

May 5, 2008

Paint Township Supervisors
1741 Basin Drive
Windber, Pennsylvania 15963

SEWER SYSTEM
RULES AND REGULATIONS
FINAL COPY

Dear Supervisors:

At the Township's February 2008 meeting, changes to the Township's Rules and Regulations were discussed. Enclosed is one (1) copy of the revised Final Rules and Regulations (Pages 1 through 31, complete with standard details) dated March 2008 that incorporate the changes and comments discussed at the meeting.

In addition, enclosed are:

1. Condensed Rules and Regulations for connections to **existing** collection sewers.
2. Condensed Rules and Regulations for connections to **new project** collection sewers.
3. Supplement to Condensed Rules and Regulations for **grinder pump unit** installations.
4. Application for building sewer connection permit.
5. The following standard forms:
 - a. Notice to Connect to Sanitary Sewer
 - b. Application for Late Connection to Sanitary Sewer
 - c. Payment of Tap Fee
 - d. Application and Agreement for Sewer Service (The Authority may want to consider having this form printed, so the customer could receive a carbon receipt with the original application being appended to the Building Sewer Connection Permit and kept on file).

THE EADS GROUP, INC. (Somerset)



by: Jeffrey S. Haynal, EIT

Enclosure

c.c.: File 6036 G-01, w/enc.
Township Supervisors, w/enc.
Michelle Tokarsky, w/enc.
Central File
6036/Administration/PaintTwp.

***Township of Paint
Somerset County, Pennsylvania***

***SEWAGE DISPOSAL SYSTEM
RULES AND REGULATIONS***

July 23, 1990

Revised March 2008

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RULES and REGULATIONS

ARTICLE 1 DEFINITIONS

Unless the context specifically indicates otherwise, the following words and terms used in these Rules and Regulations shall have the following meanings:

Section 101. Abnormal Industrial Waste shall mean any industrial waste having a suspended solid content or B.O.D. appreciably in excess of that normally found in municipal sewage. For the purpose of these regulations 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, shall be considered an abnormal industrial waste regardless of whether or not it contains other substances in concentrations differing appreciably from those found in municipal sewage.

Section 102. Authority shall mean Windber Area Authority.

Section 103. Board shall mean the elected members of the Board of Paint Township Supervisors, as now or hereafter constituted, and its duly authorized agents or representatives.

Section 104. B.O.D. of Sewage or Industrial Waste shall designate its "Biochemical Oxygen Demand" and shall mean the quantity of oxygen utilized in the biochemical oxidation of the organic matter in said sewage or industrial waste under standard laboratory procedure in 5 days at 20 degree C, or expressed in milligrams per liter by weight. It shall be determined by one of the acceptable methods described in the latest edition of "Standard Methods for the Examination of Water and Wastewater", published jointly by the American Public Health Association, the American Water Works Association, and the Water Pollution Control Federation.

Section 105. Building sewer shall mean the extension from the sewer drainage system of any structure to the service lateral of a collection system.

Section 106. Collection sewer shall mean the Township's collection sanitary sewers located under highways, roads, streets, and rights-of-way with branch service laterals that collect and convey sanitary sewage or industrial wastes or a combination of both and into which storm, surface and ground waters are not intentionally admitted.

Section 107. Connection Ordinance shall mean Ordinance No. 80 of the Township of Paint adopted June 19, 1989, as amended from time to time. In the event of any conflict with these Regulations, the provisions of the Connection Ordinance shall control over these Regulations.

Section 108. Equivalent Dwelling Unit (EDU) shall mean that amount as reflected in the currently adopted resolution of the Authority.

Section 109. Garbage shall mean solid wastes from the preparation, cooking and dispensing of food and from the handling, storage and sale of produce.

Section 110. Highland Authority shall mean the Highland Sewer and Water Authority located in Cambria County, Pennsylvania.

Section 111. Industrial Wastes shall mean any solid, liquid, or gaseous substance, or water-borne wastes from industrial processes or commercial establishments, as distinct from sanitary sewage.

Section 112. Municipalities shall mean the Borough of Windber, the Borough of Paint and the Township of Paint, all located in Somerset County, Pennsylvania, and the Borough of Scalp Level and the Township of Richland, both located in Cambria County, Pennsylvania.

Section 113. May is permissive. (See "shall" Section 126.)

Section 114. Natural Outlet shall mean any outlet into a watercourse pond, ditch, lake, or other body of surface or groundwater.

Section 115. Occupied Building shall mean any structure used for any continuous or periodic habitation, occupancy or use by human beings and from which structure sanitary sewage and industrial wastes, or either thereof, is or may be discharged.

Section 116. Owner shall mean any person vested with ownership, legal or equitable, sole or partial of any real estate or structure.

Section 117. Person shall include natural persons, partnerships, associations and corporations, public or private.

Section 118. pH shall mean the logarithm to the base 10 of the reciprocal of the hydrogen ion concentration expressed in moles per liter. It shall be determined by one of the acceptable methods described in the latest edition of "Standard Methods for the Examination of Water and Wastewater", cited above.

Section 119. Premises Accessible to the Public Sanitary Sewage System shall mean any real estate abutting on or adjoining or having access to any street, alley or right-of-way in which a sewer is located which ultimately connects to the Township's and/or Authority's sewage disposal system.

Section 120. Properly Shredded Garbage shall mean the wastes from the preparation, cooking and dispensing of food and from the handling, storage and sale of produce that have been shredded to such degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half inch (1/2") in any dimension.

Section 121. Public Sanitary Sewage System (sometimes called the "Sewer System") shall mean all sanitary sewers, all pumping stations, all force mains, all sewage treatment works, and all other sewage facilities owned and operated by the Authority (the Authority's sewage disposal system), the Township of Paint and/or, where applicable, other municipalities of the Windber Area Authority system, for the collection, transportation and treatment of sanitary sewage and industrial wastes, together with the appurtenances, and any additions, extensions or improvements thereto. It shall also include sewers within the Township or the Authority's service area which serve one or more persons and discharge into the public sanitary sewer system even though those sewers may not have been constructed by the Authority, and/or Township, and/or the Municipalities, and are not owned or maintained by the Authority, and/or the Township, and/or the other Municipalities. It does not include separate storm sewers or culverts which have been constructed for the sole purpose of carrying storm and surface runoff, the discharge from which is not and does not become tributary to the Authority's sewage treatment facilities.

Section 122. Sanitary Sewage shall mean the normal water-carried household and toilet wastes from residences, business buildings, institutions, industrial and commercial establishments, exclusive of storm water runoff, surface water and groundwater.

Section 123. Sanitary Sewer shall mean a sewer which carries sewage and to which storm, surface and ground waters are not intentionally admitted.

Section 124. Service Lateral shall mean that part of the sewer system extending from a collection sewer to the property line, or, if no such service lateral shall be provided, then Service Lateral shall mean that portion of, or place in, a collection sewer which is provided for connection of any building sewer.

Section 125. Sewage shall mean a combination of water-carried wastes from residences, business buildings, institutions, and industrial and commercial establishments, together with such ground, surface or storm water as may be present.

Section 126. Sewer shall mean a pipe or conduit for carrying sewage.

Section 127. Sewer System. Refer to definition of Public Sanitary Sewage System (Section 119).

Section 128. Shall is mandatory. (See "may", Section 111).

Section 129. Storm sewer shall mean a sewer which is intended to carry storm water runoff, surface waters and groundwater drainage but which is not intended to carry any sanitary sewage or polluted industrial waste.

Section 130. Storm Water Runoff shall mean that portion of the rainfall which reaches a channel, trench, sewer or sink.

Section 131. Suspended Solids shall mean solids that either float on the surface or are in suspension in water, sewage, industrial waste or other liquids, and which are removable by laboratory filtration. The quantity of suspended solids shall be determined by one of the acceptable methods described in the latest edition of "Standard Methods for the Examination of Water and Wastewater", cited above.

Section 132. Township mean the Township of Paint.

Section 133. Unpolluted Water or Waste shall mean any water or waste containing none of the following: free or emulsified grease or oil; 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. It shall contain not more than 1,000 milligrams per liter by weight of dissolved solids of which not more than 250 milligrams per liter shall be as chloride and not more than 10 milligrams per liter each of suspended solids and B.O.D. The color shall not exceed 50 color units. Analyses for any of the above mentioned substances shall be made in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", cited above.

Section 134. Water Authority shall mean the Authority and/or any publicly or privately owned duly authorized agency, corporation or organization which is the approved purveyor of the public water supply within the limits of the service area of the sewage disposal system of the Authority and/or Township, and/or other municipalities.

