

**RULES AND REGULATIONS OF THE  
GENERAL AUTHORITY  
OF THE CITY OF FRANKLIN  
GOVERNING THE PUBLIC SANITARY  
SEWER SYSTEM**

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## **SCOPE**

These Rules are adopted by the General Authority of the City of Franklin (the “Authority”) to govern the operations of the public sanitary sewer system owned by the Authority. These Rules, as from time to time amended, supplemented or replaced, may be enforced by either the Authority or the City of Franklin (as the Operator under these Rules) or by both.

**ARTICLE I**  
**Definitions**

As used in these Rules, the following words and phrases have the following respective meanings:

*“Abnormal Industrial Waste”* means any Industrial Waste having a suspended solid content or B.O.D. appreciably in excess of that normally found in municipal sewage. Without limiting the generality of the foregoing, any Industrial Waste containing more than 350 milligrams per liter of suspended solids or having a B.O.D. in excess of 300 milligrams per liter will be considered an Abnormal Industrial Waste regardless of whether or not it contains other substances in concentrations differing appreciably from those normally found in municipal sewage.

*“Authority”* means General Authority of the City of Franklin, a corporate body existing under the laws of the Commonwealth of Pennsylvania.

*“Biochemical Oxygen Demand (or B.O.D.)”* means the quantity of oxygen utilized in the biochemical oxidation of the organic matter in the subject Sewage or Industrial Waste under standard laboratory procedures in five days at 20°C, or expressed in milligrams per liter by weight. It will be determined by one of the acceptable methods described in the Standard Methods.

*“Building Sewer”* means the conduit between the sanitary sewer drainage system of a structure and its connection with the Service Lateral. Such conduit and the appurtenances thereto are owned by, and are the responsibility of, the Owner of the subject property.

*“Collection Sewers”* means the portions of the Sewer System that are intended to collect and convey Sanitary Sewage or Industrial Waste or both. Such term does not include any Service Lateral or Building Sewer.

*“Customer”* means a Person contracting for or using sanitary sewer service provided by the Authority.

*“Due Date”* means the date stated in an invoice, bill or notice by which payment or other action is required.

*“Equivalent Dwelling Unit (or EDU)”* means a unit of measurement that standardizes all land use types to the level of demand created by one single-family dwelling unit. For the purposes of these Rules, one EDU is generally equivalent to four thousand (4,000) gallons of water consumption per month; however, the number of EDU’s involved in any particular situation will be determined by the Authority’s engineers.

*“Garbage”* means solid waste from the preparation, cooking or dispensing of food or from the handling, storage or sale of produce or other food products.

“*Industrial Waste*” means any solid, liquid or gaseous substance or water-borne by-product from industrial or commercial processes or activities.

“*Natural Outlet*” means any flow of surface water or groundwater into a watercourse, pond, ditch, lake or other containment area.

“*Occupied Building*” means any structure erected and intended for continuous or periodic habitation, occupancy or use by human beings or animals from which Sanitary Sewage or Industrial Waste is or may be discharged.

“*Operator*” means the City of Franklin, Venango County, Pennsylvania, in its capacity as the manager of the Sewer System.

“*Owner*” means any Person having an ownership interest, whether legal or equitable, alone or with one or more other Persons, in any Premises which is, or is about to be, provided with service by or from the Sewer System or that is required to be connected to the Sewer System.

“*pH*” means the logarithm to the base 10 of the reciprocal of the hydrogen ion concentration expressed in moles per liter. It will be determined by one of the acceptable methods described in the Standard Methods.

“*Person*” means any individual, corporation, partnership, joint venture, limited liability company, firm or other private or public entity.

“*Premises*” means the real property or area, including improvements, to which sanitary sewer service is or will be provided by the Authority or that is required to be connected to the Sewer System. The term includes (except as may be otherwise specified or provided for in these Rules), without limitation:

- a. A building under one roof occupied, or to be occupied, as a single residence or single place of business.
- b. A group or combination of buildings occupied, or to be occupied, by a Person as a residence or place of business, or for manufacturing or industrial purposes, or as a hospital, church, public or private school or similar institution.
- c. Each apartment, office, suite of offices or place of business located in a building or a group or combination of buildings.
- d. Each building such as:
  - i. a municipal building, schoolhouse or fire house.
  - ii. each house in a row of houses.
  - iii. each dwelling unit in a row of houses.
  - iv. each dwelling unit in a multi-unit building.
  - v. each mobile home, whether or not located in a mobile home park.

“*Premises Accessible to the Sewer System*” means any property required to be connected, or that is connected, to the Sewer System.

*“Properly Shredded Garbage”* means Garbage that has been shredded to such an extent that all particles will be carried freely under the flow conditions normally prevailing in the Sewer System, with no particle greater than one-half inch in any dimension.

*“Rate Schedule”* means the rates, rentals, charges and fees from time to time adopted by the Authority.

*“Rules”* means these rules and regulations as same may be from time to time amended, supplemented or replaced by the Authority.

*“Sanitary Sewage”* means water or other liquids intended to be conveyed through the Sewer System that contain human or animal metabolic wastes or residuals from cooking, cleaning or bathing. The term does not include Storm Water Runoff, spring water, surface water, groundwater, subsurface drainage or cooling water.

*“Sanitary Sewer”* means a Sewer used to convey Sewage.

*“Service Lateral”* means the conduit located between a Collection Sewer and its connection with the relevant Building Sewer. The Service Lateral will extend only between the Collection Sewer and the nearest boundary line of the property on which is located, or is to be located, (or such other point on the subject premises as may be specified in writing by the Authority) and includes the connection between the Service Lateral and the Building Sewer.

*“Sewage”* means Sanitary Sewage and Industrial Waste, together with such Stormwater Runoff, surface water and groundwater as may be present in the Sewer System.

*“Sewer”* means a pipe or conduit intended to convey Sewage.

*“Sewer System”* means, as of any particular time: (a) all sanitary sewers and appurtenances thereto owned, leased or used by the Authority; (b) all sanitary sewage treatment facilities, if any, owned or leased by the Authority; and (c) all other property, tangible and intangible, owned, leased or licensed by the Authority and used or useful to the Authority at such particular time in the rendering of sanitary sewer services. The “Sewer System” does not include Storm Sewers.

*“Standard Methods”* means then-current edition of “Standard Methods for the Examination of Water and Wastewater” published jointly by the American Public Health Association, the American Waterworks Association and the Water Pollution Control Federation (or a substantially equivalent authoritative source if such publication is no longer maintained).

*“Storm Sewer”* means a pipe or conduit which is intended to carry Storm Water Runoff, surface water or groundwater, but which is not intended to carry any Sanitary Sewage or Industrial Waste.

*“Storm Water Runoff”* means that portion of rainfall which reaches a channel, trench, downspout, pipe or conduit.

“*Suspended Solids*” means solid materials that either float on the surface of, or are in suspension in, water, Sewage, Industrial Waste or other liquids and which are removable by filtration. The quantity of suspended solids will be determined by one of the acceptable methods described in the Standard Methods.

“*Tapping Fees*” means fees related to connections to the Sewer System as set forth on the Rate Schedule.

“*Unpolluted Water or Waste*” means material that does not contain or have: free or emulsified grease or oil; a pH less than 6.0 or greater than 9.0; phenols or other substances imparting taste and odor to receiving waters; toxic or poisonous substances in suspension, colloidal state or solution; obnoxious or odorous gases. The material must contain no more than 1,000 milligrams per liter by weight of dissolved solids of which not more than 250 milligrams per liter are chloride and not more than 10 milligrams per liter each of suspended solids and B.O.D. The color will not exceed 50 color units. Analysis for any of the above-mentioned substances will be made in accordance with the Standard Methods.

“*Watercourse*” means a channel in which a flow of water occurs either continuously or intermittently.

**ARTICLE II**  
**Fees and Charges**

Except as may be otherwise provided for in these Rules, charges and fees under these Rules will be as set forth in the then-current Rate Schedule.

**ARTICLE III**  
**Applications For Service**

Section 3.01.

All connections to the Sewer System will be governed by Article 14 of these Rules as well as any other applicable provisions of these Rules.

Section 3.02.

If any past due amount of any nature (whether related to sewer service, water service or any other matter) is owed to the Authority by an Owner who makes application for service under Section 3.01, the Authority may require one or more of the following:

- a. That all such past due amounts be paid in full prior to approving the application.
- b. That the Owner enter into a written agreement with the Authority for payment of all such past due amounts.
- c. That a deposit be made with the Authority in such amount as the Authority may determine is necessary to secure payment for future charges related to the Premises for which the application was submitted.

Section 3.03.

The Authority may require, prior to providing service to any Premises, that the Owner enter into specific arrangements or contracts for services in any of the following circumstances:

- a. If the construction of a Collection Sewer or other facilities is necessary.
- b. If otherwise deemed necessary by the Authority.

Section 3.04.

By making an application to the Authority for sanitary sewer service, the Owner represents and warrants that, at the time of connection of the Premises to the Sewer System, all sanitary sewer plumbing lines and fixtures in or on the Premises will be in satisfactory condition. The Owner, by submitting such application, releases and agrees to indemnify and hold the Authority harmless from any and all claims made by or on behalf of the Owner or any other Person alleging damages to persons or property arising in whole or in part from connection of the Premises to the Sewer System. For the purposes of this Section 3.04, the Authority will also include the Operator and their respective board members, council members, officers, employees, agents, contractors and representatives.

**ARTICLE IV**  
**Billing and Collection**

Section 4.01.

Fees, costs and charges for sanitary sewer service and other matters related to the Sewer System will be as from time to time set forth in the Rate Schedule. A copy of the current Rate Schedule is available from the Operator upon request.

Section 4.02.

Except as otherwise set forth in Section 4.07 of these Rules, all bills and notices relating to the Sewer System will be mailed or otherwise delivered to an Owner holding record legal (as opposed to equitable) title to the subject property at the address of such property. Duplicates of such bills and notices for sewer accounts may also be mailed to additional names and addresses upon written request of an Owner of the subject Premises delivered to the Operator. Notwithstanding the foregoing sentence or any other provision of these Rules, all sanitary sewer service rendered with respect to the subject Premises will be considered services rendered to the Owner(s) of such Premises, and in all circumstances the Owner(s) of the subject Premises and such Premises will be responsible for all applicable fees, costs and charges and compliance with all notices arising from, or related to, such services. Upon a change of ownership of any Premises, any and all unpaid fees, costs and charges due with respect to such Premises will be and become the responsibility of the new Owner(s) as well as remain the responsibility of the prior Owner(s) and the subject Premises.

Section 4.03.

An account will be delinquent if payment in full of all amounts due with respect to such account is not received on or before the twentieth (20<sup>th</sup>) day after the date of issuance of the initial billing for the subject services. Should such twentieth (20<sup>th</sup>) day fall on a Saturday, a Sunday, a legal holiday in the Commonwealth of Pennsylvania or any additional holiday recognized by the Operator, the period for payment without delinquency will be extended to the next day which is not a Saturday, Sunday or such a holiday. A penalty of ten percent (10%) of each amount that becomes delinquent will be added to the subject account as of the date of the delinquency.

Section 4.04.

A service charge as set forth in the Rate Schedule will be imposed and added to the subject account for any check return as uncollectible for any reason, together with interest at the legal rate on the face amount of the check from the date of dishonor. One or more signs advising that such service charge and interest will be imposed will be conspicuously posted in the offices of the Operator. Remittance of a check which is dishonored for any reason will not be considered a payment toward any amounts due and will not in any manner affect any notice of

intended suspension or termination of sewer service or water service or actual suspension or termination of sewer service or water service .

Section 4.05.

All past due amounts are subject to collection by the Authority or the Operator or both by:

- a. Filing and enforcement of a municipal claim and lien against the subject property; or
- b. A civil action against any Owner of the subject property at the relevant time or any other Person responsible for the payment of the past due amount. Such actions may be pursued separately, concurrently or consecutively; provided that only a single recovery of all amounts due may be obtained.

Section 4.06.

Subject to any applicable provisions of the Pennsylvania Water Services Act (53 P.S. Section 3102.101, et seq.) or the Pennsylvania Utility Service Tenant's Rights Act (68 P.S. Section 399.1, et seq.), the Authority, in its discretion, may also shut off the supply of water to the subject premises if any amounts for sanitary sewer service remain unpaid after 30 days from the due date thereof.

Section 4.07.

Attorney fees, costs and expenses incurred in efforts to collect past due amounts may be added to the amounts due, together with all other collection fees, penalties, interest and expenses permitted under applicable law. The schedule of such attorney fees is attached to these Rules as Appendix "A" and is now by reference incorporated in these Rules. Such schedule may be amended from time to time upon resolution of the Authority.

The following procedures will be followed in assessing or imposing attorney fees in connection with the collection of past due amounts:

- a. At least thirty (30) days prior to assessing or imposing attorney fees in connection with the collection of any past due amount, the Authority or the Operator will, by United States certified mail, return receipt requested, postage prepaid, mail to the Owner the notice required under subsection (d) of this Section 4.07.
- b. If within thirty (30) days of mailing the notice, the certified mail is refused or unclaimed or the return receipt is not received by the Authority or the Operator, then at least ten (10) days prior to assessing or imposing attorney fees in connection with the collection of any past due amount, the Authority or the Operator will, by United States first class mail, mail to the Owner the notice required by subsection (d) of this Section 4.07.

- c. The notice required by this Section 4.07 will be mailed to the Owner's last known post office address by virtue of the knowledge and information possessed by the Authority and Operator and by the county office responsible for assessments and revisions of taxes. It will be the duty of the Authority or the Operator to determine the Owner's last post office address known to the Authority or the Operator and the county assessment office.
- d. The notice to the Owner must include the following:
  - i. A statement of the intent to impose or assess attorney fees within thirty (30) days of mailing the notice under subsection (a) of this Section 4.07 or within ten (10) days of the mailing of the notice under subsection (b) of this Section 4.07; and
  - ii. The manner in which the imposition or assessment of attorney fees may be avoided by payment of the past due amounts.

**ARTICLE V**  
**Termination of Sewer Service**

Section 5.01.

Should a property that was required to be connected to the Sewer System no longer be required to be connected to the Sewer System, an Owner of the property may terminate sanitary sewer service to the property by submitting a written application to the Authority or the Operator in such form as the Authority or the Operator may from time to time require, together with the fee required under the Rate Schedule and payment of any and all amounts then due for water service and sewer service to or for the subject property. The application must be accompanied or supplemented by such information as the Authority or the Operator may require to evidence to the satisfaction of the Authority and the Operator that the property is no longer required to be connected to the Sewer System.

