 inch water main and the main constructed. The street opening permit shall be obtained by the

applicant from the appropriate political subdivision. The water main extensions are to be made in accordance with the specifications of the APUB, plans approved by the APUB, and shall be subject to inspection by the APUB.

(C) For retail customers, the APUB will pressure test, bacteria test and inspect all water mains before acceptance and turning on for use will be permitted. For wholesale customers, the APUB will witness the pressure test or may perform the test and bill the wholesale customer for the test. The wholesale customer shall certify to the APUB that the bacteria test has been satisfactorily completed.

902. Water Main Extension Payment Methods

(A) ENTIRE COST BY APPLICANT. Abutting property owner(s) or developer(s) pay the entire project cost, including but not limited to design, construction, inspection, and administration costs of the water main in advance of start of construction where the construction is performed through the APUB at the request of the abutting property owner(s) or developer(s).

(B) ASSESSMENT. Water mains will be assessed under the terms and conditions of the applicable ordinance(s). Assessment method will not be used for new allotments.

(C) PERFORMANCE CONTRACT. The developer/owner (applicant) installs the water main either by contract or by direct labor and by the purchase of the necessary supplies, in accordance with plans and profiles approved by the APUB, subject to the following terms and conditions:

1. The applicant shall provide a bond or an irrevocable letter of credit or deposit an amount of money equal to 100 percent of the APUB'S estimated total construction cost including engineering, inspection, testing and any adjustments of water

main appurtenances which may be necessary after initial installation.

2. The applicant and his contractor shall provide public liability, property damage and automobile insurance in the kinds and amounts as required in the contract document and maintain said insurance during the life of the performance contract.
3. The contract shall be approved and executed by the City prior to the start of construction. The applicant or his contractor will be required to obtain all necessary permits and submit material specifications to the Utilities Engineer prior to purchasing material.
4. Within the time stated in the contract the applicant shall complete, or cause to be completed, the following work:
 - (a) Construct the water mains, valves, hydrants and other appurtenances in accordance with plans and profiles approved by the APUB, excluding water services 2 inches in diameter or smaller. A portion of the bond or irrevocable letter of credit will be allocated for the aforementioned construction. A portion of the bond or irrevocable letter of credit will also be allocated for engineering, inspection and testing for the aforementioned construction.
 - (b) Adjust all valve boxes, curb boxes, meter pits, meter vaults and hydrants to meet finished grade of paving, sidewalks and/or landscaping and adjust all hydrants so that the steamer nozzle is pointed toward the street. A portion of the bond or

irrevocable letter of credit will be allocated for this portion of the work.

5. Connections to existing City water mains will be made by either the applicant or the APUB, as determined by the APUB and in the manner specified by the APUB.
6. Any portion of the construction not meeting specifications or failing the pressure test or bacteria test conducted by the APUB will be replaced or corrected by the applicant.
7. Before the portion of the bond or irrevocable letter of credit allocated for 4(a) will be released, the applicant shall:
 - (a) Furnish a 10 percent maintenance bond or irrevocable letter of credit (10 percent of the above mentioned allocation for construction of the water mains) to serve as a guarantee for a period of three (3) years from the completion of a successful bacteria test for the repairs of any defects in the construction of the water mains and appurtenances.
 - (b) Pay the APUB the required amount of money for engineering, inspection and testing and the required amount of money for costs incurred by the APUB for making any tap to existing water mains.
 - (c) Pay the APUB the required amount of money for all water services.
8. Before the portion of the bond or irrevocable letter of credit allocated for 4(b) will be released, the APUB

shall have accepted the adjustments covered in 4(b).

9. The applicant and/or his contractor shall abide by all City, State and Federal laws, rules and regulations applicable to the work to be performed under said performance contract.

(D) FINANCED BY THE APUB. Water mains will be constructed by the APUB where such mains are necessary for the reinforcement of the water distribution system. The front foot charge shown in the uniform assessment ordinance shall be paid in addition to the cost of the service connection for a new customer connecting to these water mains. The front foot charge for existing customers served by a private line that is replaced by a City-financed water main may be waived.

(E) PAYMENT METHOD NOTES

1. In areas where the property involved is not subdivided, a minimum front foot charge for 100 feet will be collected unless the actual frontage on the main is less than 100 feet. If the customer desiring the connection is using more than 100 feet of frontage for residential or commercial purposes, the actual length used will be used in determining the amount of the front foot charge.
2. If the applicant requires a 6 inch or larger connection and the water main must be increased in size in order to provide this connection, the applicant shall bear the total cost associated with replacing the existing main as required.
3. Water mains extended under the above methods will only be constructed in dedicated public streets, dedicated utility rights-of-way or recorded easements. Water service will only be permitted from water mains in

dedicated public streets or dedicated utility rights-of-way.

903. Repairs

Repairs to all public water mains in public streets, dedicated utility rights-of-way and easements within the City and in areas receiving service under a contract for retail water service outside the City will be made by and at the expense of the APUB. Repairs to water mains in public streets, dedicated utility rights-of-way and easements outside the City in areas under a wholesale contract for water service will be made by and at the expense of the owner or applicable political subdivision, except where the APUB is required by contract to perform the repairs at the expense of the APUB.

904. Valve Operation and Tapping

No person other than an employee of the APUB or person authorized by the Manager shall operate any valve in the water mains, or make taps or other connections on any main of the Akron water system inside or outside the City, except in wholesale areas.

905. Connections

Connecting of water mains to the Akron system will be made by the APUB or person authorized by the Manager, at the expense of the applicant. Water will be supplied to these mains in accordance with action of the Akron City Council and the rules and regulations of the APUB.

906. Fire Hydrants - Installation and Use

(A) Public and private fire hydrants installed on mains served by the APUB shall meet its requirements and shall have Akron thread as specified on Public Utilities Bureau Drawing Nos. Acc. F-3258 (2½ inch nozzle) and Acc. F-3440 (4 inch nozzle). Permission for communities to install other than Akron threads shall be authorized by the Service Director. Hydrant branches from mains 6 inches or larger in diameter shall be at least 6 inches in diameter. Each branch shall have a full size gate valve with valve box to

permit repair of hydrant without shutting off the main.

(B) Public fire hydrants will be installed in dedicated streets and dedicated utility rights-of-way as development progresses and as fire protection is required.

(C) All public fire hydrants within the City of Akron shall be maintained and repaired by the Akron Fire Department and the APUB. Public fire hydrants outside of the City of Akron shall be maintained and repaired by and at the expense of the political subdivision involved. The local Fire Department shall be notified after completion of repairs and shall inspect and test the hydrant to assure proper operation.

(D) Anyone damaging a fire hydrant shall be charged the total cost of the repair.

(E) If a property owner requests that a fire hydrant be relocated, and if said relocation is for the benefit or convenience of the owner, then the owner will be required to pay 50 percent of the actual cost of moving the hydrant. Relocations of fire hydrants will be made by the APUB upon prepayment of 50 percent of the estimated cost of the work, providing a mutually satisfactory location can be determined. When the work is completed, the consumer will be charged or refunded the difference between 50 percent of the estimated and 50 percent of the actual cost of the work, as the case may be.

(F) All public hydrants within the City shall be under the joint supervision of the APUB and the Akron Fire Department. Public hydrants outside the City shall be under the joint supervision of the APUB and the political subdivision in which they are located only if provided by contract and where retail service is provided. Adequacy of operation and inspection of hydrants is the sole responsibility of the Akron Fire Department for those hydrants in Akron or the Fire Department of the applicable political subdivision. Bulk or wholesale service to contracted or noncontracted political subdivisions does not include supervision by or responsibility of City for fire hydrants.

(G) No person shall operate a fire hydrant maintained by the City without having first secured a permit from the APUB and such operation will be in accordance with the following rules:

1. No person shall operate a public fire hydrant with, or use thereon, any wrench or tool other than a regulation Fire Department spanner wrench.
2. The use of a hydrant or a service to fill a cistern will not be permitted where the cistern is located on property with frontage on a street in which there is a water main.
3. In taking water from a fire hydrant, leakage either from the hydrant, connecting hose or truck will not be tolerated. All damage caused by such leakage must be borne by the holder of the permit.
4. No person shall draw water from a fire hydrant without the use of a tapped nozzle cap fitted with a control valve, commonly termed a "Contractor's Connection". The use of the main hydrant valve to control the flow of water from the hydrant will not be allowed.
5. Whenever a temporary meter is set on a "Contractor's Connection", the permit holder shall be held responsible to properly protect the meter, meter connection and fire hydrant from all damages.