Section 135. Watercourse shall mean a channel in which a flow of water occurs, either continuously or intermittently.

ARTICLE II DISCHARGE OF SANITARY SEWAGE TO PUBLIC SANITARY SEWAGE SYSTEM REQUIRED

Section 201. All persons owning any occupied building now erected within the service area of the sewage disposal system of the Authority or Township service area of the sewage disposal system of the Authority or Township upon premises accessible to the public sanitary sewage system shall, at their own expense, make connection with the public sanitary sewage system in accordance with the applicable Connection Ordinance of the Township of Paint if they are not presently so connected.

Section 202. All persons owning any premises within the service area of the sewage disposal system of the Authority or Township accessible to the public sanitary sewage system upon which an occupied building is subsequently erected shall, at the time of erection of such building, and at their own expense, make connection with the public sanitary sewage system in accordance with the applicable Connection Ordinance of the Township of Paint.

Section 203. All persons owning any occupied building within the service area of the sewage disposal system of the Authority or Township upon premises which subsequently become accessible to the public sanitary sewage system shall, at their own expense, make connection with the public sanitary sewage system within the time period stipulated after proper notice to do so has been given in accordance with applicable law.

Section 204. All connections to the public sanitary sewage system shall be made in accordance with Article X hereof.

Section 205. No connection will be allowed with any cesspool, privy vault, septic tank, cistern or other depository. Such depositories, at a time of connection of the building to the sewer system, must be disconnected, with the inlet and outlet pipe capped with watertight seal. Any applicable state and township regulations pertaining to disposition of septic tanks must also be complied with. The Township recommends, but does not require, that any abandoned septic tank be pumped out and refilled with sand, gravel or earth.

ARTICLE III

EXCLUSION OF STORM WATER RUNOFF

Section 301. The discharge of storm water runoff, surface water, groundwater, subsurface drainage, uncontaminated cooling water, downspouts and unpolluted industrial process water to sanitary sewers is prohibited.

Section 302. All persons connecting to the public sanitary sewage system shall provide and maintain adequate means for excluding water listed in Section 301 from the sanitary sewer.

Section 303. No person connected to a sanitary sewer shall connect any roof drain or foundation drain thereto or permit any such drains to remain connected thereto, nor shall he permit, allow or cause to enter into any sanitary sewer any spring water, surface water or unpolluted water from any other source.

Section 304. Connection to the sanitary sewer system may be denied if building drain shows presence of storm, surface, ground or other water.

Section 305. Owners of buildings already connected to the system where presence of storm, ground or other water source listed in Section 301 is detected shall be notified to correct condition within ninety (90) days and must be inspected by a representative of the Township and/or Authority. Failure to correct shall result in the Township and/or Authority taking such corrective action as deemed necessary by the Township and/or Authority. The cost and expense of the owners, together with ten percent (10%) additional thereof and all charges and expenses incidental thereto, which sum shall be collected from said owner or owners for the use of the Township and/or Authority as debts are by now collectible.

Section 306. All sump pumps shall have discharge permanently piped to exterior of building using metal or plastic pipe. Sump pumps shall not discharge storm, surface, ground, or other water prohibited herein into the sanitary sewer system either directly or indirectly.

ARTICLE IV

ADMISSION OF INDUSTRIAL WASTES TO PUBLIC SANITARY SEWAGE SYSTEM

Section 401. In general, any and all industrial wastes may be discharged to the public sanitary sewage system except those which are deemed harmful to the system or are specifically prohibited by these Rules and Regulations or those of the Authority. However, it is also recognized that the treatment of abnormal industrial wastes may add to the cost of operating and maintaining the public sanitary sewage system. Such additional cost must therefore be borne by the person or persons receiving the benefit of such treatment.

Section 402. The Authority has reserved and the Township reserves the right to refuse connection to the public sanitary sewage system for deleterious industrial wastes, or to compel discontinuance of the use of the system for such wastes, or to require pretreatment and/or equalization of flow thereof in order to prevent harmful or adverse effects upon the system. The design, construction and operation of such pretreatment and/or flow equalization facilities shall be made at the sole expense of the person discharging said wastes and shall be subject to the approval of the Township and/or Authority or its designated representative.

Section 403. In general, industrial waste shall be considered harmful to the public sanitary sewage system if it may cause any of the following damaging effects:

- A. Chemical reaction either directly or indirectly with the materials of construction of the public sanitary sewage system in such a manner as to impair the strength or durability of any sewage structures.
- B. Mechanical action that will destroy any sewage structures.
- C. Restriction of the hydraulic capacity of any sewage structures.
- D. Restriction to the normal inspection or maintenance of any sewage structure.
- E. Danger to public health and safety.
- F. Obnoxious conditions inimical to the public interest.
- G. Substances that are toxic to the normal biological activity required to treat domestic sewage.

Section 404. Any person discharging to the public sanitary sewage system any industrial wastes, or industrial wastes and sanitary sewage together, shall install a suitable manhole or manholes or metering chamber on his connecting sewer or sewers to facilitate observations, sampling and measurement of the combined flow or wastes from his premises. Such manhole or manholes or metering chamber shall be accessible and safely located and shall be constructed in accordance with plans approved by the Township and/or Authority or its designated representative. The manhole or manholes or metering chamber shall be installed by such person at his expense and shall be maintained by him so as to be safe and accessible to the Township and/or Authority or its designated representative at all times. The construction and maintenance of such manhole or metering chamber shall be mandatory for the producers of abnormal industrial wastes, and if deemed necessary by the Township and/or Authority flows from such manhole or metering chamber shall be continuously monitored, transmitted and recorded by means of an approved receiving device to be located at the treatment plant or elsewhere as determined by the Township and/or the Authority.

Section 405. Grease, oil, coal and sand tank interceptors shall be provided when, in the opinion of the Township or Inspector, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the Township and/or Authority and shall be located as to be readily and easily accessible for cleaning and inspection.

ARTICLE V

UNACCEPTABLE SANITARY SEWAGE AND INDUSTRIAL WASTES

Section 501. The discharge of excessive amounts of unpolluted water or waste to a sanitary sewer is (as reasonably determined by the Authority) prohibited. However, such discharges to storm sewers will be permitted wherever such storm sewers are of adequate capacity. The Township and/or Authority reserves the right to define the amount it deems excessive in each particular instance.

Section 502. The discharge of garbage to the public sanitary sewage system is expressly prohibited unless the garbage is properly shredded garbage.

Section 503. No sanitary sewage or industrial waste from any property other than that for which a permit has been issued as provided in Article X hereof shall be discharged to the public sanitary sewage system.

Section 504. Section 504. No person shall discharge to the public sanitary sewage system any sanitary sewage or industrial waste having any of the following characteristics:

- A. Wastes containing liquids, solids or gases which by reason of their nature or quality may cause fire, explosions, or be in any other way injurious to persons, the structures of the public sanitary sewage system or its operation.
- B. Wastes having a temperature in excess of 150 degrees F or less than 32 degrees F.
- C. Wastes having a pH lower than 5.5 or higher than 9.0 or having any corrosive properties capable of causing damage or hazards to structures, equipment or personnel of the public sanitary sewage system. Where the Township and/or Authority deems it advisable, it may require any person discharging industrial wastes to install and maintain, at his own expense, in a manner approved by the Township and/or Authority or its designated representative, a suitable device to continuously measure and record the pH of the wastes so discharged.
- D. Wastes containing any noxious or malodorous gas or substance which either singly or by interaction with sewage or other wastes is, in the opinion of the Township and/or Authority, likely to create a public nuisance or hazard to life, or prevent entry to sewage structures for their maintenance and repair.
- E. Wastes containing ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, hair, chemical or paint residues, greases, lime slurry or viscose materials of such character or in such quantity that, in the opinion of the Township and/or Authority, they may cause an obstruction to the flow in the sewers or otherwise interfere with the proper operations of the public sanitary sewage system. Attention is called to the fact that the maximum permissible concentration will vary throughout the public sanitary sewage system depending upon the size of the particular interceptor sewer receiving the same and the flows therein.
- F. Wastes containing insoluble, non-flocculent substances having a specific gravity in excess of 2.65.
- G. Wastes containing soluble substances in such concentration as to cause the specific gravity of the waste to be greater than 1.1

- H. Wastes containing any of the following substances in solution or in suspension in concentrations exceeding those shown in the following table:

Maximum Permissible Substance	Concentration
Phenolic compounds as C ₅ H ₆ OH	1.0 mg./L
Cyanides as CN	0.0 mg./L
Cyanides as CNO	0.0 mg./L
Iron as Fe	0.3 mg./L
Trivalent Chromium as Cr plus Hexavalent Chromium as Cr	0.5 mg./L
Nickel as Ni	1.0 mg./L
Copper as Cu	0.03 mg./L
Lead as Pb	0.5 mg./L
Zinc as Zn	0.15 mg./L

- I. Wastes containing more than 100 mg./L. by weight of fat, oil or grease.
- J. Wastes containing more than 100 mg./L. of any of the following gases: Hydrogen sulfide, sulfur dioxide, nitrous oxide, or any of the halogens.
- K. Wastes containing gases or vapors, either free or occluded, in concentrations toxic or dangerous to humans or animals.
- L. Wastes containing toxic substances in quantities sufficient to interfere with the biochemical processes of the sewage treatment works or that will pass through the treatment process and still exceed the state and federal requirements for the receiving stream.
- M. Wastes containing toxic radioactive isotopes without a special permit.