Section 5.02.

Upon approval by the Authority and the Operator of the application, Operator personnel will within a reasonable time terminate sanitary sewer service to the property by cutting and capping the Service Lateral for the property at a property line or at any other location designated by the Authority or the Operator. Service will be considered to have been terminated as of the date of such capping of the Service Lateral to the property.

Section 5.03.

Until such termination of service, the Owner of the property will continue to be liable for sanitary sewer service charges under the Rate Schedule.

Section 5.04.

After termination of sanitary sewer service, reconnection of such service to the property will be governed by, inter alia, Article III of these Rules.

Section 5.05.

The Authority or the Operator may from time to time suspend or interrupt sanitary sewer service to any Premises in order to make repairs, replacements, improvements or connections to the Sewer System, to change or test components of the Sewer System, to maintain the Sewer System or in any other instance where the Authority or the Operator has reason to believe that such suspension or interruption is necessary. In such an event, the Operator will make reasonable efforts to notify the affected Customers of the proposed suspension or interruption of service, but neither the Authority nor the Operator will be liable for any damage, loss or inconvenience incurred by an Owner, a Customer or any other Person as a result of such interruption in service, nor will any Owner, Customer or other Person be entitled to any refund or credit with respect to such suspension or interruption in service.

**ARTICLE VI**  
**Inspection of Premises**

Section 6.01.

The Owner of any property connected, or required to be connected, to the Sewer System must permit access to the property at all reasonable times upon request of any authorized employee of the Operator for the purpose of, but not limited to, making inspections or repairs and securing such other information as may be reasonably necessary to the Authority or the Operator for ensuring compliance with the provisions of these Rules and the proper operation of the Sewer System. If the Owner fails or refuses to grant such access, the Authority or the Operator will have the right to seek access by means of an administrative search warrant or any other available remedy.

**ARTICLE VII**  
**Enforcement**

Section 7.01.

The Authority and the Operator, or either of them, may enforce the provisions of these Rules in any manner permitted by law, including, but not limited to, seeking equitable relief from any court having jurisdiction.

**ARTICLE VIII**  
**Validity, Amendment and General Matters**

Section 8.01.

If any sentence, clause, part or section of these Rules is found to be unconstitutional, illegal or invalid, such unconstitutional, illegal or invalid sentence, clause, part or section will not affect the validity of the remaining provisions of these Rules. It is hereby declared the intent of the Board of the Authority to have adopted these Rules if such unconstitutional, illegal or invalid sentence, clause, part or section had not been included in these Rules.

Section 8.02.

These Rules will become effective at such time as they have been adopted by the Authority.

Section 8.03.

All other rules and regulations of the Authority pertaining to the Sewer System which are inconsistent with these Rules are hereby repealed to the extent necessary to give full effect to the provisions of these Rules.

Section 8.04.

No employee, contractor, agent, representative or official of the Authority or of the Operator has the power or right to bind the Authority or the Operator without express authority from the Authority or the Operator, as the case may be.

Section 8.05.

Any services or materials provided by or for the Authority or the Operator for which another Person is responsible, by reason of the request of such Person, in connection with any violation of these Rules or otherwise, will be promptly paid or reimbursed to the Authority or the Operator, as the case may be, upon demand at the rates and charges provided for in the Rate Schedule, plus an additional ten percent (10%) thereof for administrative expense.

Section 8.06.

Copies of these Rules and the then-current Rate Schedule may be obtained at the office of the Operator during regular business hours of the Operator. These Rules and the then-current Rate Schedule are also intended to be available on the Operator's website.

**ARTICLE IX**  
**Discharge of Sanitary Sewage to Sewer System Required**

Section 9.01.

The Owner of each parcel of real property that contains an Occupied Building any portion of which is at any time located within 150 feet (measured horizontally) of a Collection Sewer must cause such building to be connected to the Sewer System for the purpose of disposing of all Sanitary Sewage from the building. Each Occupied Building must be separately connected to a Collection Sewer.

Section 9.02.

No Owner of a building required to be connected to the Sewer System under Section 9.01 of these Rules is permitted to cause or permit any Sanitary Sewage to be disposed of from such building other than through the Sewer System, whether by means of a septic tank, cesspool, privy tank, mine hole or otherwise.

Section 9.03.

No Person is permitted to cause or permit any roof drain to be connected or to remain connected to the Sewer System nor cause or permit any rainfall, foundation drain water, spring water, ground water or surface water to enter into the Sewer System.

Section 9.04.

All connections to the Sewer System must be made in accordance with the provisions of these Rules.

Section 9.05.

No cesspool, privy vault, septic tank, cistern or other similar structure (each a "Depository") is permitted to be connected or remain connected to the Sewer System. At the time of connection of a building to the Sewer System, each Depository connected to such building must be disconnected and the inlet and outlet pipes must be capped with watertight seals. Removal or other disposition of a Depository must be made in accordance with all applicable laws, ordinances, rules and regulations.

**ARTICLE X**  
**Exclusion of Storm Water Runoff**

Section 10.01.

The discharge of Storm Water Runoff, spring water, surface water, groundwater, subsurface drainage, cooling water (other than Industrial Waste), Unpolluted Water or Waste (collectively “Prohibited Water”) to the Sewer System is prohibited.

Section 10.02.

Each Owner of property connected to the Sewer System must provide and maintain adequate means for excluding Prohibited Water from the Sewer System.

Section 10.03.

If the Authority or the Operator determines that any Prohibited Water is being discharged to the Sewer System, written notice identifying the violation will be given to an Owner of the subject property. If the violation is not cured within 30 days after the date of the notice, the Authority or the Operator may cause the violation to be cured at the cost and expense of the Owner, together with ten percent (10%) of the aggregate of such costs and expenses added for administration. The Authority or the Operator may recover the total of such costs, expenses and administrative fee in any manner permitted by law, including, not limited to, imposition of a municipal lien against the subject property. The Authority or the Operator may also take any other action permitted by law to cause such violation to be cured.

**ARTICLE XI**  
**Admission of Industrial Waste to Sewer System**

Section 11.01.

The Authority reserves the right to refuse connection to the Sewer System, or to compel discontinuance of the use of the Sewer System, for disposal of any Industrial Waste determined by the Authority or the Operator to be harmful, or potentially harmful, to the Sewer System, Operator personnel or contractors, other users of the Sewer System, the public or any other person or entity. The Authority may also condition disposal of Industrial Waste through the Sewer System on pretreatment or equalization of flow. The design, construction and operation of such pretreatment or flow equalization facilities must be made at the sole expense of, or on behalf of, the Owner of the subject property and will be subject to prior approval of the Authority.

Section 11.02.

Industrial Waste will be considered harmful or potentially harmful to the Sewer System if it is determined by the Authority or the Operator that such Industrial Waste is Abnormal Industrial Waste or would or might cause or contribute to any of the following:

- (a) Chemical reaction either directly or indirectly with the materials of construction of the Sewer System in such a manner as to impair the strength or durability of any portion of the Sewer System.
- (b) Mechanical action that may damage or destroy any portion of the Sewer System.
- (c) Restriction of the hydraulic capacity of the Sewer System.
- (d) Restriction of the inspection, maintenance, repair or replacement of the Sewer System.
- (e) Danger to public health or safety.
- (f) Obnoxious odors or other conditions inimical to the public interest.
- (g) Substances that are toxic to the biological activity required to treat Sewage.

Section 11.03.

As a condition for discharging Industrial Waste into the Sewer System, the Authority or the Operator may require the Owner of the subject property to install, or cause to be installed, one or more suitable manholes or metering chambers at a location or locations approved in writing by the Authority on the Building Sewer or the Service Lateral to facilitate observations, sampling and measurement of the Sewage from the subject property. Each such manhole or metering chamber must be accessible and safely located and must be constructed in accordance with plans

approved in writing by the Authority. Each such manhole or metering chamber must be maintained by and at the expense of the Owner so as to be safe and accessible to employees, contractors and representatives of the Authority and the Operator at all times.

Section 11.04.

The Authority may also require the Owner of any property connected or to be connected to the Sewer System to install, or cause to be installed, grease, oil and sand interceptors or grit removal chambers if the Authority determines that any such facilities are necessary for the proper handling of liquid wastes containing grease in excessive amounts, flammable wastes, sand or other materials that would or could be harmful to the Sewer System or its operation. Each such interceptor or chamber must be constructed in accordance with plans approved in writing by the Authority and must be properly maintained and located so as to be safe and accessible to employees, contractors and representatives of the Authority and the Operator. Such maintenance must be performed at such regular intervals as may be from time to time specified by the Authority or the Operator or as from time to time directed by the Authority or the Operator.

**ARTICLE XII**  
**Unacceptable Sewage Discharges**

Section 12.01.

The discharge of Garbage to the Sewer System is expressly prohibited unless it is Properly Shredded Garbage.

Section 12.02.

No Owner or any other Person is permitted to contribute, or permit or cause to be contributed, to the Sewer System directly or indirectly, any material or substance which could interfere with the proper operation or performance of the Sewer System, whether or not the Owner or other Person is subject to National Categorical Pretreatment Standards or Requirements. Without in any manner limiting the generality of the foregoing, the following substances must not be discharged into the Sewer System:

- (a) Any liquids, solids or gases which, by reason of their nature or quantity, are or may be sufficient, either alone or by combination with other substances, to cause fire or explosion or be injurious in any other way to the Sewer System or its operation. The discharge of substances with a closed cup flash point of less than 140 degrees Fahrenheit is prohibited. At no time will two successive readings on an explosion hazard meter, at the point of discharge into the Sewer System (or any point in the Sewer System), be more than five percent, nor any single reading be over ten percent, of the Lower Explosive Limit (LEL) of the meter. Prohibited substances include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides.
- (b) Solid or viscous substances which may cause an obstruction to the flow in the Sewer System or other interference with its operation, such as, but not limited to: grease, Garbage (other than Properly Shredded Garbage), animal guts or tissues, paunch manure, bones, hair, hides or fleshings, entrails, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, plastics, gas, tar, asphalt residues, residues from refining or processing of fuel or lubricating oil, mud, or glass grinding or polishing wastes, or the discharge of petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in an amount in excess of 100 milligrams per liter.
- (c) Any substance having a pH less than 6.0 or higher than 9.0.
- (d) Any toxic pollutants in sufficient quantity, either singly or by interaction with other pollutants, to injure or interfere with the operation of the Sewer System, constitute a hazard to humans or animals, create a toxic effect in the Sewer System, or exceed the limitations set forth in an applicable Categorical Pretreatment Standard. A toxic

pollutant includes, but is not limited to, any pollutant identified as such by any applicable law, rule or regulation.

- (e) Any noxious or malodorous liquids, gases, or solids which either singly or by interaction with other substances are sufficient to create a public nuisance or hazard to life or health or are sufficient to hinder entry into the Sewer System for maintenance and repair.
- (f) Any substance which may cause the effluent from, or any other product of, the Sewer System, such as residues, sludges, or scums, to be unsuitable for reclamation or that would cause the Sewer System to be in non-compliance with any applicable law, rule or regulation.
- (g) Any substance which would cause the Sewer System to be in violation of its NPDES or State Disposal System Permit or the receiving water quality standards.
- (h) Any dye wastes or vegetable tanning solutions.
- (i) Any sewage having a temperature which could materially inhibit biological activity in the sewage treatment processes, and in no case any material with a temperature at the introduction point into the sewage treatment facility which exceeds 40 degrees C (104 degrees F).
- (j) Any substance contributed to the Sewer System at a flow rate or concentration which a Person responsible for the contribution knows, or has reason to know, could cause interference to the sewer treatment processes.
- (k) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by any applicable laws, rules or regulations.
- (l) Any substances which constitutes a hazard to human life or health or a public nuisance.
- (m) Any material which would exceed the following limitations unless an exception has been granted in the applicable Wastewater Discharge Permit or a stricter limitation is required under applicable Categorical Pretreatment Standards.

These limitations are based on the average concentrations taken during the applicable

sampling.

Arsenic	1.78 mg/l
Cadmium	17.98 mg/l
Chromium	17.65 mg/l
Copper	10.40 mg/l
Cyanide	1.51 mg/l
Lead	1.45 mg/l
Mercury	1.80 mg/l
Nickel	17.35 mg/l
Nitrogen as Ammonia	11.00 mg/l
Silver	4.46 mg/l
Zinc	5.98 mg/l

(n) Substances which could result in the presence of toxic gases, vapors, or fumes within the Sewer System in a quantity that could negatively effect worker health or safety.

Section 12.03.

In any addition to, and not in limitation of, the foregoing, no Sewage or any other substance is permitted to be discharged into the Sewer System other than through an authorized connection to the Sewer System for the Premises on or from which the Sewage or other substance was initially generated. For example, no Sewage or any other substance is permitted to be discharged into a manhole from a recreational or other vehicle, nor is any Sewage or any other substance that is not generated on the subject Premises permitted to be discharged into the Sewer System from the connection for that Premises to the Sewer System.

**ARTICLE XIII**  
**Surcharge for Certain Industrial Wastes**

Section 13.01.

In order to help cover the costs of treating Abnormal Industrial Waste, surcharges may be imposed on the Owner of the property contributing the Abnormal Industrial Waste to the Sewer System. Such surcharges will be imposed under Section 2.01 of these Rules. Such surcharges will be as from time to time established in the sole discretion of the Authority, except as may be otherwise required by applicable laws, rules or regulations.

Section 13.02.

The composition of any Abnormal Industrial Waste will be determined at such intervals as the Authority or the Operator may from time to time determine from samples taken at the applicable manhole or metering chamber or another sampling point agreed to by the Authority or the Operator and the Person responsible for contributing such Abnormal Industrial Waste to the Sewer System. Collection of samples will be done or supervised by a representative of the Authority or the Operator and analyzed under the Standard Methods. In their sole discretion, the Authority or the Operator may accept the results of sampling and analysis performed by or for the Person responsible for contributing the Abnormal Industrial Waste to the Sewer System.

**ARTICLE XIV**  
**Connections to the System**

Section 14.01.

Applications for connection to the Sewer System must be made by or on behalf of the Owner of the subject property to the Operator on a permit form furnished by the Operator and must be signed by all of the Owners. Such application must be submitted to the Operator not less than 60 days before the connection is requested to be made.

Section 14.02.

All applicable tap, connection, inspection and other fees must be paid at the time of making an application under Section 14.01 of these Rules. Such fees will be determined under the Rate Schedule.

Section 14.03.