CHAPTER X

POLLUTION OF WATER SUPPLY

1001. Discharge of Sewage

It shall be unlawful for any person or persons, firm or corporation to establish an outlet for the discharge of sewage or industrial wastes directly or indirectly into the Cuyahoga River or any water course tributary thereto within a distance of twenty miles from the corporation line of the City of Akron whereby such sewage or industrial wastes may reach said river above the water supply intake of said City until such person or persons, firm or corporation has obtained the approval by the Director of Public Service of said City, or the proposed outlet and of such treatment works as may be necessary to prevent the pollution of the public water supply of said City.

1002. Disposing of Human or Animal Matter

It shall be unlawful for any person or persons, firm or corporation to place or deposit or cause or permit to be placed or deposited in the Cuyahoga River, or any water course tributary thereto, or on or under the surface of the ground at any point from which contamination may reach the Cuyahoga River or any water course tributary thereto within a distance of twenty miles from the corporation line of the City of Akron and upstream from the water supply intake of said City, any human or animal excreta, offal, dead animal, garbage or refuse, or offensive putrid or polluting material of any kind.

1003. Maintaining Privies, Etc.

It shall be unlawful for any person, firm or corporation to establish or maintain a privy within twenty miles of the corporation line of the City of Akron and upstream from the water supply intake of said City unless such privy is provided with a vault so constructed and maintained as to prevent the material deposited therein from overflowing onto the surface of the ground. The owner, tenant or lessee of property on which such a vault is located shall have it cleaned at such frequent intervals as to avoid overflow and shall cause the material removed to be buried at a point not less

than five hundred (500) feet from said river or any water course tributary thereto.

1004. Use of Toilets by Steam and Electric Railroad Companies

It shall be unlawful for any steam, electric or other railroad company or the employees thereof to permit the use of toilets and lavatories on cars or to flush out or wash cattle cars whereby the sewage of human or animal excrement may be discharged into the Cuyahoga River or any water course tributary thereto or onto the surface of the ground at any point from which contamination may reach said river or any water course tributary thereto within twenty miles of the corporation line of the City of Akron and upstream from the water supply intake of said City.

1005. Duties of the Director of Public Service

The Director of Public Service shall enforce the provisions of this subdivision and is hereby authorized to establish and enforce suitable regulations and to provide for the regular patrol of the area affected thereby; such regulations shall include the prohibition of camping, hunting, bathing, boating or fishing on Lake Rockwell and the water works property adjacent thereto.

1006. Penalty

Whoever violates any of the foregoing provisions of this subdivision shall, upon conviction thereof, be fined not less than five dollars (\$5.00) nor more than five hundred dollars (\$500.00) for each offense and a separate offense shall be deemed to have been committed for each period of twenty-four hours such a violation shall continue after such conviction.

CHAPTER XI

CONDOMINIUMS

1101. General

The APUB Rules and Regulations shall apply to condominiums the same as such rules apply to other users, except, that any rule set forth in this chapter hereafter, or any reasonable variation of any rule as expressly provided by the Director of Public Service, shall govern and supersede such APUB Rules and Regulations to the extent that such rules or variations are applicable.

1102. Services

Condominium units may be served by either a separate service for each unit, by a combined service with individual meters installed according to section 604, 701(H), and Standard F-13423, or by a master meter as discussed in Section 1104.

1103. Contracts

A contract shall be entered into between all of the condominium unit owners, the Homeowners Association and the City of Akron, permitting the City of Akron to serve individual units either by a separate service for each unit or by a combined service.

1104. Meters

Meters 1" and smaller shall be furnished and installed by the APUB at the expense of the APUB for each unit when separately serviced. On manifold settings, meters shall be purchased at the APUB (see section A6) and installed by owner, or at the option of the developer or condominium association, a master meter(s) serving more than one unit may be installed at the owner's expense. Appurtenances in connection with such meters shall either be installed by the APUB or by the owner under the direction, inspection and control of the APUB. The cost of inspecting owner installations of appurtenances in connection with such meters shall be paid by owner.

1105. Billing

Billing for water service where there is a master meter will be to the condominium association. Bills will be calculated by dividing the consumption by the number of units, calculating the bill for this consumption, multiplying by the number of units and adding a billing charge and a meter charge, if applicable. Billing for water service where units are metered separately will be billed separately.

1106. Maintenance, Repairs, and Replacement

Any person having any kind of ownership or equity in the condominium property or unit shall be responsible for maintenance, repairs and replacement of water lines and appurtenances not maintained by City and if repairs are not made to such lines or appurtenances after reasonable notice that City may shut off as many units and lines as may be necessary to effect such repair. Any and all costs incurred by City shall be collected either prior to restoration of water service or upon such terms as the Manager of the Public Utilities Bureau may direct. City has the right to shut off service to such units as is necessary to enforce payment of delinquent bills and to enter upon condominium property or units as necessary to enforce any rule.

CHAPTER XII

BACKFLOW/CROSS CONNECTION CONTROL

1201. Backflow/Cross Connections Prohibited

(A) No water service connection shall be installed or maintained to any premises where actual or potential cross connections to the public potable or consumer's water system may exist, unless such actual or potential cross connections are abated or controlled to the satisfaction of the Public Utilities Bureau Manager or the Director of Public Service.

(B) The Public Utilities Bureau Manager may order the installation of an approved backflow prevention assembly or method at the water service connection(s) to control backflow from the premises. "Approved" or "approval" shall mean the approval of the Public Utilities Bureau Manager and the Director of the Ohio Environmental Protection Agency.

(C) The owner/consumer shall install the designated assembly or method at his own expense. Failure, refusal or inability to install said assembly or method shall constitute a justification for discontinuing water service to the premises until such assembly or method has been installed and approved.

(D) The use of the approved backflow preventer at the water service connection does not in any way affect or eliminate the need for individual fixture devices or air-gaps as required by the Ohio Plumbing Code.

1202. Survey and Inspection

(A) The consumer's premises shall be open at all reasonable times to the Public Utilities Bureau for the conduction of surveys and investigations of water use practices within the consumer's premises to determine whether there are actual or potential cross connections to the consumer's water system through which contaminants or pollutants could backflow into the public potable water system. Such investigations are authorized by Section 3745-95-03 of the Ohio Administrative Code.

(B) On request by the Public Utilities Bureau, the consumer shall furnish information on water use practices within the consumer's premises.

(C) It shall be the responsibility of the owner/consumer to conduct periodic surveys of water use practices on the consumer's premises to determine whether there are actual or potential cross connections to the water system. The owner/consumer shall be responsible for immediately notifying the Public Utilities Bureau when actual or potential cross connections are discovered. The owner of the premises is solely responsible for insuring that the plumbing inside the building is in compliance with the Ohio Plumbing Code.

1203. Where Protection is Required

(A) An approved backflow prevention assembly shall be installed on each service line to a consumer's water system serving premises where any of the following conditions exist or are proposed:

1. An auxiliary water supply (domestic or fire).
2. An actual or potential hazard to the public potable water system.
3. Internal cross connections.
4. Intricate plumbing arrangements, which make it impractical to determine whether or not cross connections exist.
5. Repeated history of cross connections.
6. Any reason it is not possible to make a complete inspection.
7. Others specified by the Public Utilities Bureau Manager or the Director of the Ohio Environmental Protection Agency.

(B) No connection shall be installed or maintained whereby an auxiliary water supply may enter the public potable or consumer's water system unless said auxiliary water supply and the method of connection and use of said supply shall have been approved by the Public Utilities Bureau Manager and by the Director of the Ohio Environmental Protection Agency as required by Section 6109.13 of the Ohio Revised Code.

1204. Type of Protection Required

(A) The type of protection required shall depend on the degree of hazard. The minimum requirements are as follows:

1. An approved air-gap separation shall be installed in special cases where there could be a severe health hazard. Such determination shall be made by the Public Utilities Bureau Manager. "Severe health hazard" is defined as any health hazard that could reasonably be expected to result in significant morbidity or death.
2. An approved reduced pressure principle backflow prevention assembly shall be installed where a public water system may become contaminated. "Contamination" is defined as the impairment of the quality of the water which could create a hazard to the public health through poisoning or through the spread of disease.
3. An approved double check valve assembly shall be installed where a public water system may be polluted. "Pollution", when used in this chapter, is defined as the presence in water of any foreign substance that tends to degrade its usefulness or quality to a degree which does not create a hazard to the public health but which does adversely and unreasonably affect such waters for domestic use.