ARTICLE VI

SEWAGE COLLECTION, TRANSPORTATION AND TREATMENT CHARGES

Section 601. There is imposed upon the owners of, or the users of water in or on, all properties served by the public sanitary sewage system, sewage collection, transportation and treatment charges for the use of said system, payable in the amounts and as provided (1) in the Sewer Rate Resolution heretofore adopted by the Authority and as it is hereinafter from time to time amended and modified and (2) in the Connection Ordinance of the Township as amended at the time of adoption of these Regulations and as hereafter from time to time amended and modified. Said owners and users will be jointly and severally liable for the payment of said sewage collection, transportation and treatment charges and the penalties therein prescribed for delinquent payments thereof.

Section 602. All bills for sewage collection, transportation and treatment charges shall be due when rendered and shall be subject to the penalty provisions set forth in the Authority's Sewer Rate Resolution and the Connection Ordinance of the Township in both cases as the same are from time to time modified or amended. Owners and, where adequate arrangements have been made with the Authority and/or Township, users, will be billed periodically for the sewage collection, transportation and treatment charges in accordance with the billing practices adopted or to be adopted by the Authority and/or Township.

Section 603. The measurement by two or more meters of the quantity of water used in or on one property by one Owner or user may be combined and the service charge billed to said Owner or user as though the quantity of water was measured by one meter if the Authority and/or Township so elects.

Section 604. The Authority's initial collection, transportation and treatment charges shall be in accordance with its Sewer Rate Resolution. The Authority may, if it deems it advisable, elect at some time in the future to modify in whole or in part, the sewage collection, transportation and treatment charges on such other basis as it may determine. When water usage is used as the basis for said charges, the volume of water to be used for billing purposes shall be based upon water meter readings of the Water Authority or in the absence of such readings, upon estimates made by the Authority or flat rate charges.

Section 605. When water usage is used as the basis of charges, then if an owner or user obtains part or all of the water used in or on a property from sources other than the Windber Area Authority such owner or user may, after written approval from the Township and/or the Authority, at no expense to the Township and/or the Authority or the Windber Area Authority, install and maintain a water meter or meters satisfactory to the Township and/or the Authority and the Windber Area Authority for measuring all water used other than that obtained from the Windber Area Authority and the quantity of water used to determine the sewage collection, transportation and treatment charges shall be the quantity of water measured by all such meters plus the quantity of water obtained from the Windber Area Authority. In lieu of such additional meters, the Authority and/or the Township may establish under the Sewer Rate Resolution a flat rate charge which shall be applicable to such non-metered water usage.

Section 606. When water usage is used as the basis of charges, then if it is established to the satisfaction of the Township and/or the Authority that a portion of the water used in or on any property served by the public sanitary sewage system does not and cannot enter said system, and in the event that the total water used in or on said property exceeds 30,000 gallons per quarter, the Township and/or the Authority may determine, in such manner and by such method as it may deem practical, the percentage of the water entering the public sanitary sewage system, or the Township and/or the Authority may require or permit the installation of additional meters in such manner as to determine either the quantity of water excluded from the public sanitary sewage system or the quantity of water, sewage or industrial waste actually entering the public sanitary sewage system, exclusive of storm water runoff. In such case, the sewage service charge shall be based upon the quantity of water estimated, measured or computed by the Township and/or the Authority to be actually entering the public sanitary sewage system, exclusive of storm water runoff, and shall be subject to the sewer service charges set forth in the Authority's Sewer Rate Resolution and the Township's Connection Ordinance.

Section 607. When water usage is used as the basis of charges, then any person requesting consideration for a reduction of the amount of the sewage collection, transportation and treatment charges because of water not entering the public sanitary sewage system shall make written application to the Township and/or the Authority for such consideration, giving the name of such person, his address and setting forth supporting data fully describing other sources of water, if any, as well as the disposition of water alleged not to be entering the public sewage system. The application shall be accompanied by a sketch to approximate scale showing the plan of the property, the water distribution system, sewer layout, existing meters, and proposed meters in the scheme to determine the quantity of flow entering, or not entering, the public sanitary sewage system. The cost of furnishing, installing and maintaining any meters other than those utilized to measure water purchased from the Water Authority shall be borne by the applicant. The type, size, location, arrangement and maintenance of such meters shall be subject to the approval of the Township and/or the Authority, and if applicable, the Water Company.

ARTICLE VII

RENTALS AND CHARGES

This Section is covered in the Schedule of Rates and Charges Ordinance as set forth as amended from time to time by the Township.

ARTICLE VIII

SURCHARGE FOR CERTAIN INDUSTRIAL WASTES

Section 801. Although the sewage treatment works will be capable of treating certain abnormal industrial wastes as heretofore defined in Article I, the actual treatment of such wastes may increase the cost of operating and maintaining the public sanitary sewage system. Therefore, there will be imposed upon each person discharging such industrial waste into the public sanitary sewage system a surcharge, or surcharges, which are intended to cover such additional cost. Such surcharges shall be in addition to the regular sewage collection, transportation and treatment charges set forth in said Sewer Rate Ordinance of the Township.

Section 802. The strength of any industrial waste, the discharge of which is to be subject to surcharge, shall be determined monthly, or more frequently as the Authority and/or Township shall determine, from samples taken either at the manhole or metering chamber referred to in Article IV hereof, or at any other sampling point mutually agreed upon by the Authority and/or Township and the producer of such waste. The frequency and duration of the sampling period shall be such as, in the opinion of the Authority and/or Township, will permit a reasonably reliable determination of the average composition of such waste, exclusive of storm water runoff. Samples shall be collected or their collection supervised by a representative of the Authority and/or Township and shall be in proportion to the flow of waste, exclusive of storm water runoff, and composited for analysis in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", cited above. Except as hereinafter provided, the strength of the waste so found by analysis shall be used for establishing the surcharge or surcharges. The Authority and/or Township shall require industrial users to perform semi-annual sampling of industrial user's effluent discharge. The analysis of these samples shall be conducted by a certified independent lab and shall be paid for by the industrial user. All sampling shall be conducted in the presence of an Authority and/or Township representative. The Authority and/or Township reserves the right to increase the frequency of sampling if necessary.

Section 803. In the event any industrial waste is found, by the Authority and/or Township, to have a B.O.D. in excess of 300 milligrams per liter, the producer of said waste shall be surcharged an amount equal to the product of the actual volume of wastes in thousand gallons per billing period, exclusive of storm water runoff, discharged to the public sanitary sewage system and the "BOD surcharge rate".

The "BOD surcharge rate" shall be determined by the following formula: $R_c = 0.00834 P (C-300)$

Where $R_c =$ the BOD surcharge rate in cents per 1,000 gallons of waste discharged.

$P =$ the average annual fixed, operating and maintenance cost of secondary treatment processes per pound of BOD received at the treatment works.

$C =$ the average BOD of the industrial waste expressed in milligrams per liter as determined in accordance with Section 802 of this Article.

The figure 300 appearing in the above formula corresponds to the maximum BOD permissible without surcharge. The figure 0.00834 is the factor to convert milligrams per liter to pound per 1,000 gallons. No discount will be permitted for sewage or industrial wastes having a BOD less than 300 milligrams per liter.