A connection fee is a capacity fee and reserves the Owner's right to connect to the Sewer System. A connection fee will be payable for each separately assessed parcel of property, each separately installed tap, or the total number of EDU's related to the connection as determined under the Rate Schedule and these Rules.

EDU's for a particular use will be equal to the greater of:

(a) The number of separate residential dwelling units serviced, based on cooking, sleeping or postal arrangements; or

(b) For non-residential uses, the anticipated or reserved (whichever is greater) water usage of the facility in gallons per month divided by 4,000; and

(c) The number of EDU's estimated for the facility based on an applicable method, if any, promulgated by the Pennsylvania Department of Environmental Protection.

#### Section 14.04.

Upon receipt of a properly completed application under Section 14.01 of these Rules, accompanied by all required fees and other information and documents, the Authority or the Operator will issue a sewer connection permit to the Owner for connection to the Sewer System.

#### Section 14.05.

No work to install any connection to the Sewer System is permitted to commence until a permit has been issued for such connection under Section 14.04 of these Rules. No tap into a Collection Sewer will be made during any period that street openings are prohibited by the City of Franklin or any other governmental entity having jurisdiction or at any time when in the sole discretion of the Operator working conditions are inappropriate by reason of weather, temperature, soil conditions or otherwise. Location of taps will be determined in the sole discretion of the Authority or the Operator.

#### Section 14.06.

Separate connections to the Sewer System will be required for each Occupied Building, whether constructed as a detached unit, as one of a pair or row or otherwise. Connections of more than one dwelling unit to one Building Sewer will not be permitted except for good cause shown and with written consent of the Authority with such requirements and on such conditions as may be specified by the Authority in or with such writing. For example, such a single connection may be permitted by the Authority for a mobile home park, school, factory, apartment or other permanent multi-use building where individual units may not be subject to separate ownership.

#### Section 14.07.

All connections to the Sewage System must be done in conformance with the standard details as provided for in Article XVII of these Rules ("Standard Details") and such other specifications as may be from time to time provided by the Authority or the Operator. Failure to comply with the Standard Details as provided for in Article XVII of these Rules and such specifications will be grounds for denial of the right to make the connection or grounds to terminate service by disconnection of the service at the Owner's expense. When an Owner desires a change in location or size of an existing Service Lateral, the entire cost of the change must be borne by the Owner.

#### Section 14.08.

Not less than forty-eight hours (48) prior notice must be given to the Operator of the intent to complete a connection to the Sewer System under a permit issued under Section 14.04 of these Rules. No such connection is permitted to be completed until the work has been inspected on

behalf of the Authority by a Person retained by the Authority or the Operator for that purpose (the "Inspector"). If and when the connection is approved by the Inspector, such approval and the date thereof will be endorsed by the Inspector on the permit issued under Section 14.04 of these Rules. At the time of inspection, the Inspector must be given full and complete access to all relevant plumbing systems and facilities to be served by the connection. No Building Sewer is permitted to be covered or in any manner concealed until after it has been inspected and approved by the Inspector. If any Building Sewer is covered prior to completion of a required inspection, it must be uncovered at the sole expense of the Owner in order to permit completion of the inspection. It is intended that only one inspection be done for each connection; however, upon cause shown, an Owner may request more than one inspection, subject to such additional inspections fees as the Authority may determine.

#### Section 14.09.

Each Building Sewer must be installed not less than four (4) feet below the ground surface (unless otherwise approved by the Authority) and must not be covered until the connection, including the Building Sewer, has been inspected and approved. Any deficiencies must be corrected at the sole expense of the Owner. Neither the Authority nor the Operator assumes any responsibility to inspect or discover any deficiencies.

#### Section 14.10.

Except as otherwise provided in Article XVI of these Rules, pipe and fittings used for Building Sewers must comply with the following requirements:

- (a) No pipe smaller than 4 inches in diameter is permitted outside of a building.
- (b) No horizontal bend greater than 45 degrees can be used on the Building Sewer without the written consent of the Authority. Cleanouts are required at all bends of 45 degrees or greater and at 100 foot intervals.
- (c) All pipe and fittings must meet or exceed the following specifications:  
PVC (plastic) - PVC SDR 35, ASTM 3034, SCH 40. Piping under slab must be glued joint PVC SCH 40 and piping outside of building footprint must be gasketed joint SDR 35. All Building Sewers must be properly bedded on a 4 inch to 6 inch layer of tamped stone (2B, 2RC, 2A Modified, or as specified by the pipe manufacturer). Upon inspection and approval by the Inspector, the Building Sewer must be backfilled with at least 12 inches of 2B stone above the crown of the Building Sewer, and the remainder of the trench must be backfilled with suitable material. No flexible fernco couplings are permitted underground.
- (d) All pipe must be installed in compliance with the manufacturer's recommendations.

#### Section 14.11.

Building Sewers must be installed with a minimum slope of one quarter (1/4) inch per foot for 4 inch diameter pipe or one-eighth (1/8) inch per foot for 6-inch diameter pipe. All pipe must be

laid in a straight grade. All pipe must be laid with full and even bearing, and no block support will be allowed. Viewport or cleanouts must be a tee with a vertical riser pipe, so that the Authority or the Operator will be able to check for infiltration or inflow. When a connection is to be made to a Collection Sewer where a wye fitting or other type of connection point is not already present on the Collection Sewer, that connection must be made by the Operator or a contractor approved by the Authority who has posted a bond with the Authority. Where there is no wye fitting or other type of connection point, it is the Owner's responsibility to provide a wye fitting or other connection device approved by the Authority.

#### Section 14.12.

Cleanouts or viewports must be provided in each Building Sewer at 100 foot intervals to permit complete rodding with a fifty (50) foot long auger or tape. Such intervals must include the length of the Service Lateral. Cleanouts will also be required within five (5) feet upstream of every change in direction greater than 45 degrees and immediately upstream of the trap. Cleanouts must be constructed using a tee and riser to the ground surface. The riser pipe must be provided with a standard screw type ferrule and be watertight.

#### Section 14.13.

Commercial installations must also comply with all applicable laws, construction rules and regulations.

#### Section 14.14.

All costs and expenses of the construction of the Building Sewer, the Service Lateral and connection to a Collection Sewer must be borne by the Owner of the subject property. Each Owner must indemnify and save harmless the Authority and the Operator from all loss or damage which may be occasioned, directly or indirectly, as a result of construction or maintenance of the Building Sewer, the Service Lateral or the connection to the Collection Sewer.

#### Section 14.15.

An existing Building Sewer that served a previous Occupied Building on the subject property may be used to serve a new Occupied Building that is replacing the earlier Occupied Building only when it is found upon inspection by the Authority or the Operator to meet all applicable requirements as set forth in these Rules.

#### Section 14.16.

Installation, maintenance, replacement and removal of the Building Sewer will at all times be the sole responsibility of the Owner of the subject property. Unless otherwise specified in these Rules or unless the result of actions or inactions by or for the Owner of the subject property, installation, maintenance, replacement and removal of the Service Lateral will be the sole responsibility of the Authority or the Operator.

Section 14.17.

No repairs, alterations or additions to any connection to the Sewer System are permitted to be made unless first approved in writing by the Authority.

Section 14.18.

No Owner of property connected to the Sewer System through a Service Lateral is permitted to allow any other premises to use or be connected to that Service Lateral.

Section 14.19.

If any structure, vehicle, soil or other material or item is placed over, in or around any component of a Service Lateral, including, without limitation, a connection to a Building Sewer, in such manner as to hinder or prevent access to, or normal operation of, the component or that results in damage to the component, the Authority reserves the right to remove any such obstruction. In the event of such removal, neither the Authority nor the Operator will be liable for any damage caused by, related to or arising from such removal.

Section 14.20.

In the event of any violation of Section 14.19 of these Rules, the Owner will be responsible to pay to, and reimburse the Authority for, all costs and expenses incurred by the Authority or the Operator for removal under said Section 14.19, including, but not limited to, trenching, backfilling, cutting or replacing pavement, sidewalks or curbing, any municipal, county or state permits and any professional fees related to such removal. All such charges will be collectible by the Authority in any manner permitted by law and will constitute a municipal claim or lien against the subject Premises.

Section 14.21.

The Owner of the subject Premises must pay or reimburse the Authority for all costs and expenses incurred by the Authority or the Operator to relocate a Service Lateral if requested by the Owner, regardless of the location of the then-existing Building Sewer. Such costs and expenses will include, without limitation, those for permits, construction and professional fees related to the relocation of the Service Lateral.

Section 14.22.

If repair or replacement of a Building Sewer becomes necessary, the Service Lateral for that Building Sewer will remain at the same location unless: (a) the Authority, in its discretion, decides to relocate the Service Lateral; or (b) the Owner of the subject Premises requests that the Service Lateral be relocated. In the latter event, the Authority may, in its discretion, relocate the Service Lateral as requested, and the Owner will be solely responsible for all costs and expenses incurred by the Authority to relocate the Service Lateral and connect it to the repaired or replaced Building Sewer.

**ARTICLE XV**  
**Proposed Extensions of System by Developers and Others**

Section 15.01.

In order to obtain a preliminary review of a proposed extension of a Collection Sewer, a developer must submit to the Authority the following in writing: Name of developer; name of the Owner; the location of the property; size of the overall property; a general sketch drawn to scale with dimensions indicated thereon showing the location of the property and the general layout of the intended development, including on the sketch the location of roads, lot layouts, the approximate location of existing utilities, including gas, electric, water, sewers and any other utilities. The developer must submit such information (including the sketch) in triplicate. After receipt of such information, the Authority will advise the developer whether or not the Sewer System has sufficient capacity to accommodate the development, the location of existing Collection Sewers, the depth and location of existing manholes in the approximate area of the development and any other preliminary comments. The review will not in any way constitute authority for the developer, the Owner or anyone else to proceed with construction or to connect to the Sewer System.

Section 15.02.

An Owner requesting service requiring the extension of the Sewer System must pay such portion of the costs of the extension, including, but not limited to, labor, equipment, piping, fittings, manholes, pumps, any other necessary equipment or devices and all work incidental to such extension, including engineering fees, as the Authority may in its sole discretion determine.

Section 15.03.

All such extensions must be constructed under the supervision of the Authority or the Operator. At the time the connection is made to the Sewer System, all Collection Sewers and equipment appurtenant thereto will become the sole property of the Authority. No extension of a Collection Sewer will be made across private property without the Authority being first provided with a permanent easement for the Collection Sewer in a form satisfactory to the Authority. No extension of a Collection Sewer will be made before rough grading is completed in any new street. All extensions must be made at least to the middle point of frontage of the last lot or property to be served.

Section 15.04.

An Owner may request that sewer service be made available to the Owner's property by means of a private Sewer Lateral ("Private Sewer Lateral"). The Authority, in its sole discretion, may grant such request if it finds that the installation and use of the requested Private Sewer Lateral is not likely to hinder future expansion or operation of the Sewer System.

#### Section 15.05.

If a request for a Private Sewer Lateral is granted, it will be subject to the following conditions:

- (a) The Private Sewer Lateral will be the property of the Owner of the subject property.
- (b) The Owner must obtain all necessary easements for the Private Sewer Lateral, all of which must be permanent easements and must be recorded in the Office of the Recorder of Deeds prior to commencement of installation of the Private Sewer Lateral.
- (c) The Owner of the Private Sewer Lateral will be responsible for all costs and expenses related to the installation, maintenance, operation and replacement of the Private Sewer Lateral including, but not limited to, ensuring that the Private Lateral does not admit any Prohibited Water or any other unpermitted substance into the Sewer System.

#### Section 15.06.

A developer proposing an extension to the Sewer System must comply with all applicable planning procedures prescribed by the Pennsylvania Department of Environmental Protection (“DEP”).

#### Section 15.07.

In order to obtain final approval of an extension of the Sewer System, a developer must submit five (5) copies of plans for the proposed extension to the Authority on 24 inch x 36 inch sheets showing plan views to a scale of not greater than 1 inch = 50 feet and profiles to a scale of not greater than 1 inch = 10 feet vertically and 1 inch = 50 feet horizontally, a north point, a suitable title block, date and the name of the engineer or surveyor and imprint of the appropriate registration seal.

#### Section 15.08.

All components of the extension must be designed in accordance with the Sewerage Manual of the Pennsylvania Department of Environmental Protection, Division of Sanitary Engineering and these Rules.

#### Section 15.09.

Subject to the provisions of Article XVI of these Rules, all pipe must be a minimum of six (6) inches in diameter for Service Laterals and eight (8) inches in diameter for Collection Sewers and have a minimum laying length of not less than five (5) feet.

#### Section 15.10.

All manholes must be constructed in accordance with the Standard Details and such other specifications as may be from time to time provided by the Authority. Vented covers must be furnished at the ends of lines. Where determined necessary by the Authority, the developer must incorporate the use of grease traps in the sewer extension plans.

#### Section 15.11.

Prior to final acceptance of any extensions by the Authority, all manholes must be vacuum tested, and all pipes must be hydrostatically, pneumatically or smoke tested, televised or tested by other means as determined by the Authority for leakage at the discretion of, and in the manner required by, the Authority. Testing must be done at the developer's expense, and an agent of the Authority must be present when all testing is being done.

#### Section 15.12.

Within 90 days after the receipt of a request for approval of the proposed extension, or as soon as practicable thereafter, the Authority will either approve or disapprove the request. In order to be approved, the proposed extension must comply with all of the applicable provisions of these Rules and must be recommended for approval by the Authority's engineer. If the request is disapproved, the Authority or the Authority's engineer will provide the developer with the reasons for disapproval in reasonable detail and any requirements to have the request again considered by the Authority for approval.

#### Section 15.13.

Prior to the commencement of construction of an extension of the Sewage System, the Owner must execute and deliver a sewer extension agreement ("Extension Agreement") with the Authority. The Extension Agreement must be in such form and with such content as the Authority may reasonably require, including, but not limited to:

(a) A commitment from the Owner to offer to the Authority a deed of dedication for the Collection Sewers that are part of the extension (in such form as the Authority may reasonably require); and

(b) That the Extension Agreement may be specifically enforced by the Authority with the costs and expenses of any such enforcement, including reasonable attorney's fees, to be paid by the Owner.

#### Section 15.14.

Prior to final acceptance of any extensions by the Authority, the developer must furnish to the Authority "as built plans" showing the angle and distance between manholes, the top elevation and invert elevation of all pipes entering and exiting the manhole for each manhole, the exact location of all Service Laterals relative to the nearest manhole both downstream and upstream and any other information reasonably required by the Authority's engineer.