1205. Backflow Protection on Fire Suppression Systems

(A) An approved reduced pressure principle detector assembly shall be used on the following types of fire suppression systems:

1. All foam-water fire suppression systems.
2. Systems with an auxiliary water supply.
3. Systems with chemical additives.

(B) An approved double detector check assembly shall be used on all other types of fire suppression systems not mentioned above.

1206. Backflow Prevention Assemblies

Any backflow prevention assembly installed shall be of an approved make and model, as defined in Section 1201. Existing backflow prevention assemblies approved by the Public Utilities Bureau Manager or the Ohio Environmental Protection Agency at the time of installation and properly maintained shall be considered approved, providing the Public Utilities Bureau Manager is assured that they will satisfactorily protect the public potable water system.

1207. Installation

(A) Backflow prevention assemblies shall be installed at an approved location and in an approved manner in accordance with Drawing Nos. Acc. F-13859 and Acc. F-13860, or as they may be revised. Where the manufacturer's specifications for installation conflict with Public Utilities Bureau standards, Public Utilities Bureau standards shall prevail.

(B) Backflow prevention assemblies installed on the service line to a consumer's water system shall be located on the consumer's side of the water meter, as close to the meter as is reasonably practical and prior to any other connection.

1208. Inspection and Maintenance

(A) It shall be the duty of the owner/consumer at any premises on which backflow prevention assemblies are installed to have inspection, tests and overhaul made in accordance with the following schedule, or more often:

1. Air-gap separation shall be inspected at time of installation and at least every twelve months thereafter.
2. Reduced pressure principle backflow prevention assemblies shall be inspected and tested at the time of installation and at least every twelve months thereafter. They shall be dismantled, inspected internally, cleaned and repaired whenever needed.
3. Double check valve assemblies shall be inspected and tested at the time of installation and at least every twelve months thereafter. They shall be dismantled, inspected internally, cleaned and repaired whenever needed.

(B) Inspections, tests and overhaul of backflow prevention assemblies shall be made at the expense of the water consumer and shall be performed by a person approved by the Public Utilities Bureau Manager and certified as qualified to inspect, test and overhaul backflow prevention assemblies. Whenever an air gap or backflow prevention assembly required by these regulations are found to be defective, they shall be repaired or replaced at the expense of the consumer without delay.

(C) The water consumer must maintain a complete record of each backflow prevention assembly from purchase to retirement. This shall include a comprehensive listing of all tests, inspections and repairs. Records of inspections, tests, repairs and overhaul shall be submitted to the Public Utilities Bureau at least yearly.

(D) Backflow prevention assemblies shall not be bypassed, made inoperative, removed or otherwise made ineffective without specific written authorization by the Public Utilities Bureau Manager.

1209. Booster Pumps

Where a domestic or fire booster pump has been installed on the service line to or within any premises, said pump shall be equipped with a low pressure cut-off device to shut off the booster pump when the pressure in the service line on the suction side of the pump drops to ten (10) pounds per square inch gauge or less. The low pressure cut-off device must be installed, tested and maintained in a manner acceptable to the Public Utilities Bureau Manager.

1210. Violations

(A) The Public Utilities Bureau shall deny or discontinue the water service to any premises where there has been any violation of the backflow/cross connection control rules outlined in this chapter. Said discontinuance of supply is authorized by Section 3745-95-08 of the Ohio Administrative Code. Such action shall be taken after reasonable notice to the consumer except where an imminent health risk or emergency necessitates immediate action by the Public Utilities Bureau.

(B) Water service to said premises shall not be restored until the consumer has complied with these regulations to the satisfaction of the Public Utilities Bureau Manager or the Director of Public Service.

**BUREAU OF PUBLIC UTILITIES
AKRON, OHIO WATER RATES
QUARTERLY RATE PER 100 CUBIC FEET
WATER RATES WITHIN CORPORATE LIMITS APPLIED TO QUARTERLY BILLING**

		Effective May 1, 2010	Effective May 1, 2011	Effective May 1, 2012
Block 1	0 - 9,000 cu.ft.	\$2.34	\$2.53	\$2.73
Block 2	9,001 - 1,500,000 cu.ft.	2.10	2.27	2.45
Block 3	1,500,001 - and over cu.ft.	1.11	1.19	1.29
Billing Charge	PER QUARTER	9.66	10.43	11.26

QUARTERLY RATES FOR FIRE SERVICE

Rates for Fire Protection Services are based on the size of the service connection or meter as follows:

Size of Line	Effective May 1, 2010		Effective May 1, 2011		Effective May 1, 2012	
	Service Metered*	Service Unmetered	Service Metered*	Service Unmetered	Service Metered*	Service Unmetered
	<u>Rate</u>	<u>Rate</u>	<u>Rate</u>	<u>Rate</u>	<u>Rate</u>	<u>Rate</u>
1"	\$ 18.49	\$ 55.32	\$ 19.97	\$ 59.74	\$ 21.57	\$ 64.52
2"	37.01	110.69	39.97	119.55	43.17	129.11
3"	46.18	147.58	49.87	159.39	53.86	172.14
4"	64.58	209.05	69.75	225.77	73.33	243.83
6"	92.39	307.59	99.78	332.19	107.76	358.77
8"	147.58	492.17	159.39	531.54	172.14	574.07
10"	239.89	781.07	259.39	843.56	279.81	911.05
12"	387.48	1,285.41	418.47	1,388.24	451.95	1,499.30

* Includes installations with full flow and detector check assemblies.

Consolidated Billing - Each meter shall be considered a separate billing unit in applying these rates, except that one consumer, supplied from the normal pressure district with several meters serving one enterprise on contiguous properties, may add together the registration in excess of 80,000 cubic feet quarterly on each meter to determine the quantities subject to the lower net rates.

Combined Billing - The registration of water on two or more meters shall be combined and billed to each owner as though registered on one meter, only in the case of schools, hospitals, and others formerly classified as "free water accounts".

RATES will apply on current bills only, provided the bill be paid on or before the due date. After the due date, a 10 percent penalty will be applied to the unpaid current balance. The rates outlined above shall apply to all accounts whether retail or wholesale in the manner outlined above unless an agreement specifically provides otherwise.

Retail Rates Applicable Outside Corporate Limits of Akron - Determined by contract or a continuation of a contract.

Wholesale Rates Applicable Outside Corporate Limits of Akron - Determined by contract, authorized by Akron City Council, or a continuation of a contract.

Request for Billing History - A printed history of an account for one year will be provided upon written request of the owner. The charge for this work will be based upon the time required to perform the necessary research and typing times an hourly rate of fifteen dollars (\$15.00). In the event the account is in dispute and in the normal course of research to resolve the dispute such a record is prepared for the use of the APUB, it may be furnished without charge upon request with the approval of the Manager.

FIRE HYDRANT STANDBY CHARGE APPLICABLE TO RETAIL
USER AREAS OUTSIDE CORPORATE LIMITS OF AKRON.
COUNCIL ORDINANCE NO. 952-1966 AND NO. 18-1967.

AMOUNT

Quarterly charge per fire hydrant	\$12.50
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MOGADORE RAW WATER SUPPLY

RATE SCHEDULE

At the request of any industry so situated as to be able to use the water discharged at the Mogadore Dam, from the Mogadore Reservoir into the bed of the Little Cuyahoga River, the City will furnish such water at the following rates, based on the cumulative calendar year withdrawal as measured by the meters at the Mogadore Dam Gate House:

	<u>Annual Withdrawal</u>	<u>Rate Per 1,000 Gal. Amount</u>
First	500,000,000 Gal.	\$ 0.10
Next	250,000,000 Gal.	0.17
Next	250,000,000 Gal.	0.21
Over	1,000,000,000 Gal.	0.25

Bills will be rendered quarterly in District D. Consumers entering or re-entering this schedule will secure the rate fixed by the cumulative flow at the time of entry or re-entry.