Section 804. In the event any industrial waste is found, by the Authority and/or Township to have an average suspended solids concentration in excess of 350 milligrams per liter, the producer of such waste shall be surcharged an amount equal to the product of the actual volume of wastes in thousand gallons per billing period, exclusive of storm runoff, discharged to the public sanitary sewage system and the "suspended solids surcharge rate". The "suspended solids surcharge rate" shall be determined by the following formula:

Formula: $R_s = 0.00834 B (S - 350)$

Where $R_s =$ the suspended solids surcharge rate in cents per 1,000 gallons of waste discharged.

$B =$ the average annual fixed, operating and maintenance cost of sludge digestion, sludge drying and sludge disposal operations per pound of suspended solids received at the treatment works.

$S =$ the average suspended solids concentration of the abnormal industrial waste expressed in milligrams per liter as determined in accordance with Section 802 of this Article.

The figure 350 appearing in the above formula corresponds to the maximum suspended solids concentration permissible without surcharge. The figure 0.00834 is the factor to convert milligrams per liter to pounds per 1,000 gallons. No discount will be permitted for sewage or industrial wastes having a suspended solids concentration less than 350 milligrams per liter.

Section 805. The surcharges provided for in this Article shall be added to the sewage collection, transportation and treatment charges imposed by the Authority under the Sewer Rate Resolution and by the Township under its Connection Ordinance.

ARTICLE IX

BILLING AND COLLECTION

Section 901. This section is covered in the Schedule of Rates and Charges Resolution as set forth by the Authority.

Section 902. Bills and notices relating to the sewage service charges and surcharges will be mailed or delivered to the property owner's last address or, where proper arrangements have been made with the Authority, to the user's last address as shown on the billing books of the Authority. The Authority shall do the billing for the Township unless and until the Township decides to do the billing itself, except that the Township will collect directly the initial service charge.

ARTICLE X

CONNECTIONS TO THE SYSTEM

Section 1001. Application for connection to the public sanitary sewage system shall be made to the Authority and/or Township as directed by the Township, or both if so directed by the Township upon the permit form formulated and furnished by the Authority or the Township, or both, as the case may be.

Section 1002. All information requested on said form shall be furnished by the applicant, including the character and use of each structure located upon the property.

Section 1003. Any required tap connection and inspection fees shall be paid at the time of making application for permission to make a connection. Fees shall be in accordance with the Authority's Sewer Rate Resolution and by the Township under its Connection Ordinance.

Section 1004. Upon receipt of a properly completed application for connection to the public sanitary sewage system, accompanied by any required tap connection and inspection fees, the Township and/or the Authority shall issue a sewer connection permit to the property owner for connection with said sewer.

Section 1005. No work shall commence before the payment of any aforementioned tap connection and inspection fee and issuance of the aforementioned connection permit.

Section 1006. Except as otherwise provided in this Section 1006, separate connections, and the corresponding tap connection and inspection fees, will be required for each individual occupied building, whether constructed as a detached unit or as one of a pair or row. Groupings of more than one equivalent dwelling unit on one building sewer shall not be permitted except under special circumstances and for good sanitary reasons or other good cause shown, and then only after special permission of the Township and/or the Authority, in writing, shall have been secured, and subject to such rules, regulations and conditions as may be prescribed by the Township and/or the Authority. Further, in the event a single house connection is permitted to serve a double house or condominium complex, it will be necessary for the property owners to sign an agreement

(which the Township and/or the Authority may record in the office of the Recorder of Deeds) relieving the Township and/or the Authority of any responsibility or obligation caused by or resulting from installation of a single house connection. The agreement shall provide that any disagreement between the parties concerning future maintenance of the common sewer will be sufficient cause for the Township and/or the Authority to install additional connections to the sewer main to provide individual service. The installation of such separate service laterals from the sewer main to the property line, as well as the house building sewers from the property line to the occupied buildings, shall be made at the expense of the property owners signing the agreement. A single connection with payment of the tap connection fees for the appropriate number of equivalent dwelling units served will be permitted to serve a school, factory, apartment house or other permanent multiple use structure whose individual apartments or units may not be subject to separate ownership.

Section 1007. Following receipt of proper notice, customers abutting any completed part of the sewer system will be directed to connect to the system. Such customers shall be given a 60-day notice within which to make such connections. Sewer rentals will be charged after this 60-day period even though the customer has not completed his connection. However, the non-receipt of a notice to connect will not relieve an owner of improved property from his responsibility to connect within the time period allowed adjacent property owners. Customers desiring to improve a property and connect the property into the sewer system must file written application on forms furnished by the Township and/or the Authority. This application must be signed by the owner of the premises or his authorized agent and shall, together with these Rules and Regulations and amendments thereto, regulate and control sewer service for the premises.

Section 1008. All connections to the sanitary sewers shall be subject to certain restrictions as to unacceptable sanitary sewage which are set forth herein in Article V.

Section 1009. The designated Inspector of the Township and/or the Authority shall be given at least forty-eight (48) hours notice of the time when such connection shall be made in order that said Inspector can be present to inspect and approve the work of connection. The Inspector shall signify his approval of the connection by endorsing his name and the date of approval on the aforementioned connection permit in the possession of the permittees.

Section 1010. At the time of inspection of the connection, the owner or owners of properties shall permit the Inspector full and complete access to all sanitary and drainage arrangements and facilities in each building and in and about all parts of the property. No building sewer line shall be covered over, or in any manner concealed, until after it is inspected and approved by said Inspector.

Section 1011. It is the intention of these Rules and Regulations that the entire connection be inspected at one time; however, if the property owner feels that special conditions warrant more than one inspection, he may request the same, subject to such additional inspection fees as the Township and/or the Authority shall determine.

Section 1012. Use of a new connection to the sewer system will not be permitted until the installation has been inspected and approved in accordance with the Township and/or the Authority's procedures.

Section 1013. Pipe and fittings used for the building sewer and service lateral shall be:

1. PVC polyvinyl chloride plastic sewer pipe, having either a rubber ring or a solvent cemented joint (ASTM D-3034, SDR-35 PVC) or (Schedule 40 PVC).

All pipe shall be stamped with the manufacturer's certification that the pipe meets the appropriate standard indicated. The pipe used must meet applicable ASTM specifications for the conditions encountered in installation and, where appropriate, the Township may authorize the use of different pipe where circumstances and conditions require.

For building sewer and service laterals four inch (4") diameter pipe may be used where the line gradient is 1/4 inch per foot (2%) slope or greater and six inch (6") diameter pipe shall be used where the line gradient is 1/8 inch per foot (1%) slope or greater. All commercial/industrial connections that serve greater than 2 EDU's shall be a minimum 6 inch diameter service lateral. Pipe shall have permanently tight joints which shall prevent the admission of groundwater. No transformation from one pipe size or type will be made without the use of manufactured adapters designed specifically for the purpose and approved by the Township and/or the Authority. All changes in direction will be made with pipe fittings and no fittings greater than 45 degrees will be permitted.

Section 1014. All sewer pipe shall be installed in strict accord with the manufacturer's recommendations. Where rock trench foundation exists, a four (4) inch gravel cradle shall be provided under the pipe.

Section 1015. All pipe shall be installed with a minimum slope of one eighth (1/8) inch per foot for 6" diameter pipe, and one fourth (1/4) inch per foot for 4" diameter pipe. All pipe must have at least 30 inches of cover. Special protection must be given pipe laid under driveways to avoid cracking or crushing. Under driveways, pipe shall be laid on a 6 inch sand and/or gravel base and backfilled with sand and/or gravel to at least 6 inches above top of pipe. All pipe shall be laid in a straight grade from the house connection to the Township's service connection. All pipe shall be laid with full and even bearing and no block support will be allowed. Bell holes shall be dug to allow sufficient space to properly make each joint. Backfill shall be tamped uniformly around the pipe. All work shall be done in a workmanlike manner and shall provide a durable installation.

Section 1016. A trap either manufactured or site assembled, made from same size and pipe type material shall be installed approximately five feet (5') from the building. The trap shall be vented and the vent situated as not to allow the discharge of any surface water to the sanitary sewer. A view port shall be installed at the property or Township easement line on the building sewer. The view port shall be a tee with a vertical riser pipe, so that the Township or their agent will be able to check for infiltration or inflow.

Section 1017. Unless otherwise authorized by the Township or its representative, cleanouts shall be provided in each building sewer at such intervals to permit complete rodding with a fifty (50) foot long auger or tape. Such intervals shall include the length of the service lateral. Cleanouts will also be required within five feet upstream of every change in direction greater than 45 degrees and immediately downstream of the trap. Cleanouts shall be constructed using a one piece combination wye and eighth bend and riser to the ground surface. The riser pipe shall be provided with a standard screw type cap and shall be watertight.