#### Section 15.15.

The developer must also reimburse the Authority in full for all costs and expenses of the Authority's Engineer for plan review and inspection of construction of the extension. The number and type of inspections required will be determined by the Authority.

Section 15.16.

No extension will be approved for use until the completed construction has been formally approved by the Authority, all applicable tap, connection and inspection fees have been paid in full and the Authority has been reimbursed in full for all engineering and inspection costs and expenses incurred by the Authority in connection with the extension.

Section 15.17.

In the event that an extension is not completed within the time specified by the Authority at the time of approval of the plans for the extension by the Authority, or if the extension is not properly completed, the Authority may give written notice to the developer in writing of such non-compliance. In the event that the developer fails to correct all deficiencies within the time specified by the Authority in the written notice, the Authority may take whatever measures are reasonably necessary to complete the extension in compliance with the approved plans at the sole cost and expense of the Owner, together with an additional ten percent (10%) thereof for administrative expenses, which sum may be collected from the Owner by the Authority.

Section 15.18.

The Authority will not accept ownership or control of any extension or any other sewer line, facility or appurtenance unless the Authority, in its sole discretion, determines that such line, facility or appurtenance complies with the then-current applicable standards and requirements of the Authority and with all other applicable laws, rules, regulations and orders.

**ARTICLE XVI**  
**Individual Service Pump Installations**

Section 16.01.

Where a property is to be connected to a Collection Sewer, and the connection cannot be made by means of a gravity Building Sewer, upon request of the Owner or if required by the Authority, the Authority will cause a service pump or grinder pump ("Service Pump") to be installed for the property and a pressure conduit ("Pressure Lateral") to be installed from the Service Pump to the Collection Sewer. Unless otherwise agreed to in writing by the Authority, the Owner will be responsible for reimbursing the Authority for all costs and expenses of purchasing, furnishing and installing the Service Pump and Pressure Lateral and all costs and expenses of purchasing, furnishing and installing replacements of the Service Pump or the Pressure Lateral . Notwithstanding any other provisions of these Rules, all piping and other appurtenances to the Service Pump will be installed in compliance with the manufacturer's specifications.

Section 16.02.

All costs and expenses for all necessary repairs, maintenance and replacement of a Service Pump or Pressure Lateral will be the sole responsibility of the Owner, but all work related to such repairs, maintenance and replacement must be performed by the Authority or the Operator or by a Person approved by the Authority.

Section 16.03.

Where the elevation of the lowest sewer service inside a structure is below the elevation of the connection to the Collection Sewer, or if the structure is connected to a pressurized Collection Sewer, it will be the Owner's responsibility to install and maintain, at the sole expense of the Owner, suitable backflow prevention devices between the structure and the Collection Sewer to prevent backflow. Under no circumstances will the Authority or the Operator be responsible for any backflow of sewage into the structure.

**ARTICLE XVII**  
**Standard Details**

Section 17.01.

Appended to these Rules are the Standard Details that must be used in the construction of Sanitary Sewers and appurtenances. Variations from the Standard Details may be permitted upon request of the Owner or the Owner's representative and the written approval of the Authority or the Operator and the Authority's engineer.

**ARTICLE XVIII**  
**Testing**

Section 18.01.

Prior to connecting any property to the Sewer System, the Owner must demonstrate, to the Authority's satisfaction, that the Building Sewer is in a watertight condition. The Authority may require testing of the Building Sewer by the Authority or the Operator in order to determine the condition of the Building Sewer. Charges and fees related to such testing will be as set forth in the Rate Schedule.

**APPENDIX "A"**  
**TO THE RULES AND REGULATIONS**  
**OF THE GENERAL AUTHORITY OF THE CITY OF FRANKLIN**  
**GOVERNING THE PUBLIC SANITARY SEWER SYSTEM**

**SCHEDULE OF ATTORNEY FEES**

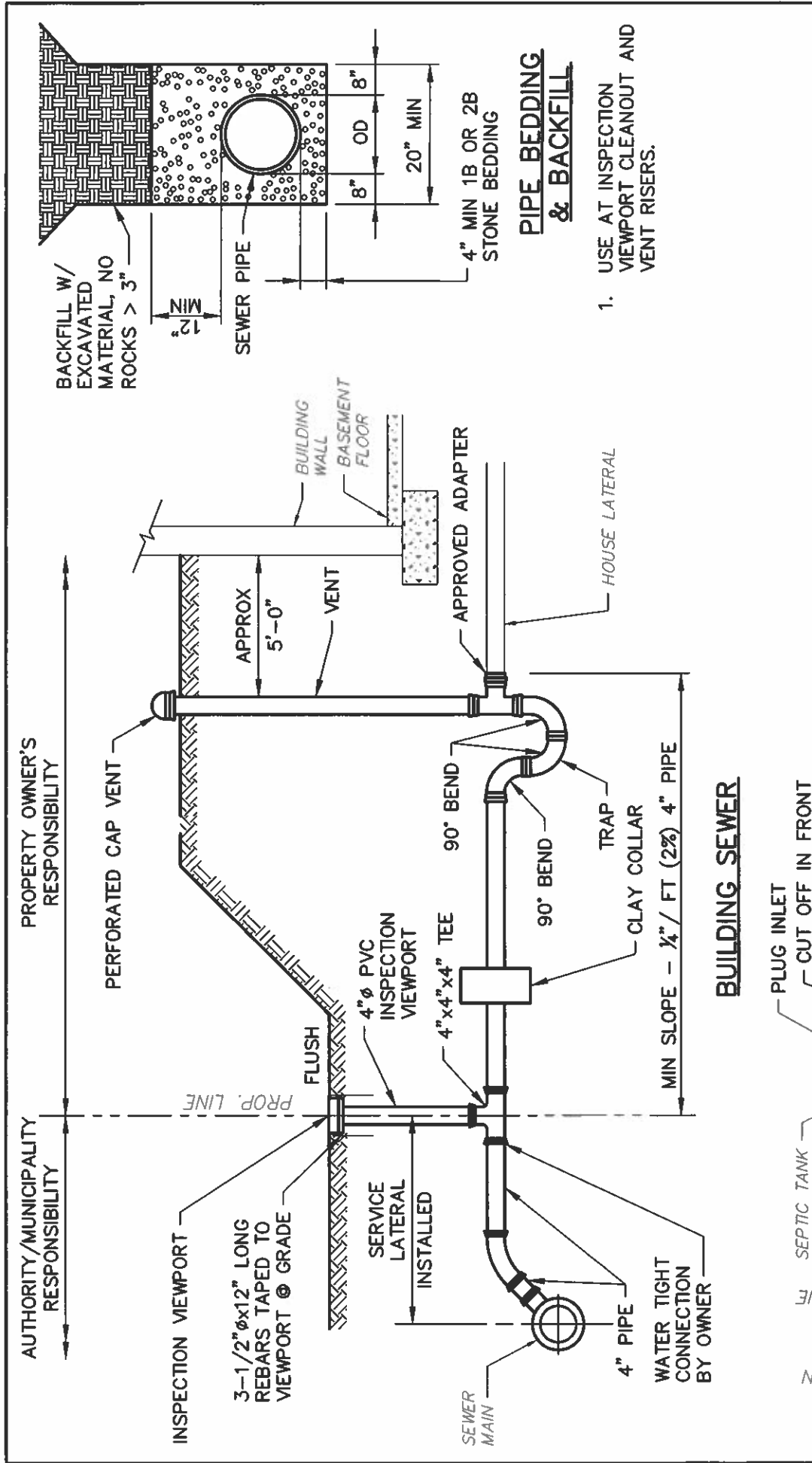
<u>Description</u>	<u>Fee</u>
Preparation and Filing of Municipal Lien Claim	\$300.00
Preparation and Filing of Satisfaction	\$125.00
Proceedings to Obtain Judgment on Lien Claim	\$175.00 per hour
Execution Proceedings	\$175.00 per hour
Other Collection Proceedings	\$175.00 per hour
Other Services Not Listed Above	\$175.00 per hour

SEWER SYSTEM  
STANDARD DETAILS

<u>Plate No.</u>	<u>Typical Detail Description</u>
I	Standard Service Connection to Sanitary Sewer
II	Building Sewer Connection Installation to Bypass Existing Septic Tank
III	Pipe Bedding
IV	Pre Cast Manhole
V	Grease Trap
VI	Precast Shallow Manhole
VII	Watertight Manhole Frame and Cover
VIII	Standard Manhole Frame and Cover
IX	Sewer Connection to Existing Sewer
X	Manhole Channel Orientation
XI	Drop Connection to Standard Manhole
XII	Standard Clean-Out
XIII	Typical Service Connection to New Collector Sewer
XIV	Out-of-Door Grinder Pump Installation
XV	Grinder Pump Discharge Connection to Gravity Sewer

XVI

Grinder Pump Discharge Connection to a Pressure Sewer Force Main



**GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN**

**STANDARD SERVICE CONNECTION  
TO SANITARY SEWER**

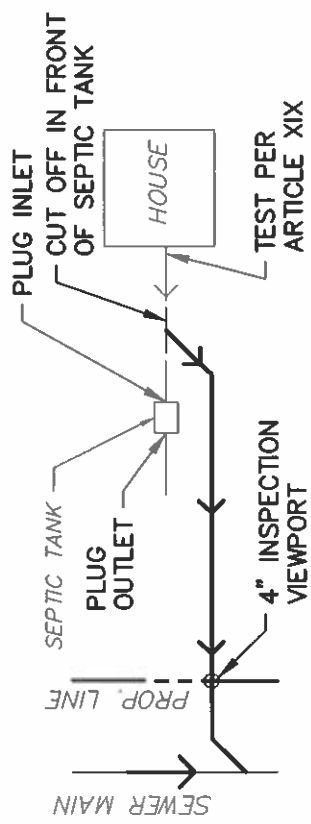
NOT TO SCALE

PLATE I

**PIPE BEDDING  
& BACKFILL**

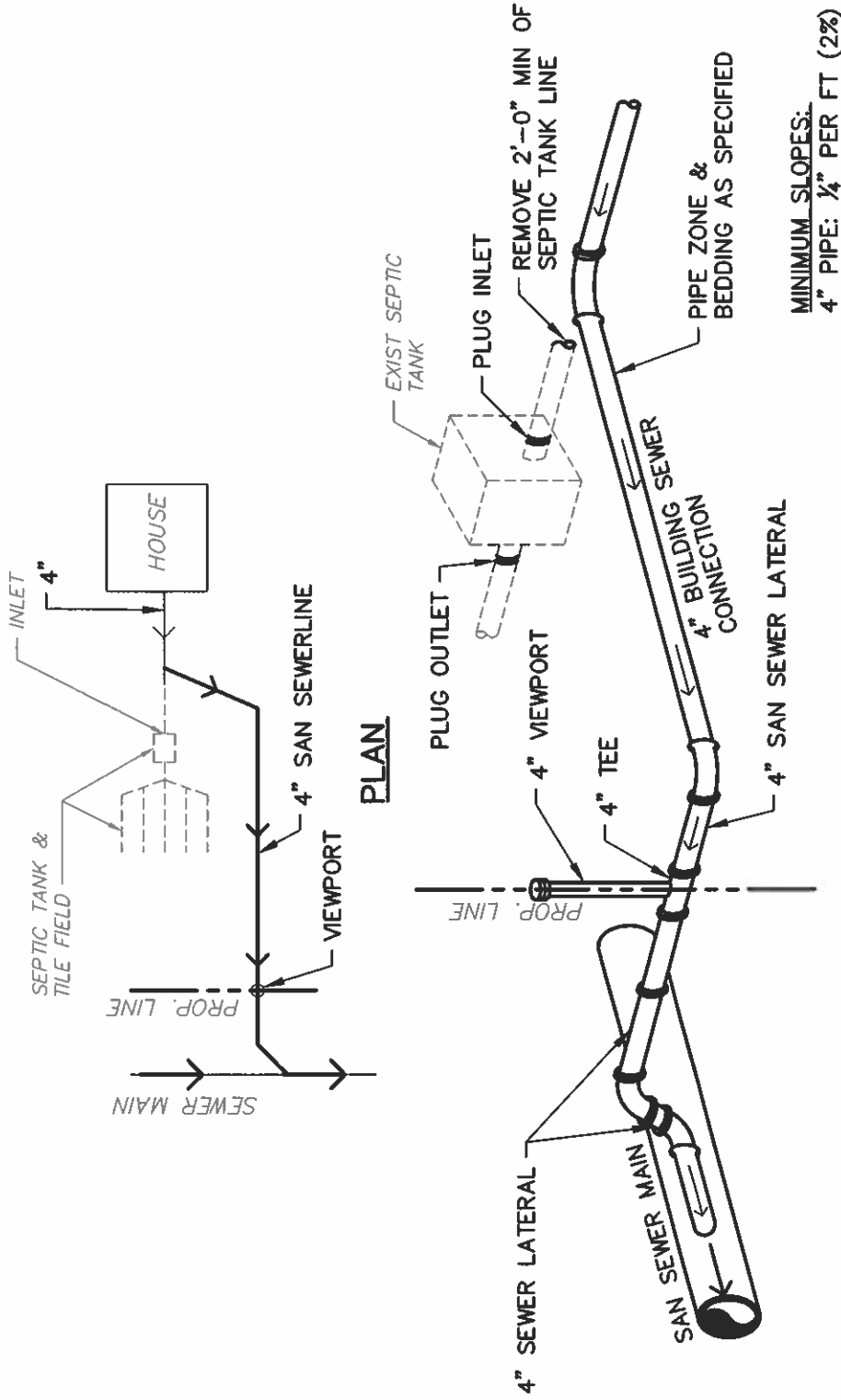
1. USE AT INSPECTION VIEWPORT CLEANOUT AND VENT RISERS.