RULES AND REGULATIONS - The furnishing of raw water from the Mogadore Reservoir shall be subject to the Rules and Regulations of the APUB, and to the following special rules and regulations:

1. The total rate of flow discharges from the Reservoir through the metered outlets shall not exceed 20 MGD.

2. The City reserves the right to limit the total withdrawal to 1,000,000,000 gallons in one calendar year. Withdrawal beyond this amount may be considered if the City deems it to be for its best interest to do so.
3. The City reserves the right to adjust the total flow requested and to schedule its use among the various users throughout the year as it may deem it to be for the best interest of the City to do so.
4. The consumer shall hold the City of Akron harmless from all claims of damage due to excessive or deficient flows arising from the discharge of water through the metered outlet of the Mogadore Reservoir.
5. Each consumer shall notify the Manager in writing the name of its agent or agents authorized to order the discharge of water to the consumer's account. The valves at the gate house will be operated for the consumer upon the request of these authorized agents only.
6. Valves at the gate house will be operated by the Manager or his authorized agent only. Except in emergencies, valves will not be operated on Sundays or holidays, and on weekdays between the hours of 4:00 p.m. and 8:00 a.m.

**CITY OF AKRON, OHIO
DEPARTMENT OF PUBLIC SERVICE
PUBLIC UTILITIES BUREAU**

**SCHEDULE OF CHARGES FOR 1 INCH WATER SERVICE CONNECTIONS*
AND CURB METER SETTINGS EFFECTIVE JANUARY 1, 2010**

	<u>Cost</u>
1" service in allotment	\$1,000.00
1" standard service	\$1,800.00

CHARGE FOR CURB METER SETTINGS

	<u>Cost</u>
1" Curb Meter Settings	\$750.00
1" Curb Meter Settings after Original Installation of Service	\$1,250.00
Removal of Existing Curb Meter Setting	\$1,100.00
Disconnect Service – 1" & Smaller	\$700.00

**SCHEDULE OF CHARGES FOR WATER SERVICE CONNECTIONS LARGER THAN 1 INCH*
EFFECTIVE JANUARY 1, 2010**

(Costs apply to taps on water mains 16 inch and smaller)

<u>SIZE</u>	<u>COST</u>
1½"	\$ 2,300.00
2"	3,800.00
4"	9,000.00 – existing City service (main to property line)
6"	10,000.00 – existing City service
8"	11,000.00 – existing City service
4"	3,600.00 – tap & valve only
6"	3,900.00 – tap & valve only
8"	4,400.00 – tap & valve only
10"	5,000.00 – tap & valve only
12"	5,500.00 – tap & valve only

* Charges are subject to revision on a periodic basis.

Work Outside of Akron

For work outside corporate limits of the City of Akron add 15 percent to the above prices, except in Joint Economic Development District areas and township service areas.

Other Charges

Connection to Force Main

1" service and 1" curb meter setting	Total Cost
--------------------------------------	------------

If special shutdown be required, the consumer will pay for water lost at standard meter schedule. Minimum charge is thirty dollars (\$30.00). If connection can be delayed until main is shut down for some other cause, there will be no charge for lost water. A charge of the total cost will be made for operating valves for shutting down the force main. When the property served is located outside the City of Akron, 15 percent will be added to the above charges. When the service is from lines connected to the force main, the usual service charges will apply.

Disconnecting Old Service

Turning off old service at the main in connection with installation of new or replacement water service where the new or replacement houseline is not at the same location as an existing service.

Disconnect Service (1" and smaller)	\$700.00
--	----------

1½" and larger taps shall be disconnected by the owner at owner's total expense, under APUB inspection.

Transfer of Services from Private Line to Main

Standard services for which full payment was made to the APUB, may be transferred to the main without cost to the property owner. Additional service material, stops and couplings also may be furnished.

Substandard services shall be renewed at regular renewal rates.

Standard service, installed by plumbers, for which the APUB has received only a nominal tapping charge, will be transferred as, and charged in accordance with, scheduled rates for renewal services.

Right-of-Way on East Market Street and Canton Road

The APUB will install service to the street line. Curb meter will be installed between the curb and street line. Property owner will install houseline across right-of-way and obtain permit from the Akron Transportation Company or successors.

Charges for Deducting Meters

Customers who install or have installed deducting meters for manufacturing processes that do not return the water to the sewer system, will be charged \$9.00/qtr. to offset the extra time spent on meter reading and bill preparation.

Temporary Connections

Metered Use

Use of one week or less (one hydrant)	\$ 35.00
Use over one week, less than six months (one hydrant)	75.00
Use over six months, renewable each year (one hydrant)	110.00

The current water rate per hcf for usage estimated as follows:

Construction	1.4 hcf per day
Demolition	10 hcf per day
Hydroseeding	20 hcf per day
Tanker Use	250 hcf per day

We reserve the right to remove any hydrant meter that does not register consumption for 30 days and assess a \$100.00 hydrant meter removal charge.

Water to be resold - Akron rates plus 60 percent.

A deposit will be required depending on size of meter and connection as follows:

3/4" meter	\$75.00
1½" meter	\$100.00
3" meter	\$150.00

Deposit will not be required if the person requesting the hydrant meter is an owner of an active water account with the APUB, with no arrears balance, and if the owner signs the deposit waiver form. If the meter is damaged or lost, or other damages occur, the repair or replacement charge will be billed to the owner. If the bill remains unpaid for thirty (30) days, the amount due will be added to the owner's water bill as a miscellaneous charge.

If the meter box is not returned or is returned in a damaged condition, a charge of one hundred dollars (\$100.00) shall be made.

Unmetered Use

Residential construction, per structure	\$100.00
Commercial construction, per structure	\$500.00

Deposit to cover cost of equipment required where attendants are not necessary shall be determined by the Manager.

TAGGING AND TURNING-OFF WATER

Due to conditions listed in Paragraph 112:

<u>Reason for Failure to Pay Bill</u>	<u>Shutoff Notice</u>	<u>Turnoff Fee</u>
Bill non-payment	\$0*	\$40
All other reasons, including broken promise-to-pay, non-payment of bankruptcy deposit, NSF check and no backflow inspection	\$15**	\$25

* Will receive notification by mail.

** City personnel to deliver shut-off notice.

WATER METER PRICE SCHEDULE

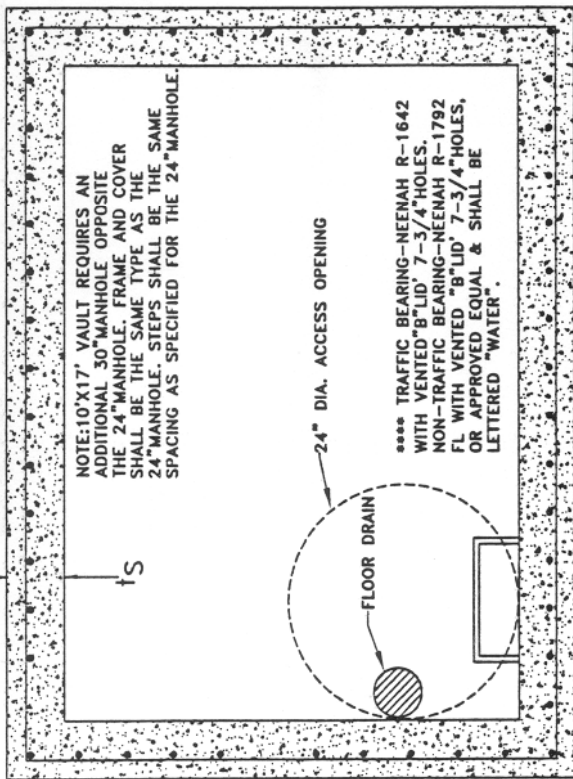
(The below charges or the current purchase price, whichever is higher, shall apply)

<u>Size</u>	<u>Cost</u>
5/8" meter	\$320.00
3/4" meter	\$340.00
1" meter	\$400.00
1.5" meter	\$630.00
2" meter	\$760.00
3" meter	\$1,100.00
4" meter	\$1,600.00
*4" – 8" Combination meters MFM/MVR	\$245.00

*ERT with installation only.

Damage to meter, register or ERT by freezing, hot water, other neglectful practices – owner to pay total cost of material including labor fee.