Section 1018. Commercial installations must also comply with all local construction regulations.

Section 1019. All costs and expenses of the construction of a building sewer and all costs and expenses of connection of a building sewer to a sewer shall be borne by the owner of the occupied building(s) to be connected; and such owner shall indemnify and save harmless the Township from all loss or damage which may be occasioned, directly or indirectly, as a result of construction of a building sewer or of connection of a building sewer to a sewer.

Section 1020. An existing building sewer that served a previously occupied building on the property may be used to serve a new occupied building that is replacing the earlier occupied building only when it is found upon examination and/or testing by the Township or the Authority or its authorized representative, to meet all requirements as set forth in the Rules and Regulations of the Authority and the Rules and Regulations of the Township of Paint.

Section 1021. The building sewer and the service lateral leading from the property to the interceptor or collection sewer of the Township shall at all times be the responsibility of the person, firm or corporation owning the property for maintenance, repair or replacement.

Section 1022. No repairs, alterations or additions to any building connection of the sewer system shall be made unless the person desiring to make same shall first make application to and receive permission from the Township or the Authority.

Section 1023. No owner or tenant of any premises connected with the sewer system shall be allowed to permit any other persons or premises to use or connect with his Service Lateral except upon written permission of the Township or the Authority

Section 1024. The Owner is responsible and shall pay the costs of the proper installation of the service lateral from the collection sewer to the property line, then the building sewer from that point to the building connection. Each connection and/or modification to the sewer system must be made at the expense of the Owner and be inspected by an authorized representative of the Township before the pipe is backfilled. The Owner shall certify in writing to the Township that no roof, surface, foundation or underground drainage is connected to the sanitary sewer. Cellar drains not connected to an outside surface, underground, foundation or sub-basement drain may be connected to the sanitary sewer provided the cellar drain system is tested for watertightness as outlined in Article XIX, and furthermore, as stated in Section 1907, all work necessary to provide for and perform such testing shall be the responsibility of the Applicant. There shall be a \$25.00 charge each re-inspection required by reason of faulty original installation and/or modification.

Section 1025. From time to time the Township will undertake and complete sanitary sewer projects whereby the Township will install the collection sewers and service laterals to each Owner's property line. Upon notification of such a Township project, the Owner is only responsible for and shall pay the costs of the proper installation of the building sewer connection from the end of the service lateral to the building connection. All other requirements of Section 1024 shall remain in effect.

ARTICLE XI
MAINTENANCE OF LATERALS AND BUILDING SEWER

Section 1101. Notwithstanding any other provision of this Resolution, the maintenance of sewer laterals from the collection or interceptor line of the Township or the Authority to the premises or property line of the user or customer shall at all times be the obligation of the User or Customer and shall not be the obligation of the Township and/or Authority.

ARTICLE XII
PROPOSED EXTENSIONS OF SYSTEM BY DEVELOPERS

Section 1200. Developer shall be entitled to obtain preliminary review, in accordance with the provisions of the section. In order to obtain such preliminary review, Developer shall submit the following: Name of Developer; name of property owner (if different than Developer); the location of the property; size of the overall property owned by the property owner or Developer; a general sketch drawn to scale with dimensions indicated thereon showing the location of the property and the general layout of the intended development (that is to say, the location of all houses to be constructed by Developer), include on the sketch the location of roads, lot layouts, the approximate location of existing utilities, including gas, electric, water, sewers and any other utilities. Developer shall submit such information (including the sketch required hereunder) in triplicate. After receipt of such information in writing, Township and/or the Authority shall advise Developer and indicate whether or not the existing system has sufficient capacity to accommodate the development, the location of existing sanitary sewage facilities, the depth and location of existing manholes in the approximate area of the development and any other preliminary comments as the Township and/or the Authority may wish to make. The review by the Township and/or the Authority shall not in any way constitute authority for the Developer, owner or anyone else to proceed with construction or to connect to any existing lines or to the sanitary sewage system.

Section 1200A. Any developer planning an extension to the public sanitary sewage system shall strictly follow the planning procedures prescribed by the Pennsylvania Department of Environmental Protection (DEP). If required by DEP, the developer should:

- a. Obtain and prepare DEP Planning Modules for Land Development.
- b. Submit completed modules, along with completed DEP form letter of transmittal and Resolution for Plan Revision to the municipality for review and execution.
- c. After the municipality's execution, obtain letters of approval from the Authority and the municipality's Planning Commission.
- d. Submit completed modules and aforementioned letters to DEP for review and approval.
- e. If DEP approves the planning modules, the developer shall then prepare the Water Quality Management Permit (W.Q.M.P.) application and sewer modules, if required.
- f. The W.Q.M.P., sewer modules, plans and specifications shall then be submitted to the Township for review and approval.
- g. If the Township approves the submitted material, the W.Q.M.P. application will be executed and all documents will be forwarded to DEP by the Township.
- h. After DEP's approval, the developer may initiate construction after notifying the Township of start date.

Section 1201. Five (5) copies of plans for proposed extensions shall be submitted to the Township on 24" x 36" sheets showing plan views to a scale of 1"=50' and profiles to a scale of 1"=10' vertically and 1"=50' horizontally, a north point, a suitable title block, date and the name of the engineer or surveyor and imprint of his registration seal.

Section 1202. All sewers shall be designed in accordance with the Sewerage Manual of the Pennsylvania Department of Environmental Protection, Division of Sanitary Engineering, and these Rules and Regulations, and the Rules and Regulations of the Authority.

Section 1203. As a condition to the approval of plans and specifications for extensions to the sewer system to be built by builders, developers or other agencies, and prior to the commencement of construction of said extension, the builders, developers or other agencies shall execute a **sewer extension agreement** with the Township under which the owner agrees upon the completion of the extension to offer to the Township a deed of dedication to the collection system to be installed, which deed shall convey all right, title and interest in the collection lines to the Township, free and clear of all encumbrances and charges. The agreement to be signed in this connection shall specifically provide that in the event a deed of dedication is not offered to the Township, the Township shall be entitled to specific performance of the agreement and the costs of enforcing the agreement, including reasonable attorney's fees, which shall be paid by the defaulting party and shall be made a part of the order of the court in granting specific performance.

Section 1204. Construction of sewers will not be permitted until the proper State Permits have been obtained. All necessary permits shall be obtained at the expense of the developer.

Section 1205. Prior to final acceptance of any sewer extensions by the Township and/or the Authority, it will be necessary for the developer to furnish to the Township and/or the Authority "as built plans" showing the angle and distance between manholes, the top and invert elevation of each manhole and the exact location of all house sewer connections relative to the nearest manhole both downstream and upstream.

Section 1206. Easements shall be recorded in the name of the Township for all sewers to be constructed outside of dedicated street rights-of-way.

Section 1207. All sewer pipe proposed by the Developer shall be PVC SDR 35 D3034 pipe and shall have prior approval of the Township and/or the Authority before installation.

Section 1208. All sewer pipe shall be a minimum of eight (8) inches in diameter unless otherwise approved by the Township and have a minimum of laying length of not less than five (5) feet.

Section 1209. The details of any jointing connection which is proposed for use must be submitted to the Township and/or the Authority for prior approval.

Section 1210. The installation of sewers shall start at the lower end of the line and proceed upstream so that the spigot ends point in the direction of flow. The pipe shall be carefully laid to line and grade. The handling, placing and jointing of pipe shall be in strict accordance with the pipe manufacturer's recommendations. Any pipe penetration to an existing manhole shall be made by coring a hole through the manhole wall and sealing the annular opening between the pipe and manhole with an expandable rubber seal similar to Link-Seal, or approved equal.

Section 1211. All manholes shall be constructed and vacuum tested in accordance with the standards established by the Township and/or the Authority. Frames and covers for all manholes shall be fabricated of cast iron and shall conform to the standards established by the Township and/or the Authority. Vented covers shall be furnished at the ends of lines. Precast concrete manhole sections shall conform to the standards established by the Township and/or the Authority. Manhole exteriors shall be coated on the exterior with a bitumatic sealer. Manhole bases shall have an integral rubber gasket cast into the pipe opening of precast base at time of manufacturer. Gasket shall form a compression-type joint with no moving parts assuring a positive watertight joint, and shall be the size and type required for the pipe selected. Rubber gasket shall be manufactured in accordance with Rubber Joint Specifications ASTM C-923 titled "Resilient Connectors Between Reinforced Concrete Manhole Structures and Pipes" manufactured by A-LOK Products, Inc., or approved equal. Where determined necessary by the Township and/or the Authority, the developer shall incorporate the use of grease traps in the sewer connection plans before approval is given.