**BUILDING SEWER**



**SEPTIC TANK BYPASS  
(IF APPLICABLE)**

TEST PER ARTICLE XIX



**GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN**

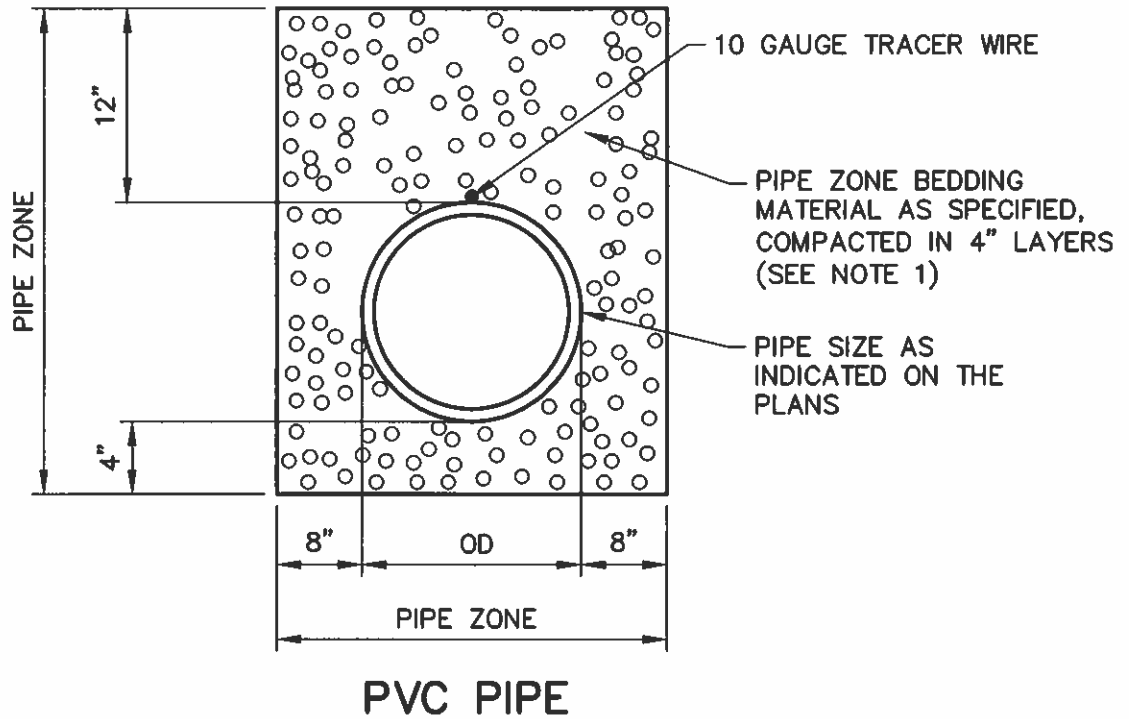
**BUILDING SEWER CONNECTION  
INSTALLATION TO BYPASS  
EXISTING SEPTIC TANK**

**NOTE:**

1. CLEANOUTS AS REQUIRED ON BLDG SEWER @ 100' INTERVALS.
2. SEE PLATE XII FOR MORE DETAILS.

NOT TO SCALE

PLATE II



**NOTE:**

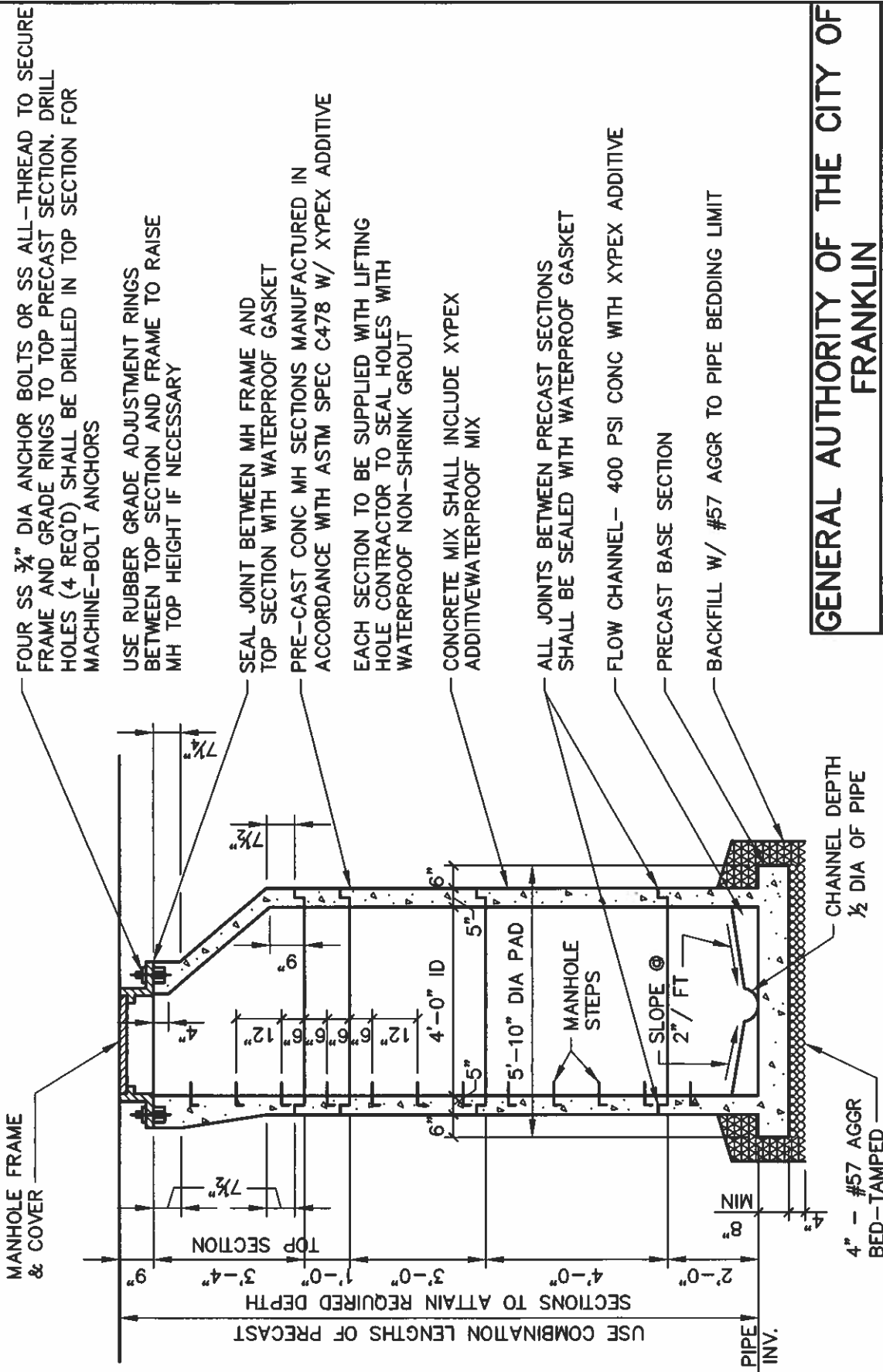
1. PIPE ZONE BEDDING SHALL BE NO. 57 (2B) OR NO. 8 (1A) LIMESTONE GRAVEL PER PENNDOT SPECIFICATIONS.

**GENERAL AUTHORITY OF THE CITY OF FRANKLIN**

**PIPE BEDDING**

NOT TO SCALE

PLATE III



FOUR SS 3/4" DIA ANCHOR BOLTS OR SS ALL-THREAD TO SECURE FRAME AND GRADE RINGS TO TOP PRECAST SECTION. DRILL HOLES (4 REQ'D) SHALL BE DRILLED IN TOP SECTION FOR MACHINE-BOLT ANCHORS

USE RUBBER GRADE ADJUSTMENT RINGS BETWEEN TOP SECTION AND FRAME TO RAISE MH TOP HEIGHT IF NECESSARY

SEAL JOINT BETWEEN MH FRAME AND TOP SECTION WITH WATERPROOF GASKET

PRE-CAST CONC MH SECTIONS MANUFACTURED IN ACCORDANCE WITH ASTM SPEC C478 W/ XYPEX ADDITIVE

EACH SECTION TO BE SUPPLIED WITH LIFTING HOLE CONTRACTOR TO SEAL HOLES WITH WATERPROOF NON-SHRINK GROUT

CONCRETE MIX SHALL INCLUDE XYPEX ADDITIVE WATERPROOF MIX

ALL JOINTS BETWEEN PRECAST SECTIONS SHALL BE SEALED WITH WATERPROOF GASKET

FLOW CHANNEL - 400 PSI CONC WITH XYPEX ADDITIVE

PRECAST BASE SECTION

BACKFILL W/ #57 AGGR TO PIPE BEDDING LIMIT

**GENERAL AUTHORITY OF THE CITY OF FRANKLIN**

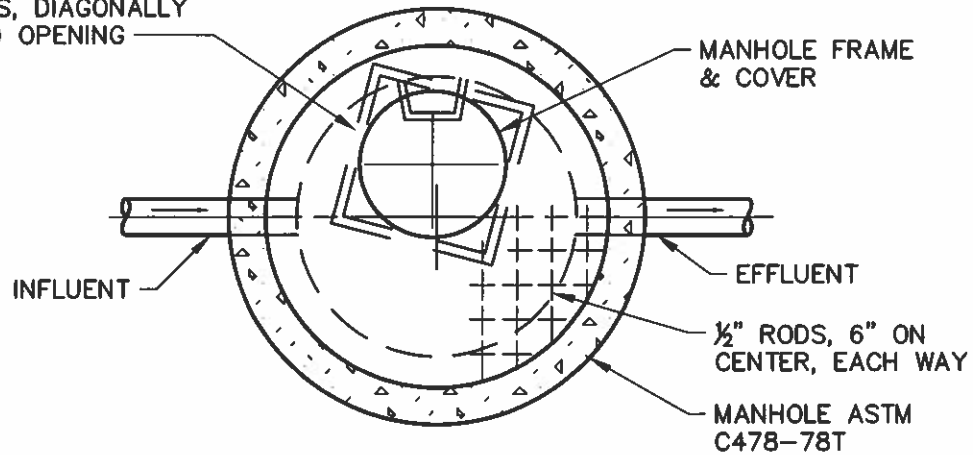
**PRE CAST MANHOLE**

NOT TO SCALE

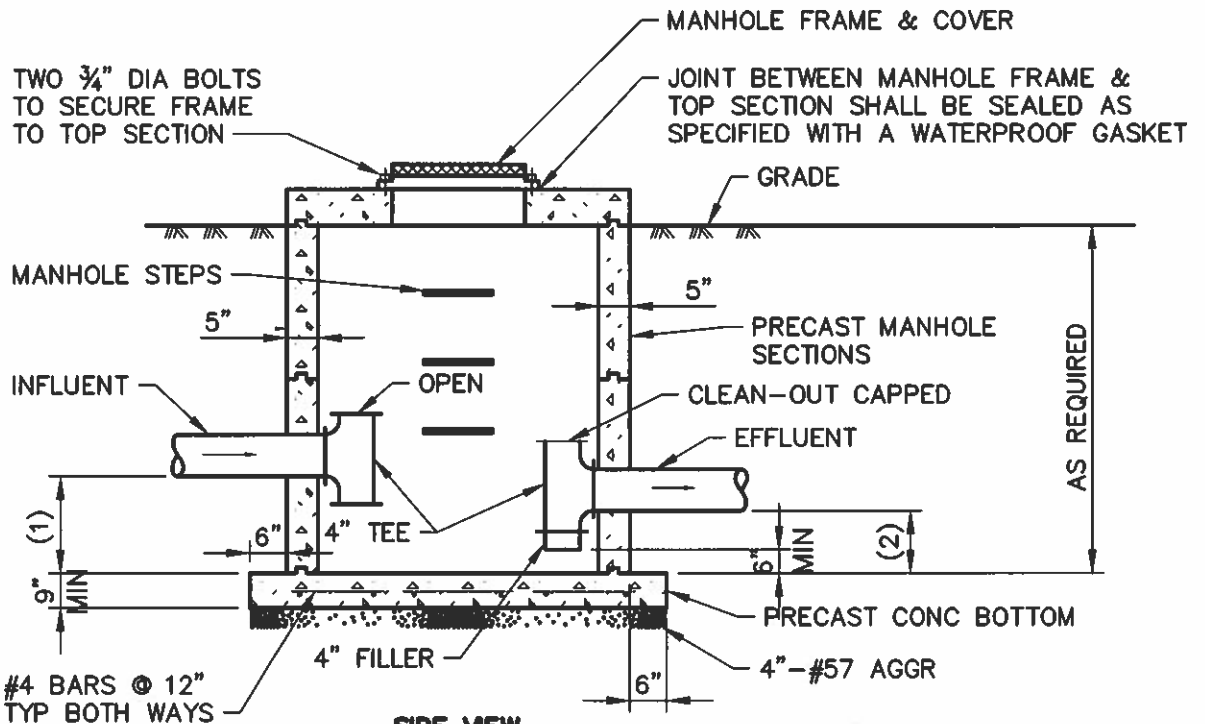
PLATE IV

- NOTES:**
- AT ALL PIPE PENETRATIONS AN INTEGRAL RUBBER GASKET SHALL BE CAST INTO THE PIPE OPENING OF PRECAST SECTIONS AT THE TIME OF MANUFACTURE. RUBBER GASKET TO CONFORM TO CONTRACT SPECIFICATIONS.