Repair of meters - 1½” and larger	Total Cost
Request for special testing of meter by owner (5/8” to 1”)	\$20.00
Request for special testing of meter by owner (larger than 1”)	Total Cost



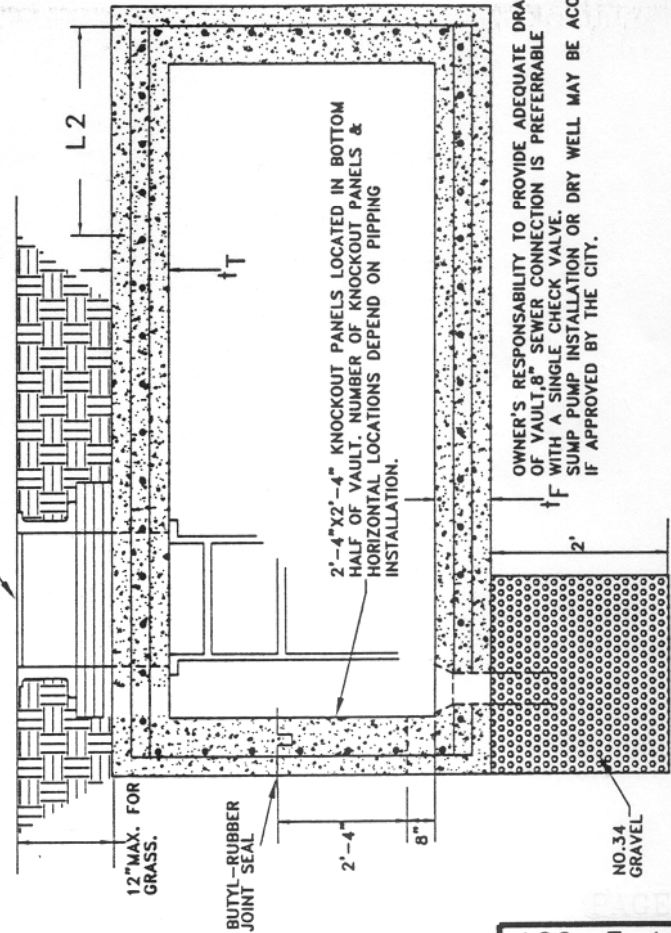
CONCRETE THICKNESS & MIN. STEEL REQUIREMENTS						
STD. SIZE VULT SIZE	TOP SLAB			SIDEWALL		FLOOR
	T	STEEL	L1 L2	ts	STEEL	tf STEEL
11/2" x 2"	8"	#508"E.W.-B #508"-T+	12" 16"	6"	#508"E.W.	6" #508"E.W.-T #508"-B+
4"x6"	8"	#505"E.W.-B #508"-T+	16" 26"	6"	#508"E.W.	6" #508"E.W.-T #508"-B+
6"x10"	8"	#505"E.W.-B #508"-T+	19" 31"	6"	#508"E.W.	6" #508"E.W.-T #508"-B+
6"x12"	8"	#504"E.W.-B #508"-T+	24" 38"	6"	#508"E.W.	6" #508"E.W.-T #508"-B+
8"-4"-15"	8"	#503"E.W.-B #508"-T+	26" 43"	6"	#508"E.W.	6" #508"E.W.-T #508"-B+
SPECIAL 10'x17"	8"	#508"-T+				

CONCRETE STRENGTHS
 * INSIDE DIMENSION
 ** B-BOTTOM SLAB T-TOP SLAB
 +STEEL IS EXTENDED FROM WALLS
 & L2 FOR FLOOR SAME AS FOR TOP SLAB
 COVER ON ALL REBAR SHALL BE 1 1/4"

STEEL YIELD STRENGTH-60,000 PSI
 VAULT DESIGNED FOR AASHTO HS20 LIVE LOAD.

L1

MANHOLE COVER AND FRAME TO BE TRAFFIC BEARING OR NON-TRAFFIC BEARING, DEPENDING ON INSTALLATION CONDITIONS.***
 TYPE OF COVER & FRAME SHALL BE:****



OWNER'S RESPONSIBILITY TO PROVIDE ADEQUATE DRAINAGE OF VAULT. 8" SEWER CONNECTION IS PREFERRED OF VAULT. 8" WITH A SINGLE CHECK VALVE. SUMP PUMP INSTALLATION OR DRY WELL MAY BE ACCEPTABLE IF APPROVED BY THE CITY.

***SHOULD INSTALLATION CONDITIONS CHANGE FROM NON-TRAFFIC BEARING TO TRAFFIC BEARING, OWNER SHALL BE RESPONSIBLE FOR CHANGING FRAME & COVER TO TRAFFIC BEARING TYPE AND SHALL ASSUME ALL LIABILITY FOR FAILURE TO DO SO.

APPROVED *Terry J. P.E.* 5-8-99
 UTILITIES ENGINEER
 DATE

ACC. F-14963

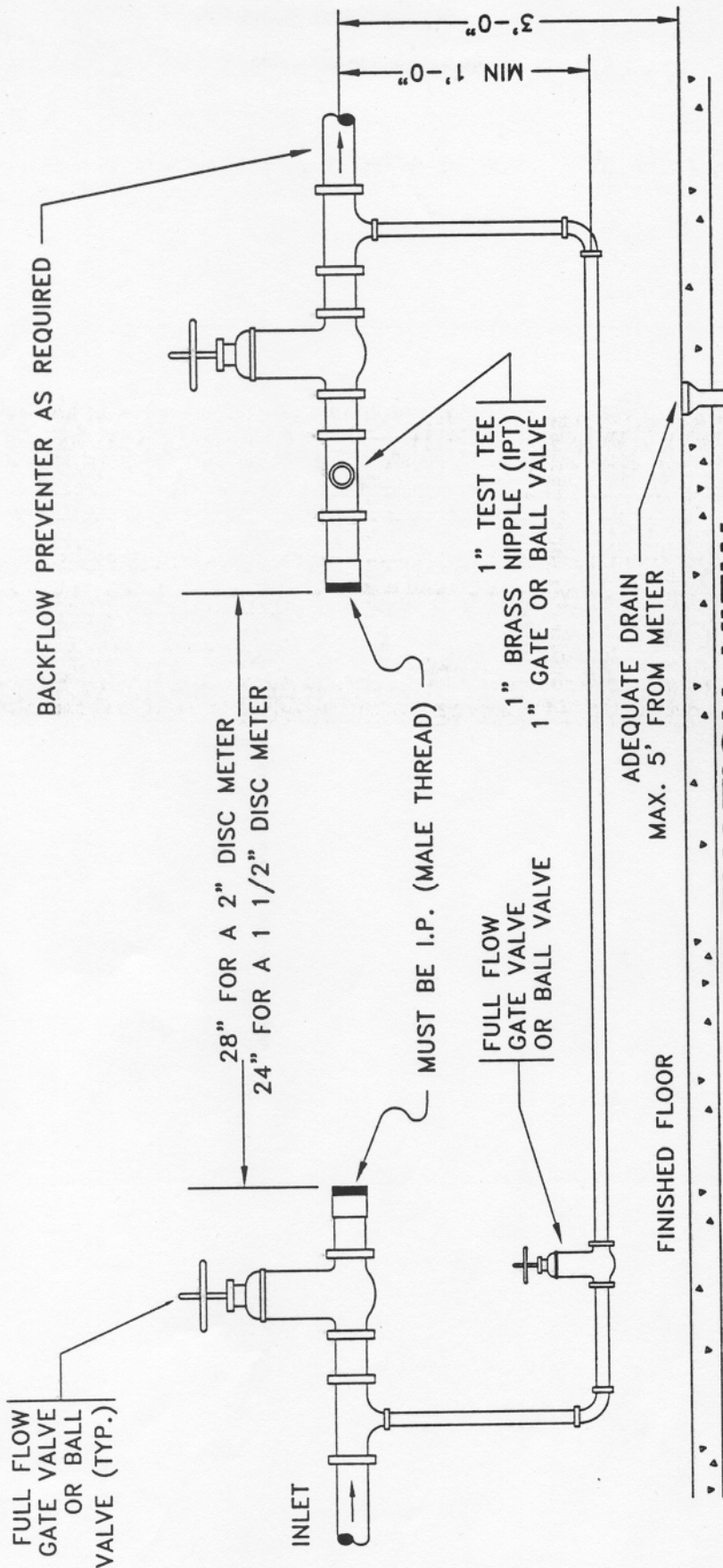


The City of Akron, Ohio
 Department of Public Service Public Utilities Bureau
 David L. Crandell - Manager
**STANDARD FOR
 PRECAST METER VAULTS**

REVISED BY -D.L.R.