Section 1212. Sewers shall be hydrostatically, pneumatically, smoke tested, televised or tested by other means as determined by the Township and/or the Authority for leakage at the discretion of, and in the manner required by, the Township and/or the Authority. Testing shall be done at the developer's expense, and an agent of the Township and/or the Authority shall be present when all testing is being done.

Section 1213. The Developer shall file all necessary connection permits and pay the applicable tap connection and inspection fees for each house or building to the Township which shall become due and payable prior to inspection and approval by the Inspector for each respective house service sewer.

Section 1214. The developer shall also reimburse the Township in full for all costs of Engineer's plan review and of inspection of construction of all sanitary sewers by an Agent of the Township and/or Authority. The amount and type of inspection required shall be determined by the Township during construction. Prior to performing any work, the developer shall establish an escrow account at an institution agreeable to both the Township and developer. Said escrow account shall be in the name of the Township to be used for paying engineering, legal and inspection fees incurred. The escrow amount to be deposited shall be determined by the Township. Upon acceptance of the developer's project by the Township, or project termination, the balance of funds in the escrow account, including accrued interest, will be refunded to the developer.

Section 1215. No sewer extensions constructed by a Developer will be approved for use and acceptance by the Township and/or Authority until said sewers are formally approved by the Township and/or the Authority, all building tap connection and inspection fees have been paid for each building connected to the system, and the Township and/or Authority has been reimbursed in full for all inspection costs incurred by the Inspector during construction, testing and approval.

Section 1216. The cost and expense of any such extensions, subject to the approval and compliance with the rules and regulations hereunder, shall be borne by the Developer, and costs shall include, but shall not be necessarily limited to the cost of acquisition of rights-of-way (whether as compensation for the right-of-way expenses or other expenses in connection therewith) or for the construction and extension of the system and shall further include a charge in the amount of the actual costs of review and examination by the Township and/or Authority's engineer payable to the Township and/or Authority as compensation for the review and examination of plans to be submitted hereunder.

Section 1217. Whenever sewers are installed by persons, firms or corporations other than the Township and/or Authority, the installation and materials shall be made and furnished in accord with the Township and/or Authority's standard construction specifications and in accordance with the rules and regulations of the Township and/or Authority. In the event that the person, firm or corporation installing a sewer extension fails to comply with the requirements of the Township and/or Authority, the Township and/or Authority shall give notice in writing of such non-compliance; and in the event that the person, firm or corporation so installing the extension

shall fail to replace or repair the installation with respect to which notice of non-compliance has been received, the Township and/or Authority may take whatever measures are necessary to conform the installation to the requirements of the Township and/or Authority at the costs and expense of the owners, together with 10 percent (10%) additional thereof and all charges and expenses incidental thereto, which sum shall be collected from said owner or owners for the use of the Township and/or Authority as debts are by now collectible.

Section 1218. In the event that a Developer shall wish to extend a service lateral to service an individual house (which service lateral may under applicable Rules and Regulations of the Township and/or Authority be constructed of sewer pipe of a minimum of eight (8) inches in diameter) the Township and/or Authority may require the Developer to construct and establish a sewer line meeting all the requirements of this Article XII if the Township and/or Authority shall determine that there shall exist the possibilities that there may be further extensions of this system in the area of such house service line. In such event, the Township and/or Authority shall compensate the Developer for the difference of cost only as between sewer pipe six (6) inches in diameter and sewer pipe eight (8) inches in diameter. All other expenses shall be and remain the sole and complete obligation of the Developer.

ARTICLE XIII

CONNECTION OF EXISTING SEWAGE COLLECTION SYSTEMS

Section 1301. The owner or owners of any existing sewage collection system within the service area of the sewage disposal system of the Authority or Township service area upon premises accessible to the public sanitary sewage system shall, at their own expense, make connection with the public sanitary sewage system in accordance with the applicable Connection Ordinance in effect in the service area of the sewage disposal system of the Authority or Township service area and the Authority's Rules and Regulations, and the Rules and Regulations of the Township of Paint.

Section 1302. The owner or owners of any existing sewage collection system within the service area of the sewage disposal system of the Authority or Township service area located upon premises accessible to the public sanitary sewage system shall make application for connection to the public sanitary sewage system to the Township upon the permit form to be formulated and furnished by the Township.

Section 1303. All information requested on said form shall be furnished by the applicant, including the character and use of each structure located upon the property or properties.

Section 1304. At the time of application and prior to final acceptance of any existing sewage collection system by the Township and/or Authority, it will be necessary for the owner or owners to furnish to the Township "as built plans" showing information such as the angle and distance between manholes, the top and invert elevation of each manhole and the exact location of all connections to the sewer system relative to the nearest manhole both upstream and downstream, and any other supporting documentation as required by the Township and/or Authority.

Section 1305. As a condition to the approval of the Township and/or Authority for connection of the existing sewage collection system to the Township and/or Authority's sewer system, the owner or owners of said system shall execute an agreement with the Township under which the owner agrees to offer to the Township a deed of dedication to the collection system, which deed shall convey all right, title, and interest in the collection lines to the Township, free and clear of all encumbrances and charges.

Section 1306. At the time of application and prior to acceptance of any existing sewage collection by the Township and/or Authority, the sewers shall be tested by any of the following methods or combinations of methods, including hydrostatic testing, pneumatic testing, smoke testing, televising or testing by any other means as determined by the Township and/or Authority for the purposes of determining infiltration, inflow and/or the condition of the existing sewers, at the discretion of, and in the manner required by the Township and/or Authority. All testing shall be done at the owner's expense.

Section 1307. Any required tap connection and inspection fees shall be paid at the time of making application for permission to connect the existing sewage collection system to the public sanitary sewage system.

Section 1308. Upon receipt of a properly completed application for connection to the public sanitary sewage system, accompanied by any required tap connection and inspection fees, the Township and/or Authority shall review the application and any related supporting documentation as required by the Township and/or Authority prior to issuance of a sewer connection permit.

Section 1309. Upon completion of the application review, the Township and/or Authority will notify in writing the owner or owners of the existing sewage collection system whose application was reviewed of the Township and/or Authority's decision on the sewer connection permit. If the permit is denied, the Township and/or Authority will justify its denial in writing.

Section 1310. Upon denial of a sewer connection permit for an existing sewage collection system, the owner or owners of the collection system shall meet with the Township and/or Authority to determine a Plan of Corrective Action and a timetable to address the reasons for which the permit was denied. The Plan of Corrective Action will be formally submitted to the Township and/or Authority within thirty (30) days of the above-referenced meeting.

Section 1311. Upon completion of the Plan of Corrective Action, the review of the application for connection of the existing sewage collection system to the public sanitary sewage system will be reopened.

Section 1312. No work shall commence before payment of any aforementioned tap connection and inspection fees and issuance of the aforementioned sewer connection permit.

Section 1313. The connection of the existing sewage collection system to the public sanitary sewage system shall be subject to certain restrictions as to unacceptable sanitary sewage which are set forth herein in Article V and shall be subject to all other applicable provisions of these Rules and Regulations as established herein and amended from time to time.

Section 1314. The designated Inspector of the Township shall be given at least forty-eight (48) hours notice of the time when such connection shall be made in order that said Inspector can be present to inspect and approve the work of connection. The Inspector shall signify his approval of the connection by endorsing his name and the date of approval on the aforementioned connection permit in the possession of the permittees.

Section 1315. At the time of inspection of the connection, the owner or owners of properties shall permit the Inspector full and complete access to all sanitary and drainage arrangements and facilities in each building and in and about all parts of the property. The connecting sewer line shall not be covered over, or in any manner concealed, until after it is inspected and approved by said Inspector.

Section 1316. It is the intention of these Rules and Regulations that the entire connection be inspected at one time; however, if the property owner feels that special conditions warrant more than one inspection, he may request the same, subject to such additional inspection fees as the Township shall determine.

Section 1317. Use of a new connection to the sewer system will not be permitted until the installation has been inspected and approved in accordance with the Township's procedures.

Section 1318. All sewer pipe, fittings, and joints in the existing sewage collection system and the proposed connecting sewer line shall be of a material and type approved by the Township and the Township's engineer, with a minimum diameter of eight (8) inches.

Section 1319. All manholes in the existing sewage collection system and the proposed connecting sewer line shall be of a type and a material meeting the standards established by the Township and/or Authority.