1/2" RODS, DIAGONALLY  
AROUND OPENING



**TOP VIEW**



**SIDE VIEW**

**4' DIA MANHOLE GREASE TRAP  
CAPACITY:**

100 GALLONS (1)=15" (2)=12"  
200 GALLONS (1)=27" (2)=24"  
300 GALLONS (1)=39" (2)=36"

**5' DIA MANHOLE GREASE TRAP  
CAPACITY:**

100 GALLONS (1)=11" (2)=08"  
200 GALLONS (1)=19" (2)=16"  
300 GALLONS (1)=27" (2)=24"  
400 GALLONS (1)=35" (2)=32"  
500 GALLONS (1)=43" (2)=40"

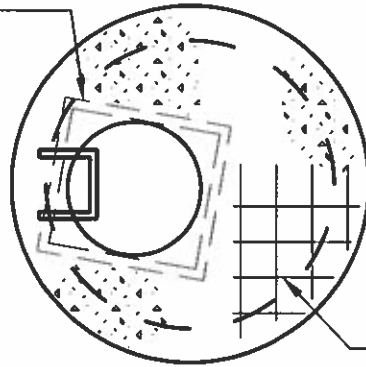
**GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN**

**GREASE TRAP**

NOT TO SCALE

PLATE V

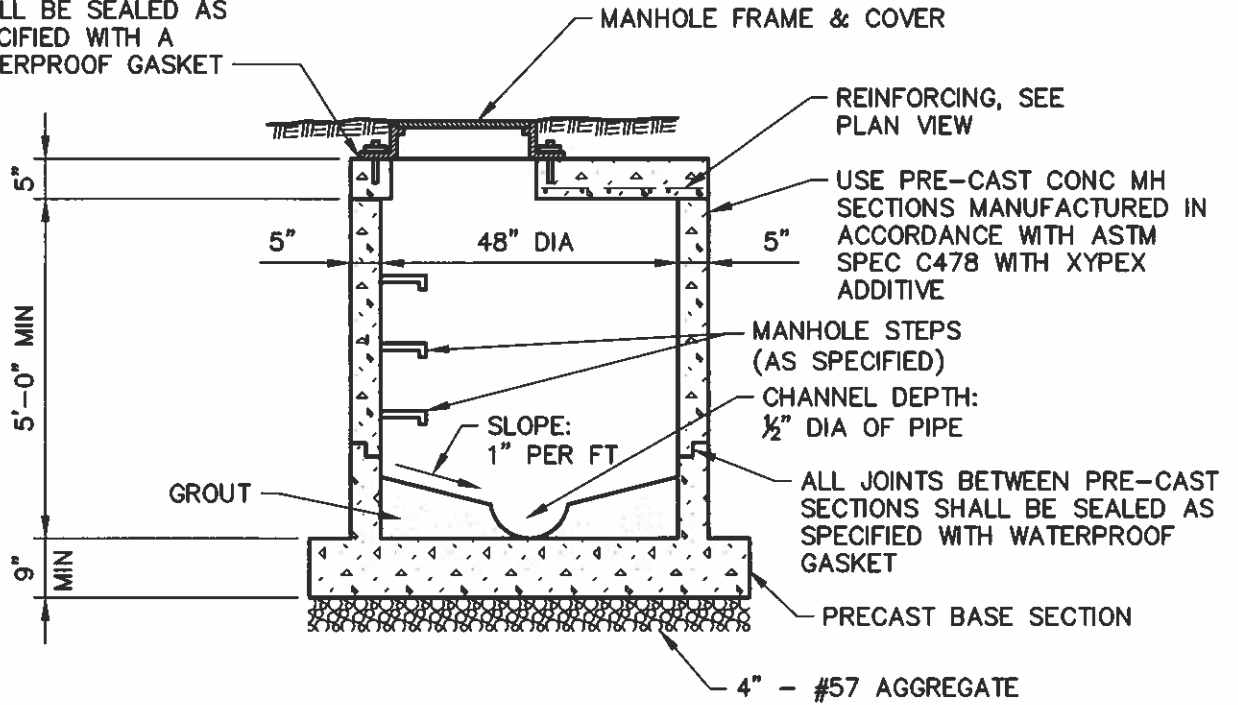
#4 BARS DIAGONALLY  
AROUND OPENING



#4 BARS @ 6" C/C  
(TYP BOTH WAYS)

**PLAN**

JOINT BETWEEN MANHOLE  
FRAME AND TOP SECTION  
SHALL BE SEALED AS  
SPECIFIED WITH A  
WATERPROOF GASKET



**SIDE VIEW**

**NOTE:**

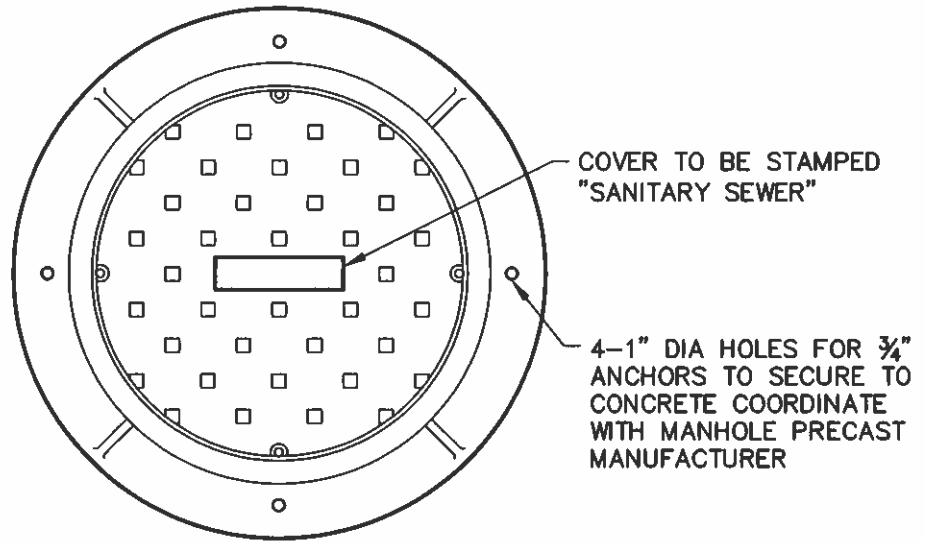
1. IN PAVED AREAS OR SHOULDERS, FLATTOP MUST BE DESIGNED FOR HS 25 LOADING.
2. SEE PLATE IV FOR ADDITIONAL REQUIREMENTS.

**GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN**

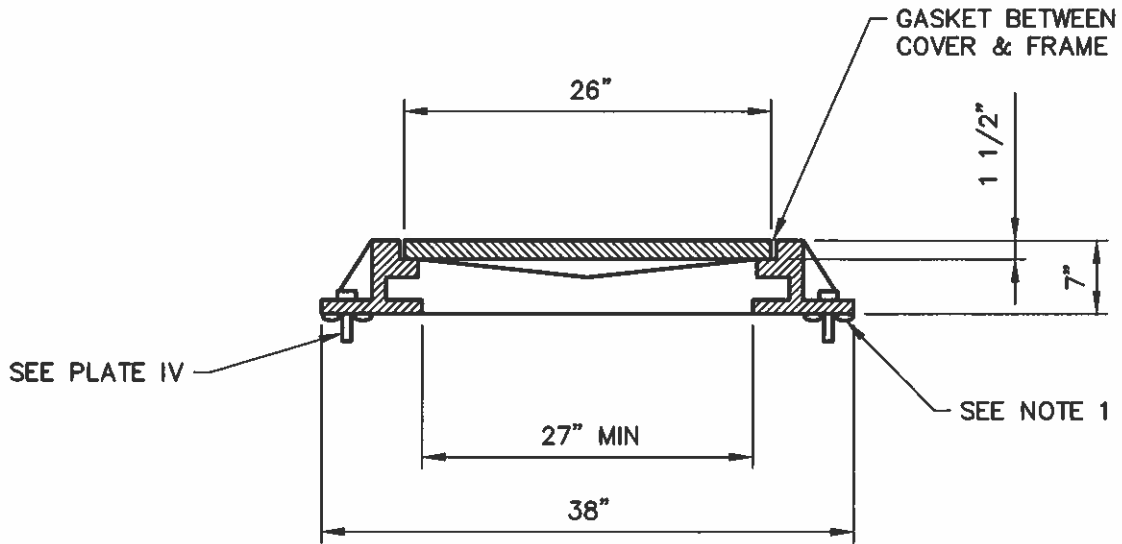
**PRECAST SHALLOW MANHOLE**

NOT TO SCALE

PLATE VI



**TOP VIEW**



**SECTION**

**NOTE:**

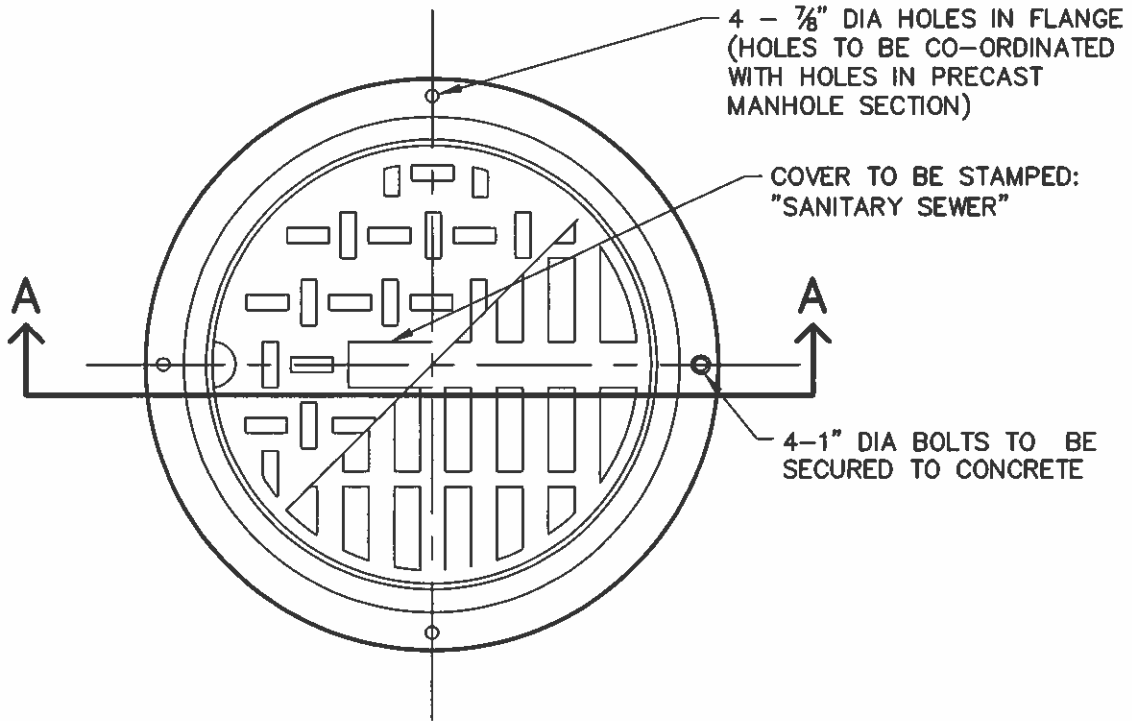
1. WATERPROOF GASKET TO BE INSTALLED BETWEEN FRAME AND CONCRETE SURFACE.
2. USE GRADE RINGS OF RECYCLED RUBBER, TAPERED AS NEEDED TO SET FRAME APPROX.  $\frac{3}{8}$ " TO  $\frac{1}{2}$ " BELOW STREET GRADE.

GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN

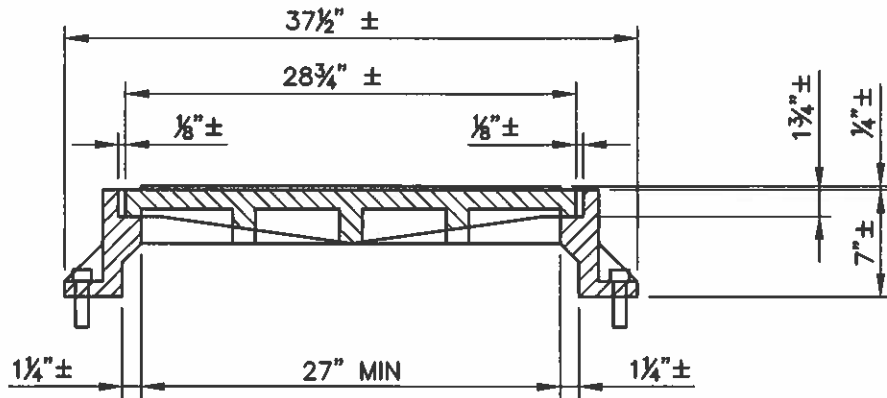
WATERTIGHT MANHOLE  
FRAME AND COVER

NOT TO SCALE

PLATE VII



**TOP VIEW**



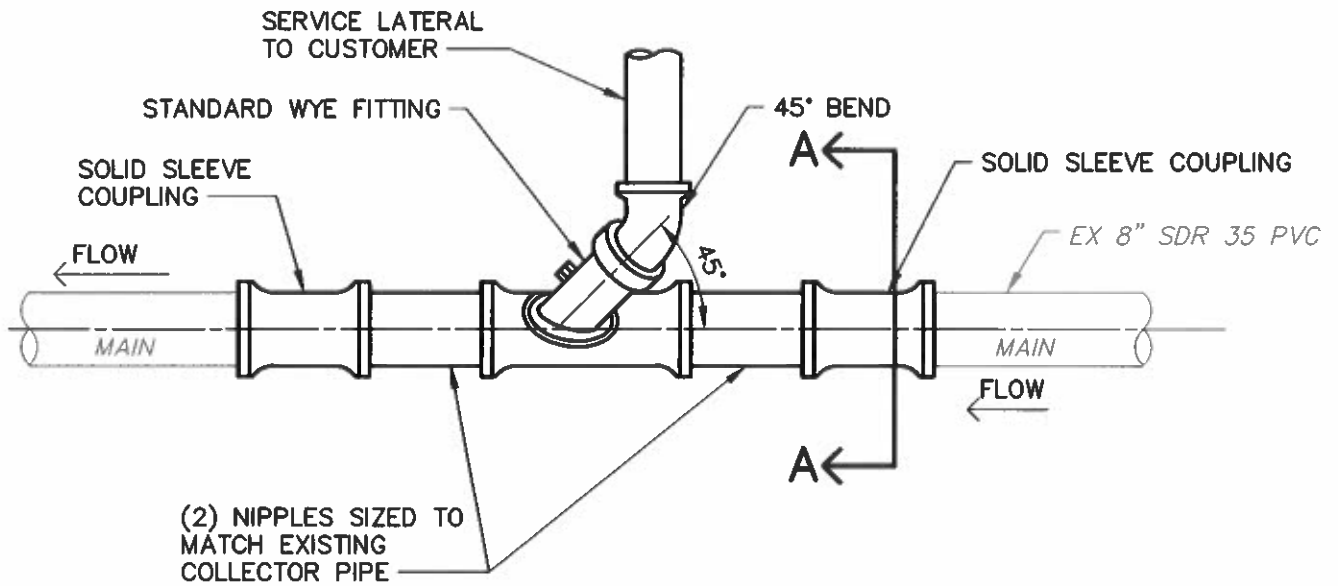
**SECTION A-A**

GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN

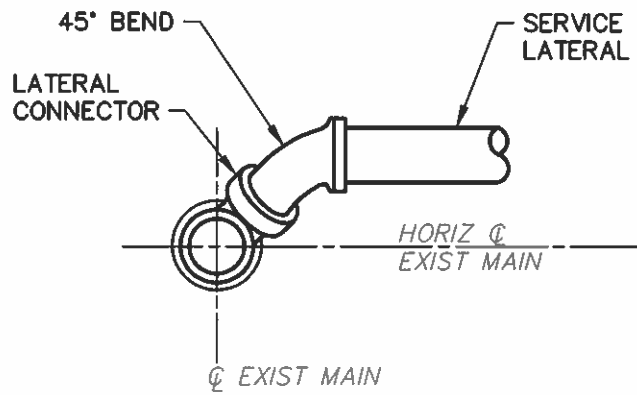
STANDARD MANHOLE  
FRAME AND COVER

NOT TO SCALE

PLATE VIII



**PLAN VIEW**



**VIEW A-A**

**NOTES:**

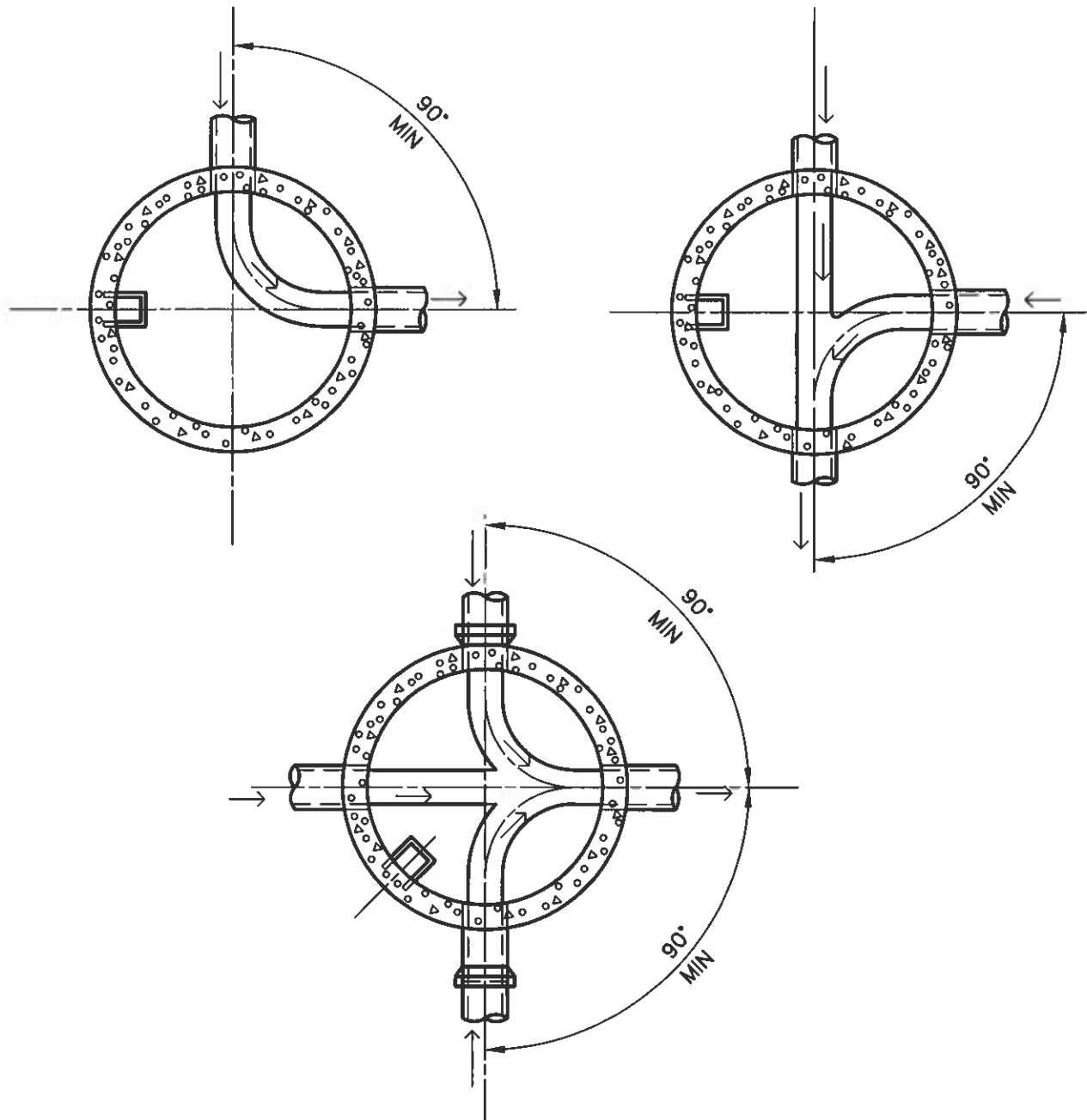
1. CARE SHOULD BE TAKEN TO NOT LET ANY DEBRIS ENTER THE SYSTEM WHEN INSTALLING THE FACILITIES.
2. PROPER ALIGNMENT OF COLLECTION MAIN TO BE MAINTAINED.

**GENERAL AUTHORITY OF THE CITY OF FRANKLIN**

**SEWER CONNECTION TO EXISTING SEWER**

NOT TO SCALE

PLATE IX



**NOTES:**

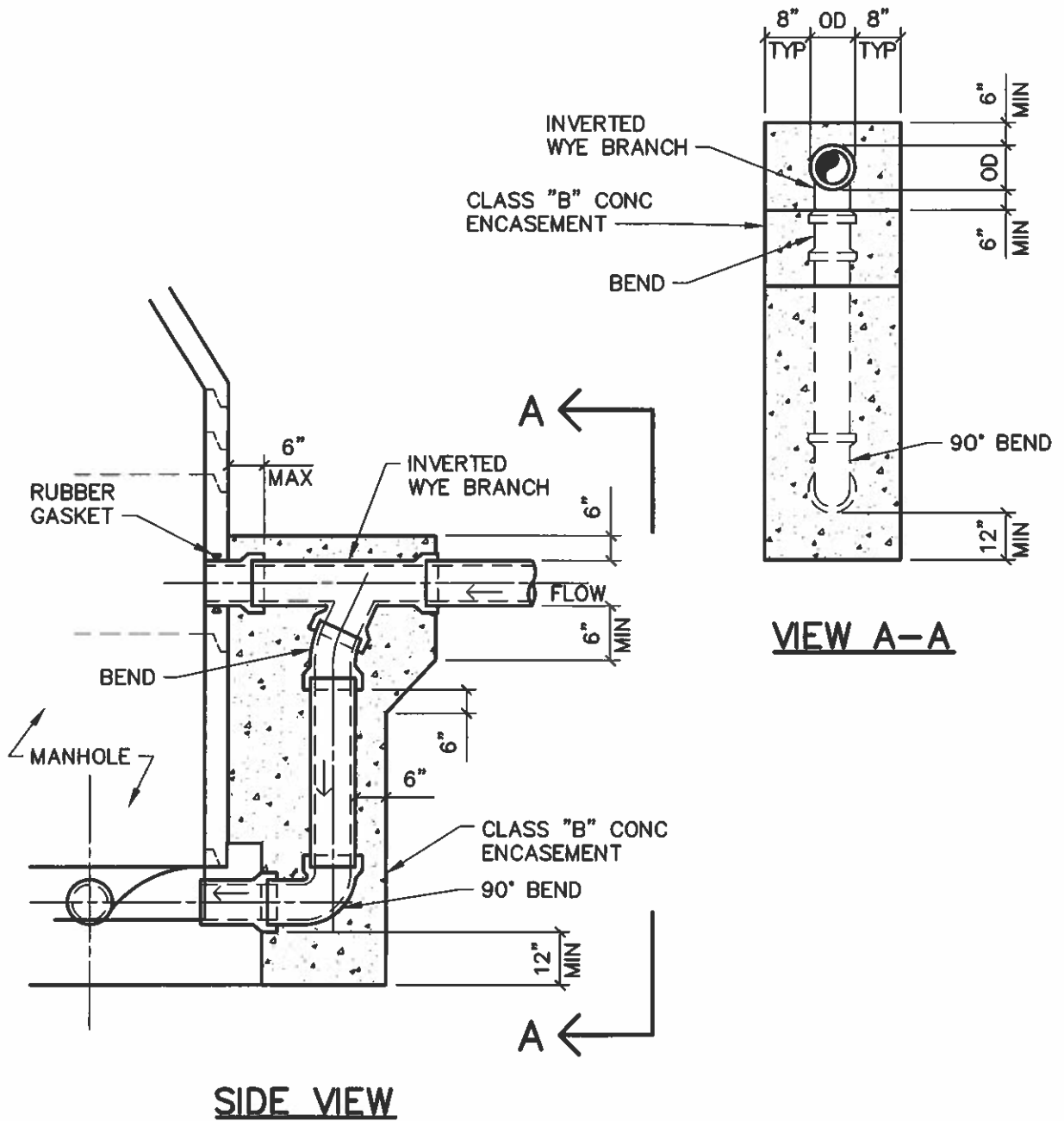
1. CHANNEL DEPTH TO EQUAL ONE HALF PIPE DIA.
2. SLOPE CONCRETE INVERT 1" PER FOOT TO CHANNEL.
3. RECONSTRUCT CHANNELS IN EX MANHOLES TO ACCOMMODATE NEW PIPE CONFIGURATIONS.
4. ALL CONNECTIONS TO BE RADIAL.
5. INCREASE MH ID WHEN SEWER SIZE > 12".

GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN

MANHOLE CHANNEL  
ORIENTATION

NOT TO SCALE

PLATE X

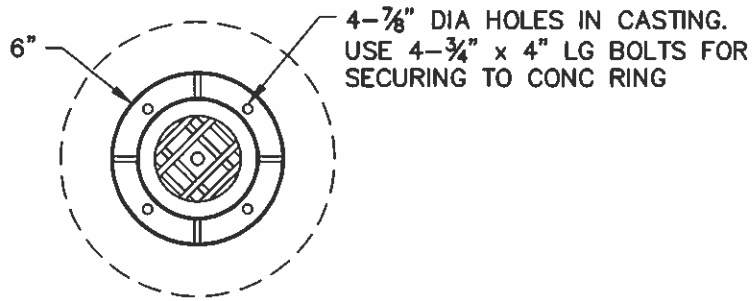


GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN

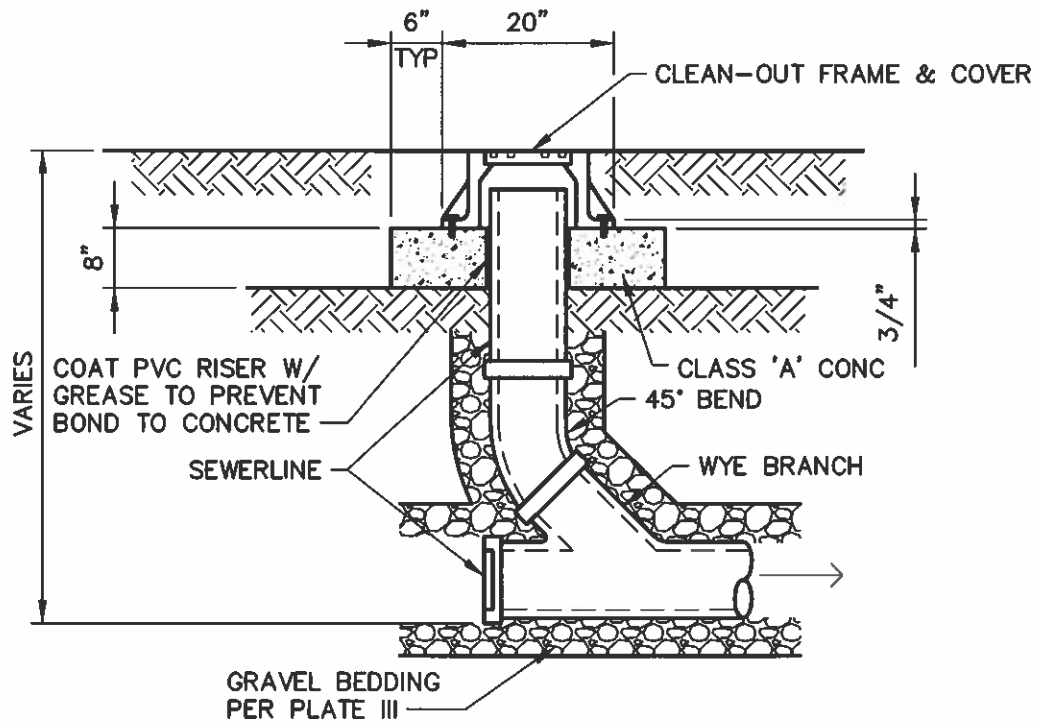
DROP CONNECTION TO  
STANDARD MANHOLE

NOT TO SCALE

PLATE XI



**TOP VIEW**



**SIDE VIEW**

**NOTE:**

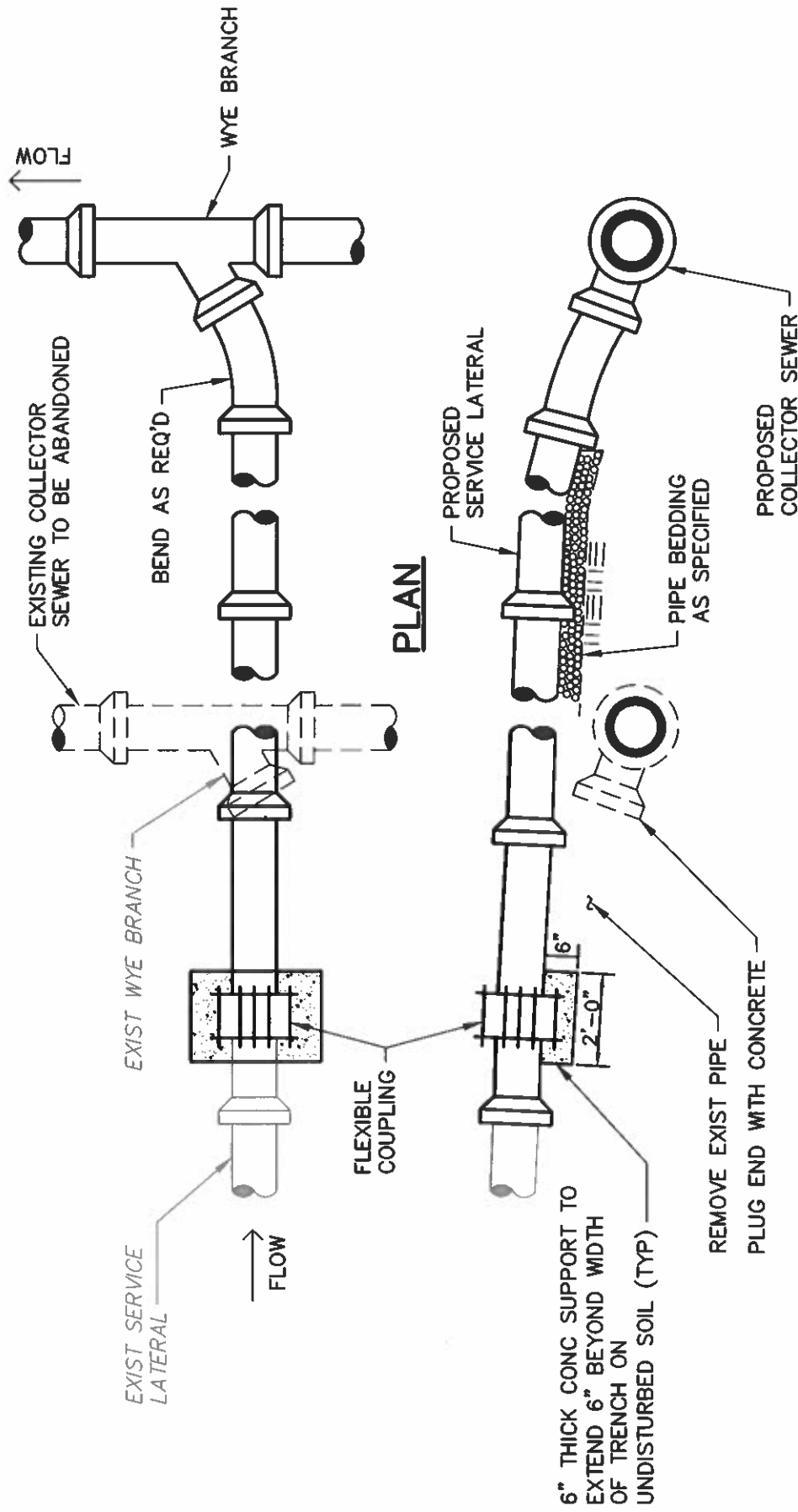
1. IF IN A TRAFFIC AREA - 36" COVER HAS TO BE PROVIDED TO TOP OF PIPE.
2. MOUNT  $\frac{3}{8}$ " -  $\frac{1}{2}$ " BELOW GRADE IN PAVED AREAS.