REDRAWN AND REVISED FROM ORIG. ACC.B-12724

NOT TO SCALE



ELEVATION VIEW

WHEN JOINING DISSIMILAR METALS A WATER DEPARTMENT APPROVED BRASS TRANSITION FITTING IS REQUIRED.

BY-PASS LINE:

MINIMUM SIZE - 1 1/4" FOR 1 1/2" METER SETTING
 MINIMUM SIZE - 1 1/2" FOR 2" METER SETTING
 MAXIMUM SIZE - SAME AS METER SETTING

MINIMUM AREA REQUIRED FOR METER SETTING - 4'W. x 6'L. x 6'H.

MAXIMUM FLOW RATE:

1 1/2" METER - 100 GPM
 2" METER - 160 GPM

NOTES: "L" OR "K" COPPER PIPE WITH SOLDER FITTINGS OR SCREW FITTINGS WITH BRASS NIPPLES. MINIMUM DISTANCE SHOWN MUST BE MAINTAINED AND THE METER SETTING COMPLETED BY CONTRACTOR WITH BRASS NIPPLES AND METER SPUDS.

REF:

FOR DETAIL OF METER VAULT SEE Acc. F - 12724
 FOR METER SETTINGS LARGER THAN 2" SEE Acc. F - 13380

APPROVED *Tony L. L. P.E.* 5-18-99
 UTILITIES ENGINEER DATE

The City of Akron, Ohio
 Department of Public Service Public Utilities Bureau
 David L. Crandell - Manager

STANDARD METER SETTING 1 1/2" AND 2" DISC METERS

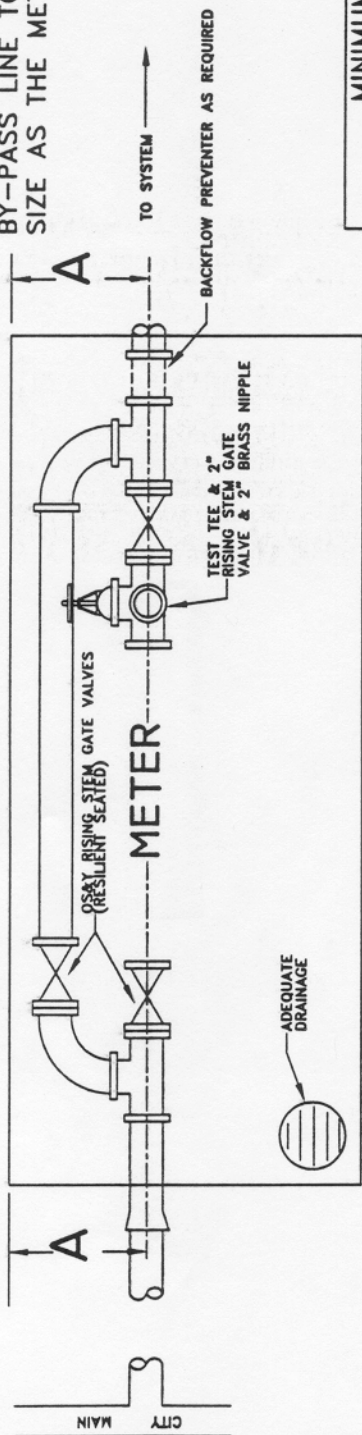
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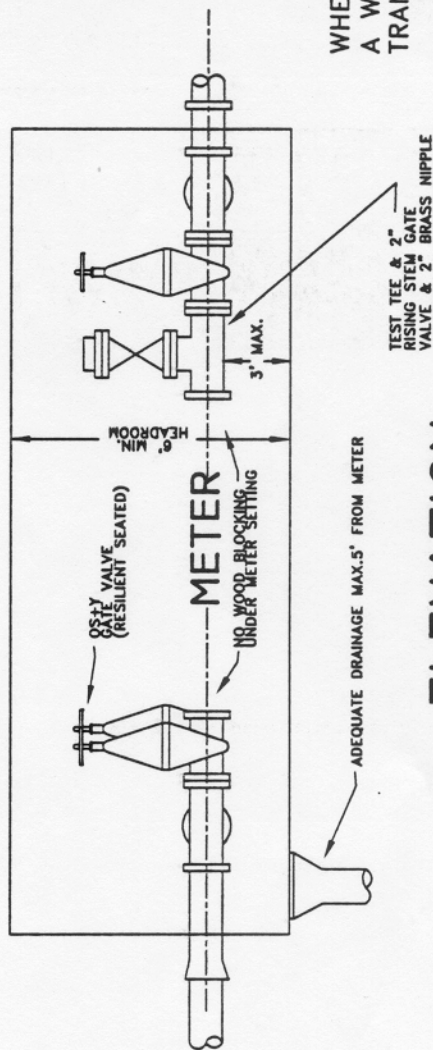
Acc. F - 7118



NOTE: METER SETTINGS SHALL BE CAST OR DUCTILE IRON WITH FLANGE FITTINGS. BY-PASS LINE TO BE THE SAME SIZE AS THE METER SETTING.



PLAN



ELEVATION

NOTE: METER SETTINGS FOR 1 1/2" & 2" METERS SEE DWG. ACC.F-7718

METER SETTINGS IN METER VAULT SEE PRECAST METER VAULT DWG. ACC.F-14963

MINIMUM AREA & CLEARANCES FOR METER SETTINGS			
COMPOUND & F.M.C.T. METERS			
SERV. SIZE	A	LENGTH	WIDTH
4"	2' 6"	10'	6'
6"	3' 2"	12'	6'
8"	3' 6"	15'	8' 4"
10"	3' 6"	17'	10'
DISC METER SETTINGS			
1 1/2"	1' 0"	6'	4'
2"	1' 0"	6'	4'
COMPOUND METER F.M.C.T. METER			
SIZE	LENGTH	SIZE	LENGTH
3"	24"	4"	33"
4"	29"	6"	45"
6"	36 1/2"	8"	53"

WHEN JOINING DISSIMILAR METALS A WATER DEPARTMENT APPROVED BRASS TRANSITION FITTING IS REQUIRED.

APPROVED

Tony J. Jeli, P.E. 5-13-99
UTILITIES ENGINEER

DATE

Acc. F - 13380

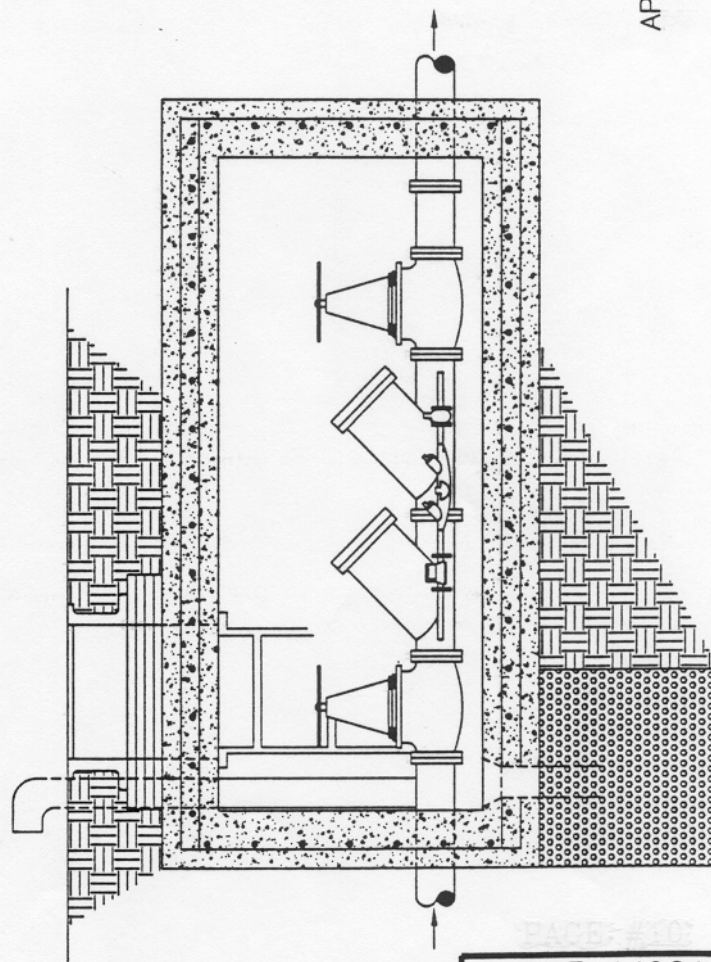
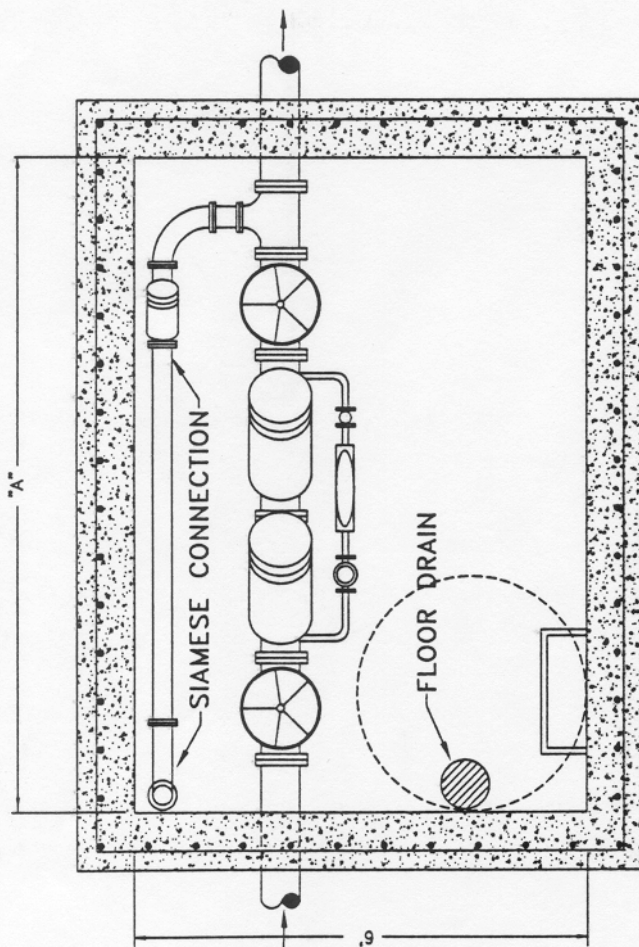