Section 1320. Easements shall be recorded in the name of the Township for all sewers constructed outside of dedicated street rights-of-way.

Section 1321. All costs and expenses associated with the connection of an existing sewage collection system to the public sanitary sewage system shall be borne by the owner or owners of said system and shall also include a charge in the amount of the actual costs of review and examination by the Township's engineer of the existing collection system as requested by the Township.

ARTICLE XIV

PROPOSED INDIVIDUAL HOUSE SERVICE PUMP INSTALLATIONS

Section 1401. Where owner or owners of property are unable to make connections from their principal building to the sanitary sewer by a gravity service lateral as previously described, the owner or owners, if they so desire, may install an individual house service pump installation as hereafter described.

Section 1402. The grinder pump and motor are to be specially designed and manufactured so they can operate completely submerged in the liquid being pumped. The grinder pump unit shall be capable of reducing any material in the wastewater which enters the grinder unit to such size that the material will pass through the pump unit and pressure sewer without plugging or clogging. No screens or other devices requiring regular maintenance shall be used to prevent trashy material from the grinder pump.

Section 1403. Pump shall have a minimum capacity of 8 GPM. Total pump discharge head will depend on each individual installation. Pump motor shall be minimum 1 HP, 1 phase power.

Section 1404. Alarm light shall be supplied in a separate enclosure for monitoring outside the principal building and to be visible from the front, or roadside.

Section 1405. The minimum net storage capacity of the grinder pump unit shall be approximately 50 gallons. The grinder pump tank should be able to accommodate normal peak flows and emergency storage during a short power failure.

Section 1406. The grinder pump shall have the characteristics which will continue to produce flows of at least 8 gpm even when conditions in the pressure system cause heads to rise temporarily to values higher than the normal maximum.

Section 1407. Check and shut-off valves shall be employed to isolate the grinder pump unit from the house service line and the pressure laterals.

Section 1408. Appropriate high water and overflow detection devices (alarm light) shall be provided.

Section 1409. Provisions shall be made to insure that the grinder pump operates even under temporary loads above normal and contains integral protection against back siphonage and over pressure.

Section 1410. If the grinder pump unit is installed outside the residence, provision must be made for access, as well as protection from weather and vandalism. Inside installations shall be quiet and free from electrical and/or health hazards and (shall) preferably be certified by nationally recognized independent testing laboratories, such as the Underwriter's Laboratories, Inc. and the national Sanitation Foundation. The grinder pump unit must be capable of being removed without dewatering the collection tank.

Section 1411. The sump basin may be of concrete or fiberglass construction.

Section 1412. No pressure sewer lateral less than 1¼" inside diameter shall be provided. The required size shall be determined to maintain low frictional losses in the system and a minimum scouring velocity of 2 feet per second. The pressure sewer piping shall be installed with a minimum 42" depth of cover to protect against freezing and damage from vehicular traffic. PVC SDR-21 pipe or PVC Schedule 40 pipe shall be used. Bedding and backfill procedures shall be as described in previous sections for gravity sewer laterals. Pressure sewer piping shall be color coded (brown) to distinguish the piping from water service lines and tracer metal wire shall be provided above the pipe so the piping can be identified with a metal pipe locator.

Section 1413. Grinder pump units must be serviceable and replaceable under wet conditions without electric hazard to the repair personnel.

Section 1414. If a Homeowner installs a grinder pump unit for sanitary sewer service, obligations are as follows:

1. Homeowner:
 - a. Purchase and installation of grinder pump unit and pressure piping to the gravity sanitary sewer or force main after the Township's written approval.
 - b. Obtain Township's inspection of pump unit and pressure piping before connecting to the public system.
 - c. Provide customary and usual maintenance and care as unit manufacturer and Township recommend.
 - d. Cost of electricity.
 - e. Cost of all repairs and grinder pump replacement.
 - f. Allow an authorized representative of the Township or maintenance person access to the homeowner's property.
 - g. A \$150.00 fee to the Township for calls requested by Homeowner to replace the grinder pump core (E-1 pumps only), plus cost of the pump core.

2. Authority

- a. Inspection of pump unit and pressure piping installation, as necessary.

Section 1415. If the Township installs the pump unit and pressure piping as part of the Township owned system, obligations are as follows:

- 1. Homeowner:
 - a. Execute and deliver for recording an appropriate Right-of-Way Agreement for the pump unit and pressure piping.
 - b. Cost of electricity.
 - c. Cost of grinder pump replacement or repairs and a \$150.00 service fee if it is reasonably determined by the Township that the grinder pump has been damaged by misuse by the Homeowner.
 - d. Allow an authorized representative of the Township or maintenance person access to the Homeowner's property.
- 2. Authority:
 - a. Customary and usual maintenance of the pump unit and pressure piping, as requested.
 - b. Cost of future grinder pump replacement.

ARTICLE XV

DELINQUENCIES, VIOLATIONS AND REMEDIES

This section is covered in the Schedule of Rates and Charges Ordinance as set forth by the Township.

ARTICLE XVI

INSPECTION BY THE AUTHORITY

Section 1601. For the purpose of enforcing the Rules and Regulations of the Township and/or Authority with respect to the operation of the sewer system and for the purpose of advancing and protecting the public health, the Township and/or Authority reserves the right to enter upon the premises of any person, firm or corporation connected to the system for the purpose of inspecting the sewer facilities located thereon and for the purpose of determining compliance with the requirements of the Township and/or Authority. Duly authorized employees or representatives of the Township and/or Authority shall be permitted to enter all properties for the purpose of inspection, observation, measurement, sampling, and testing in accordance with the provisions of these Rules and Regulations. In the event that the Township and/or Authority 's duly authorized representatives are denied access to any customer's premises for these purposes, the Township and/or Authority reserves the right to discontinue sewer service to such premises until inspection is permitted and compliance with the requirements of the Township and/or Authority has been determined.

ARTICLE XVII

VALIDITY

Section 1701. If any one or more of the provisions of this set of Rules and Regulations shall for any reasons be held to be illegal or invalid or otherwise contrary to law, then such provisions shall be null and void and shall be deemed separable from the remaining provisions hereof, but shall in no way otherwise affect the validity of these Rules and Regulations.

Section 1702. These Rules and Regulations refer in many cases to the Township and/or the Authority. The Township's sewers run into sewers operated by the Authority and into a treatment plant operated by the Authority. Therefore, it is intended that either the Township or the Authority or both shall be the operative agency for purposes of any particular rule depending upon the circumstances involved. Anyone seeking to comply with these Rules and Regulations shall first contact the Township and follow the instructions of the Township with respect to the necessity for involvement of the Authority. It shall also be necessary, however, for all persons to comply with all applicable Rules and Regulations of the Authority which exist independent of these Rules and Regulations. The Rules and Regulations of the Authority were adopted by the Township in its Connection Ordinance and with respect to the Township sewers. Those Rules and Regulations are now modified by the adoption of these Rules and Regulations. In all cases, the statutes of the Commonwealth and the rules and regulations of the Pennsylvania Department of Environmental Resources, or other appropriate agency, or statutes or regulations of the United States, shall control in the first instance, the Township ordinances shall control in the second instance, and these Rules and Regulations and the Rules and Regulations of the Authority shall control in the final instance. Where both these Rules and Regulations and the Rules and Regulations of the Authority are applicable, the more stringent or exacting rule shall control.

Section 1703. These Rules and Regulations shall take effect immediately.

Section 1704. All other rules and regulations affecting the Sewer System not in accordance with these Rules and Regulations are hereby repealed insofar as they affect these Rules and Regulations.

Section 1705. These Rules and Regulations were adopted pursuant to and in accordance with an Ordinance of the Township.

ARTICLE XVIII

STANDARD DETAILS

Section 1801. Appended to these Rules and Regulations is a listing of Standard Details that shall be used in the construction of the sanitary sewers and appurtenances described herein.

ARTICLE XIX

TESTING

Section 1901. All prospective sewer customers wishing to connect to the Township and/or Authority's sanitary sewer system shall demonstrate, to the Township and/or Authority's satisfaction, that all buried sewer piping intended to be connected to the Township and/or Authority's facilities is in a watertight condition, by performing either of two testing methods described later herein and such testing must be witnessed and approved by the Township Inspector prior to the final connection of the customer sewer piping to the Township and/or Authority's sewer facilities.