**GENERAL AUTHORITY OF THE CITY OF FRANKLIN**

**STANDARD CLEAN-OUT**

NOT TO SCALE

PLATE XII



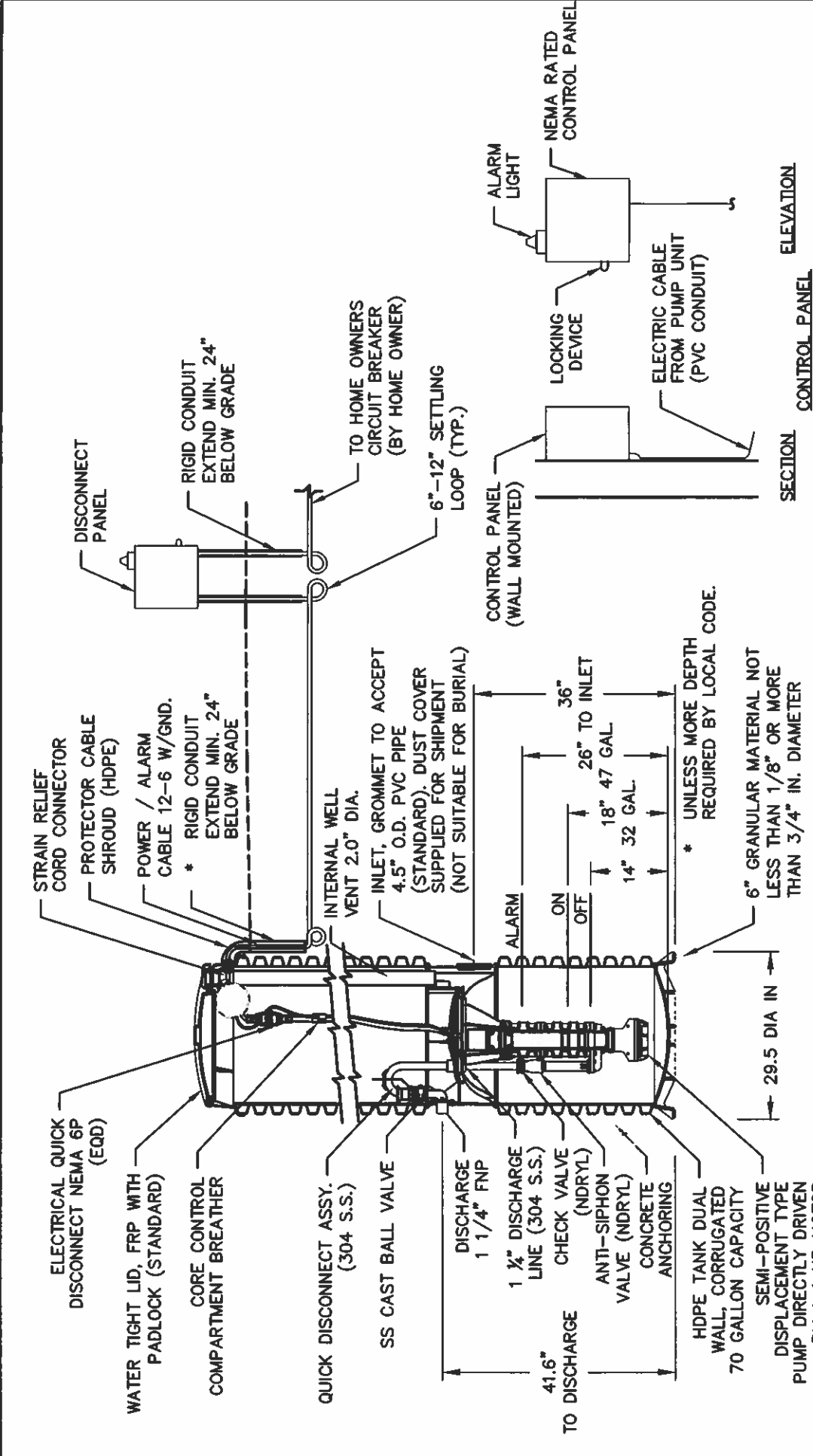
**PLAN**

**SECTION**

**NOTES:**

1. MINIMUM SLOPE:  $\frac{1}{8}$ " PER 1'-0" FOR 6" LATERAL,  $\frac{1}{4}$ " PER 1'-0" FOR 4" LATERAL.
2. CONNECTION TO SEWERS SHALL BE ENCASED IN CLASS 'C' CONCRETE. MIN OF 6" ON ALL SIDES AT COLLECTOR SEWER.
3. THIS DETAIL ONLY USED WHEN EXISTING COLLECTOR SEWER IS ABANDONED AND PROPERTY OWNERS ARE TO CONNECT TO NEW COLLECTION SEWER, AS DIRECTED BY AUTHORITY.

<b>GENERAL AUTHORITY OF THE CITY OF FRANKLIN</b>	
<b>TYPICAL SERVICE CONNECTION TO NEW COLLECTOR SEWER</b>	
NOT TO SCALE	PLATE XIII

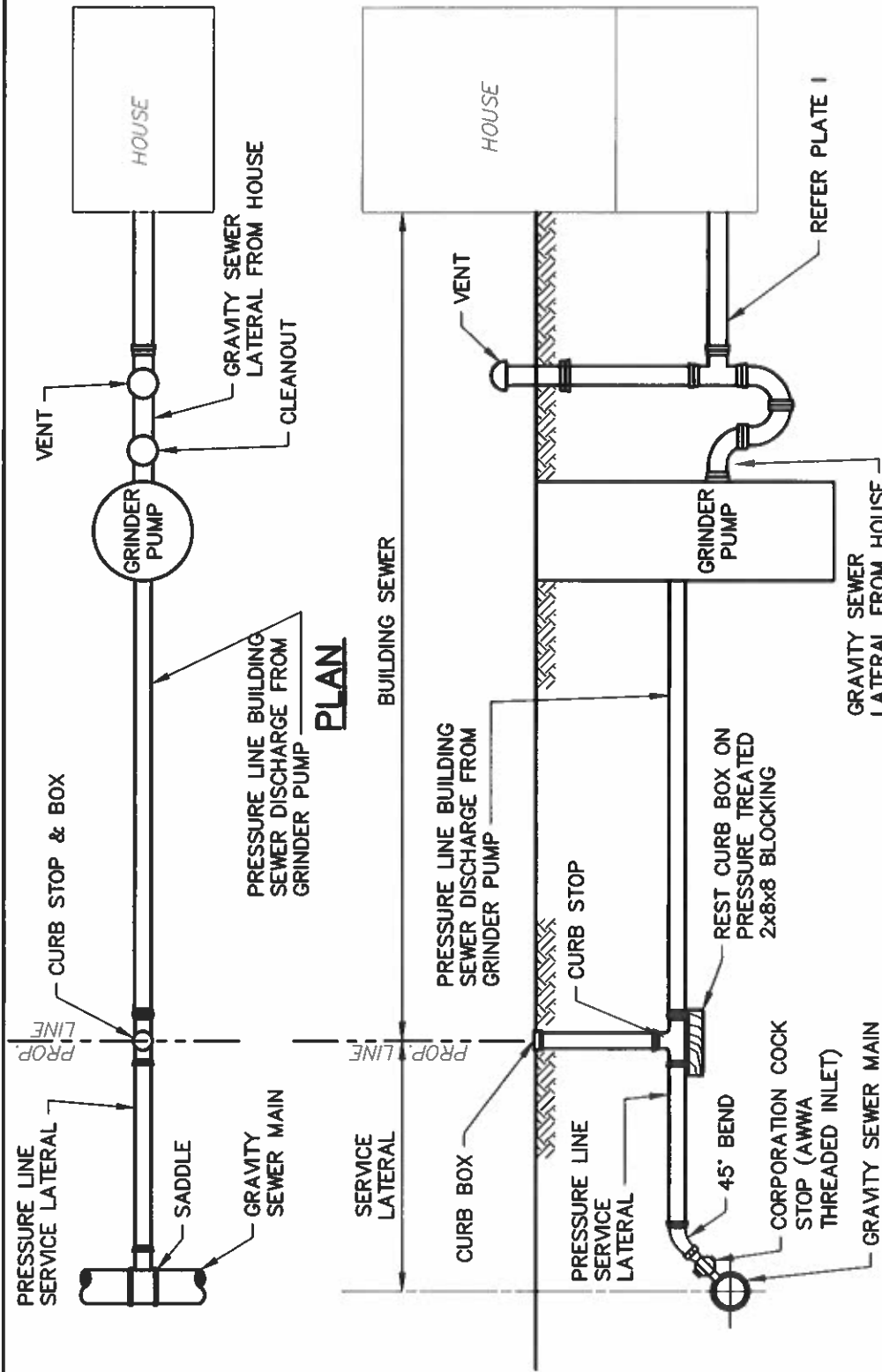


**GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN**

**OUT-OF-DOOR GRINDER PUMP  
INSTALLATION**

NOT TO SCALE

PLATE XIV

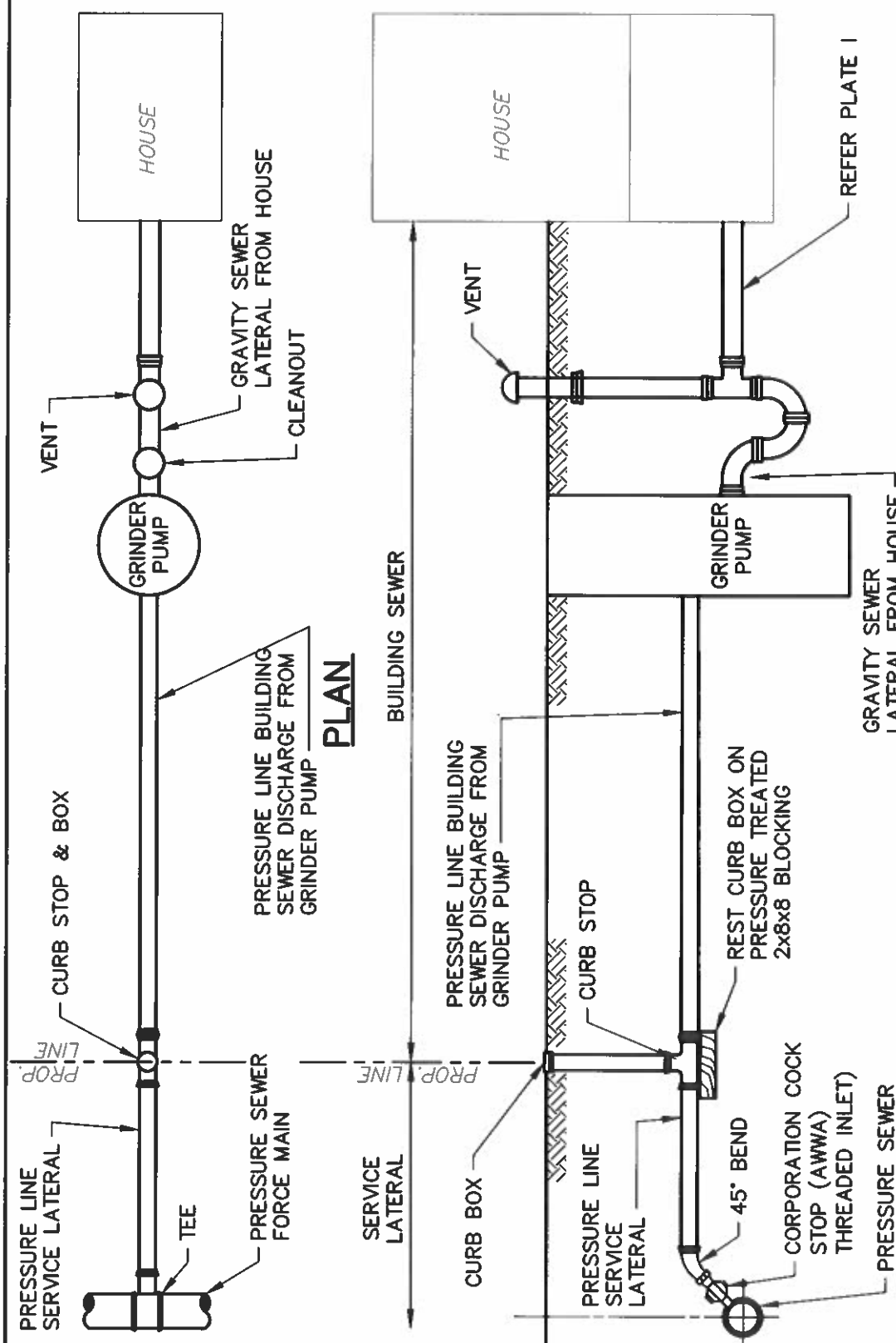


GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN

GRINDER PUMP DISCHARGE  
CONNECTION TO GRAVITY SEWER

NOT TO SCALE

PLATE XV



**PLAN**

**SECTION**

GENERAL AUTHORITY OF THE CITY OF  
FRANKLIN

GRINDER PUMP DISCHARGE  
CONNECTION TO A PRESSURE  
SEWER FORCE MAIN

NOT TO SCALE

PLATE XVI