The City of Akron, Ohio
Department of Public Service Public Utilities Bureau
David L. Crandell - Manager

STANDARD LARGE METER INSTALLATION

REVISED BY -D.L.R.

NOT TO SCALE



NOTES: FOR STANDARD PRECAST METER VAULT
 SPECS REFER TODRAWING NO. 14963
 THE BYPASS METER SHALL BE APPROVED
 BY THE CITY OF AKRON WATER DEPT.;
 FURNISHED AND INSTALLED BY THE
 OWNER AND MUST READ IN CUBIC FEET
 WITH A (1) CUBIC FOOT SWEEP HAND.
 ALL PIPING SHALL BE DUCTILE IRON
 WITH DUCTILE OR CAST IRON FITTINGS.

D.C.D.A. SIZE	"A"
4"	10'
6"	10'
8"	10'
10"	12'

WHEN JOINING DISSIMILAR METALS A WATER
 DEPARTMENT APPROVED BRASS TRANSITION
 FITTING IS REQUIRED.

APPROVED *Tony Zucki* P.E. 5-13-99 DATE
 UTILITIES ENGINEER

The City of Akron, Ohio
 Department of Public Service Public Utilities Bureau
 David L. Crandell - Manager

DOUBLE CHECK DETECTOR ASSEMBLY

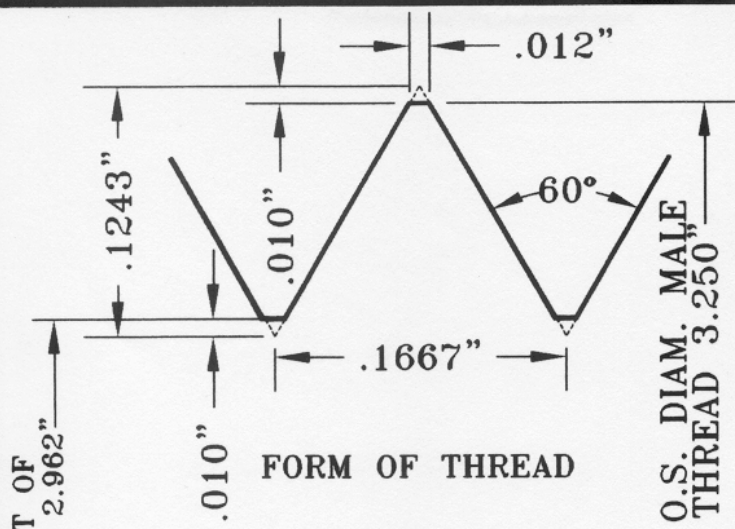
REVISED BY -D.L.R.

REDRAWN AND REVISED FROM ORIG. ACC.B-12967

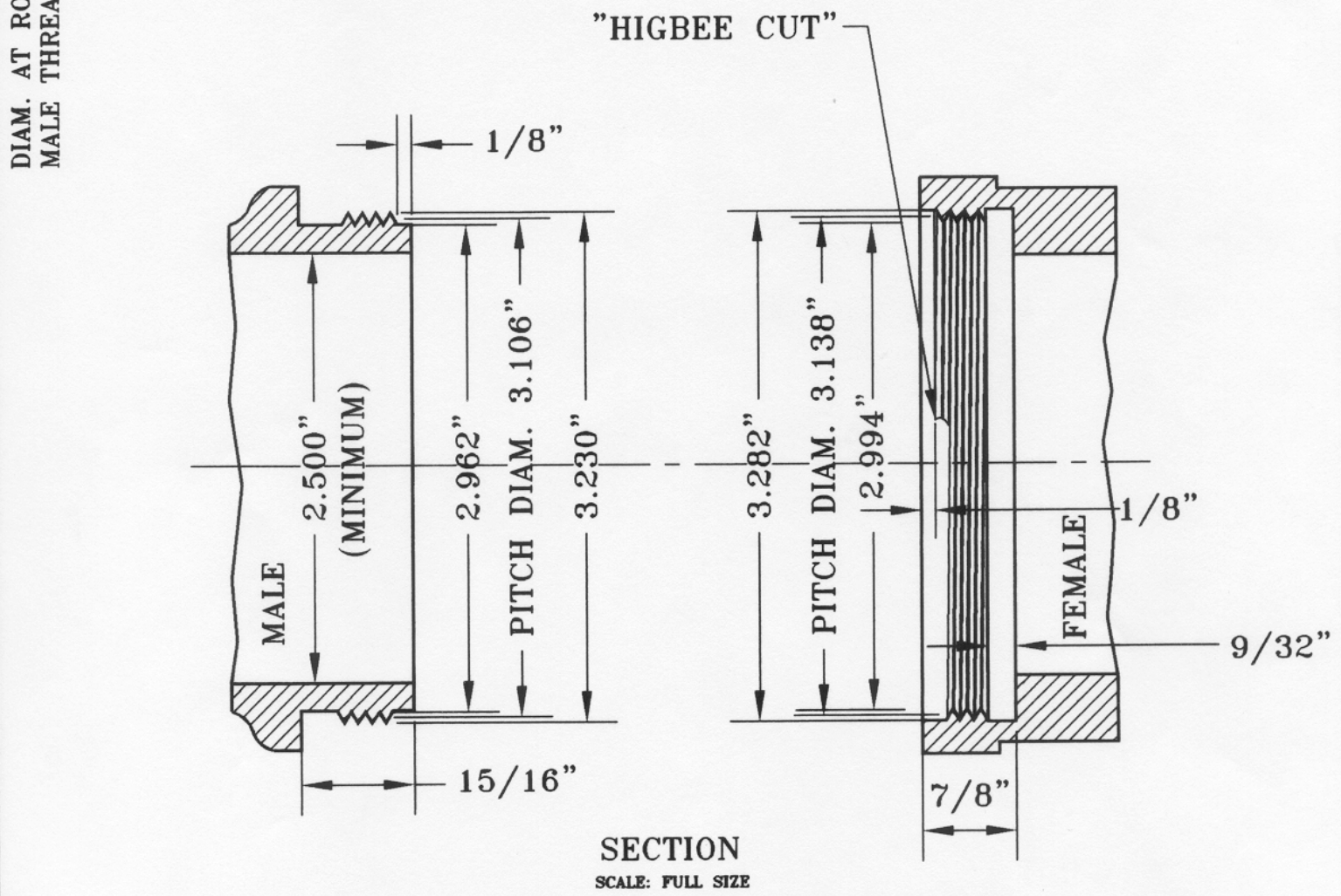
NOT TO SCALE

ACC. F-14964





MALE-FEMALE	
OUTSIDE DIAMETER OF THREAD	3.230" 2.994"
DIAMETER AT ROOT OF THREAD	2.962" 3.282"
TOTAL LENGTH THREADED	15/16" 7/8"
CLEARANCE BETWEEN MALE/FEMALE THREAD	.032"
FLAT AT TOP AND VALLEY OF THREAD	.01"
PITCH OR NUMBER OF THREADS PER INCH	6
OUTER ENDS OF MALE/FEMALE THREADS TERMINATED BY THE "HIGBEE CUT" TO AVOID CROSSING THE FINELY DRAWN-OUT THREAD.	
OUTER END OF MALE THREAD LEFT BLANK FOR 1/8 INCH.	

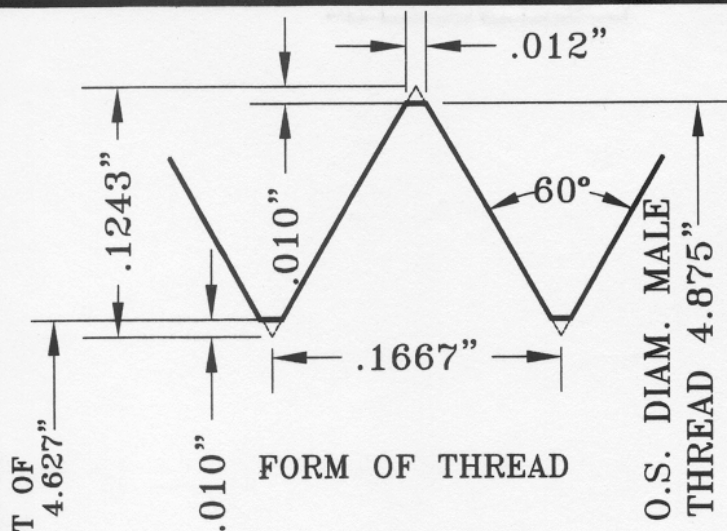


TO BE MADE OF THE FOLLOWING PROPORTIONS:

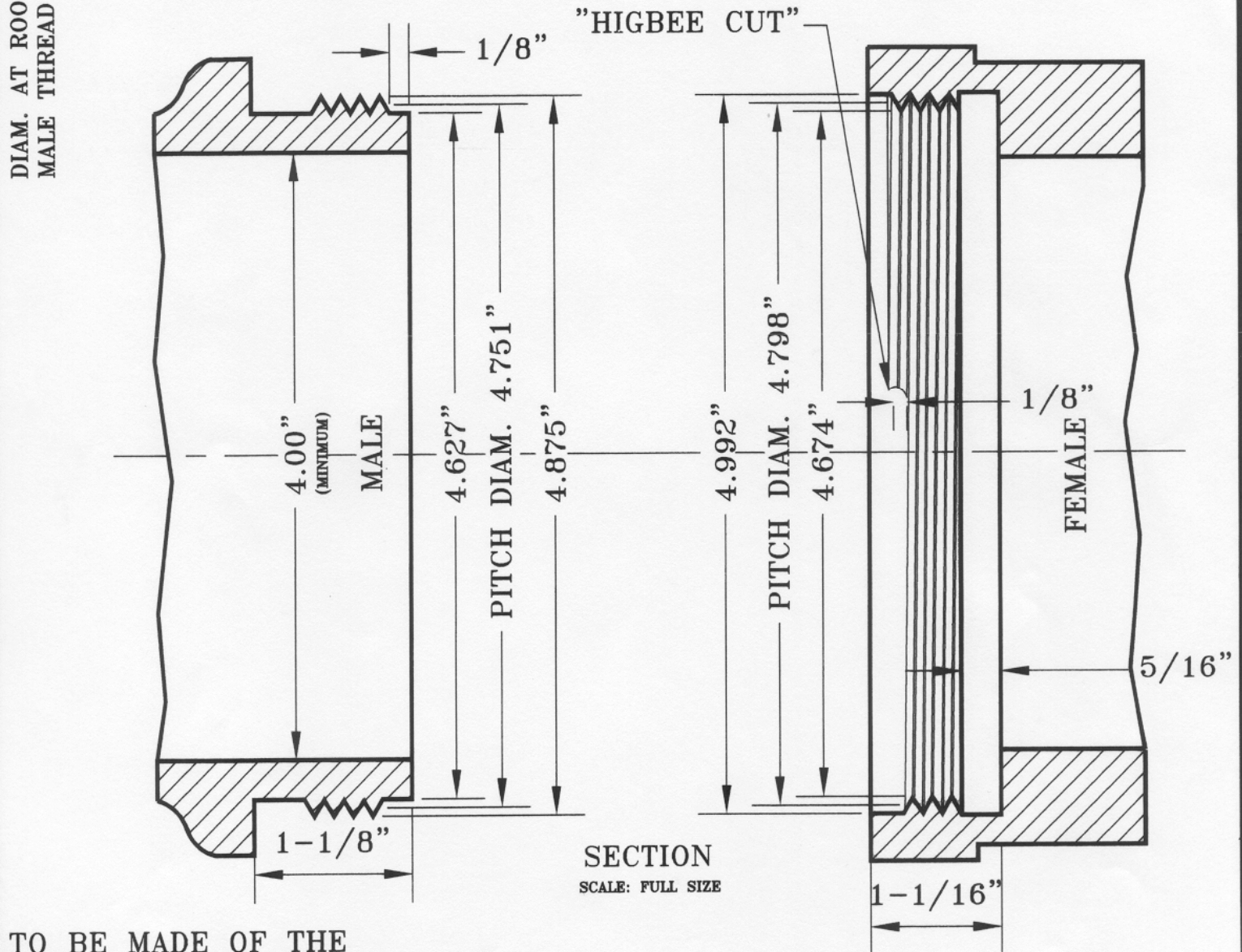
- NOT LESS THAN 83% COPPER.
- NOT LESS THAN 5% TIN.
- NOT MORE THAN 7% ZINC.
- NOT MORE THAN 3% LEAD.

APPROVED: *Terry Leslie, P.E.*
UTILITIES ENGINEER

CITY OF AKRON, OHIO
DEPT. OF PUBLIC SERVICE PUBLIC UTILITIES BUREAU
AKRON STANDARD
2 1/2" HOSE COUPLING
REVISED OCTOBER, 2002
ACC. F-3258



OUTSIDE DIAMETER OF THREAD 4.875" 4.674"
 DIAMETER AT ROOT OF THREAD 4.627" 4.922"
 TOTAL LENGTH THREADED 1-1/8" 1-1/16"
 CLEARANCE BETWEEN MALE/FEMALE THREAD .032"
 FLAT AT TOP AND VALLEY OF THREAD .01"
 PITCH OR NUMBER OF THREADS PER INCH-6
 OUTER ENDS OF MALE/FEMALE THREADS
 TERMINATED BY THE "HIGBEE CUT" TO AVOID
 CROSSING THE FINELY DRAWN-OUT THREAD.
 OUTER END OF MALE THREAD LEFT BLANK FOR
 1/8 INCH.



TO BE MADE OF THE
FOLLOWING PROPORTIONS:

NOT LESS THAN 83% COPPER.
 " " " 5% TIN.
 " MORE " 7% ZINC.
 " " " 3% LEAD.

APPROVED:

Terry L. Loebe, P.E.
 UTILITIES ENGINEER

REVISED 12/05/00

CITY OF AKRON, OHIO
 DEPT. OF PUBLIC SERVICE PUBLIC UTILITIES BUREAU

AKRON STANDARD
 4" PUMPER COUPLING

DECEMBER, 2000

ACC. F-3440

Akron Distribution Area

This map illustrates the Akron Distribution Area, highlighting the Bath and Kent regions. The map features a network of roads, including major thoroughfares like Aurora Rd, Streetsboro Rd, and Main St. Key locations such as Bath and Kent are labeled in large, bold letters. The map also shows various water supply points, indicated by green squares with 'F' and 'S' labels. A legend in the bottom right corner provides a key for the symbols used, including a north arrow and a scale bar. The map is titled 'Akron Distribution Area' at the top.