Section 1902. Prospective customers must first pay all applicable sewage fees and charges. Said customers must, prior to inspection and testing, provide a plumbing diagram (on the Township's form) showing the piping layout of all buried sewer piping, including such piping buried below basement floor level. The plumbing diagram must note the pipe size, material and lengths of pipe between fittings.

Section 1903. All piping installed outside of the building foundation must be inspected, tested and approved by an Township Inspector for compliance with installation standards of the Township. **THE EXPOSED PIPING WITHIN THE BUILDING IS NOT INSPECTED BY THE TOWNSHIP, BUT IS SUBJECT TO INSPECTION BY THE MUNICIPAL BUILDING CODE ENFORCEMENT OFFICER (CHECK WITH YOUR LOCAL MUNICIPALITY ON THIS MATTER).** However, all buried (or to be buried) sewer piping, both outside and inside the foundation wall must be tested for watertightness and such testing be witnessed and approved by the Township Inspector.

Section 1904. It is suggested that the piping system be tested before any backfilling and certainly before pouring of the concrete floor. Testing of the inside piping may be performed separate from the outside sewer inspection testing, at the applicant's option. However, it may be more convenient for the customer to combine the outside inspection testing and inside testing of the entire buried piping into one operation.

Section 1905. Requests for inspection (of the outside sewer lateral installation) and/or witnessing of the testing (of the outside lateral and/or inside piping) must be made a minimum of forty-eight (48) hours in advance of the requested time. At or prior to such requests, the applicant must provide the aforementioned completed plumbing diagram form to the Township.

Section 1906. Acceptable testing methods include: a). Testing by water, wherein all buried piping is filled with water and a temporary water column introduces a minimum of ten (10) feet of head to the highest portion of the buried piping, with no water loss observed during a fifteen (15) minute period, and: b). Testing by air, wherein all buried piping is pressurized with air to a minimum of 5 psi (5 pounds per square inch) and thereafter held for fifteen (15) minutes with testing can be found in the BOCA National Plumbing Code (1990 ed.) Article 17 or the CABO One and Two Family Dwelling Code (1995 ed.), Chapter 29 as may from time to time be amended.

Section 1907. All work necessary to provide for and perform such testing shall be the responsibility of the Applicant. The Township's Inspector shall only witness such testing and make the determination as to correct testing procedures and the results of such testing, pass or failure. The Applicant shall provide clean and safe access to the location where the testing observation is conducted (to view the top of the 10' water column or to view the air pressure gauge).

Section 1908. The Township Inspector shall make the sole determination as to when the actual testing period commences, and thereafter expires after 15 minutes duration. Upon successful completion of the testing, the inspector shall signify his/her approval by affixing their signature and dating the completed Sewer Inspection Form, a copy of which shall be provided to the Applicant or their designated agent. Upon receipt of the approved Sewer Inspection Form, the Applicant must complete the connection of the privately owned piping to the Township's sewer piping. No such connection is allowed until the Applicant has secured the approved Sewer Inspection Form.

Section 1909. In the event the testing fails to meet the stated requirements, the Inspector will affix their signature and note the time and date of such failed testing on the Sewer Inspection Form. No copy will be provided to the Applicant until such subsequent testing produces an acceptable test result.

Section 1910. All subsequent re-tests shall follow the same 24 hour notice requirements, but must also be accompanied by prepayment of the estimated inspection witnessing charge. Said charge to be computed at costs plus overhead for the time involved, including travel, for the Inspector to conduct such subsequent Inspector/witnessing.

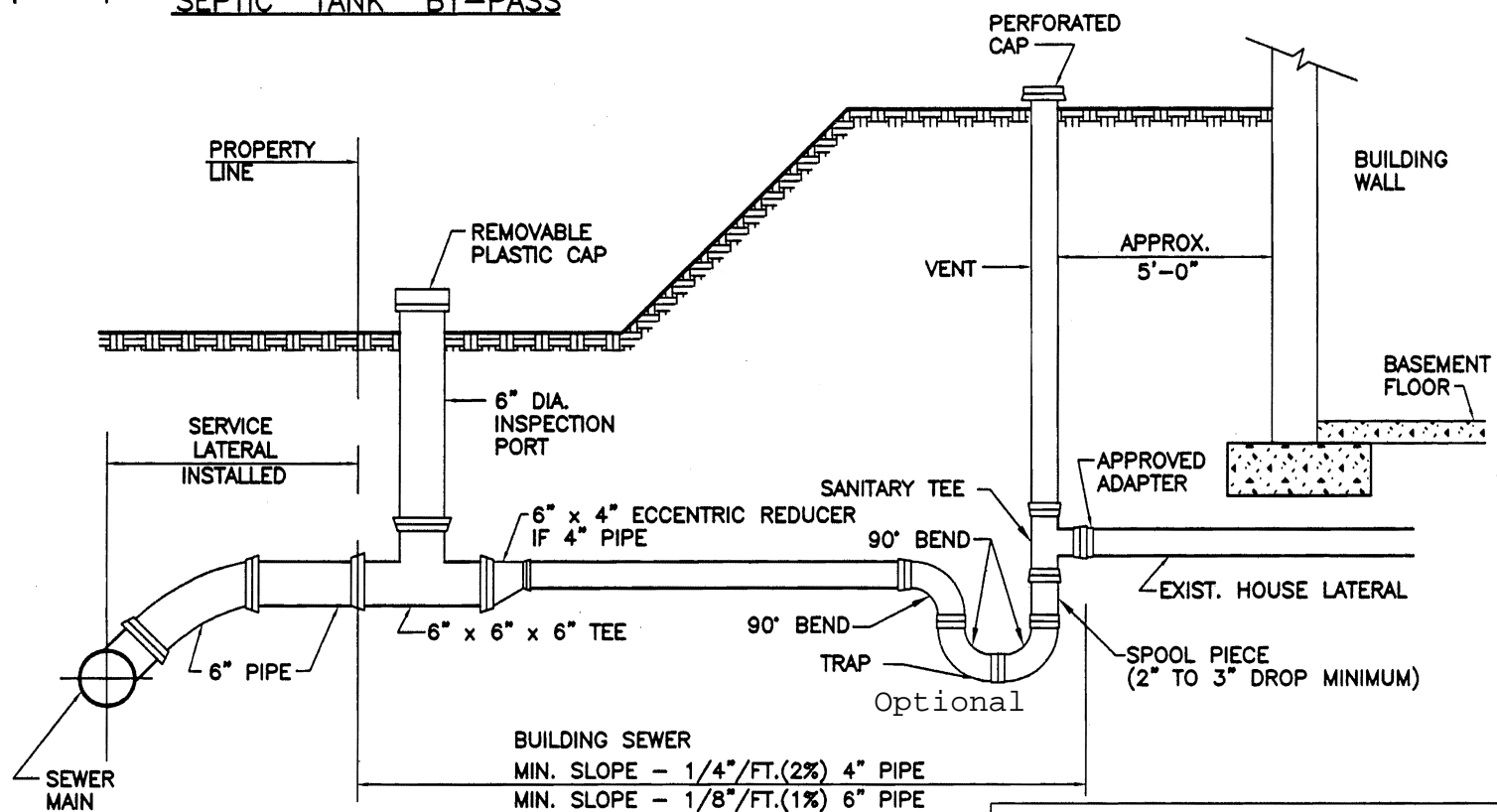
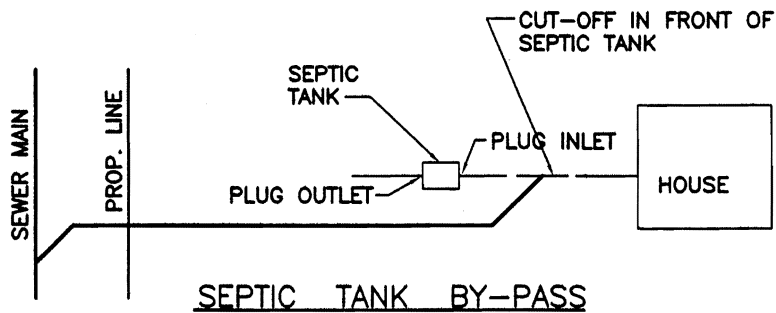
Section 1911. After receipt of the approved Sewer Inspection Form, no alteration, addition or connection to the sewer piping so tested and approved may be without prior notice to the Township and without subsequent testing/witnessing in accordance with the same requirements described above.

Section 1912. The property owner, at the time of testing, is the ultimate responsible party for the installation and subsequent inspection and testing as required by the Township of an approved sanitary sewer drainage system.

Paint Township
Sewer System

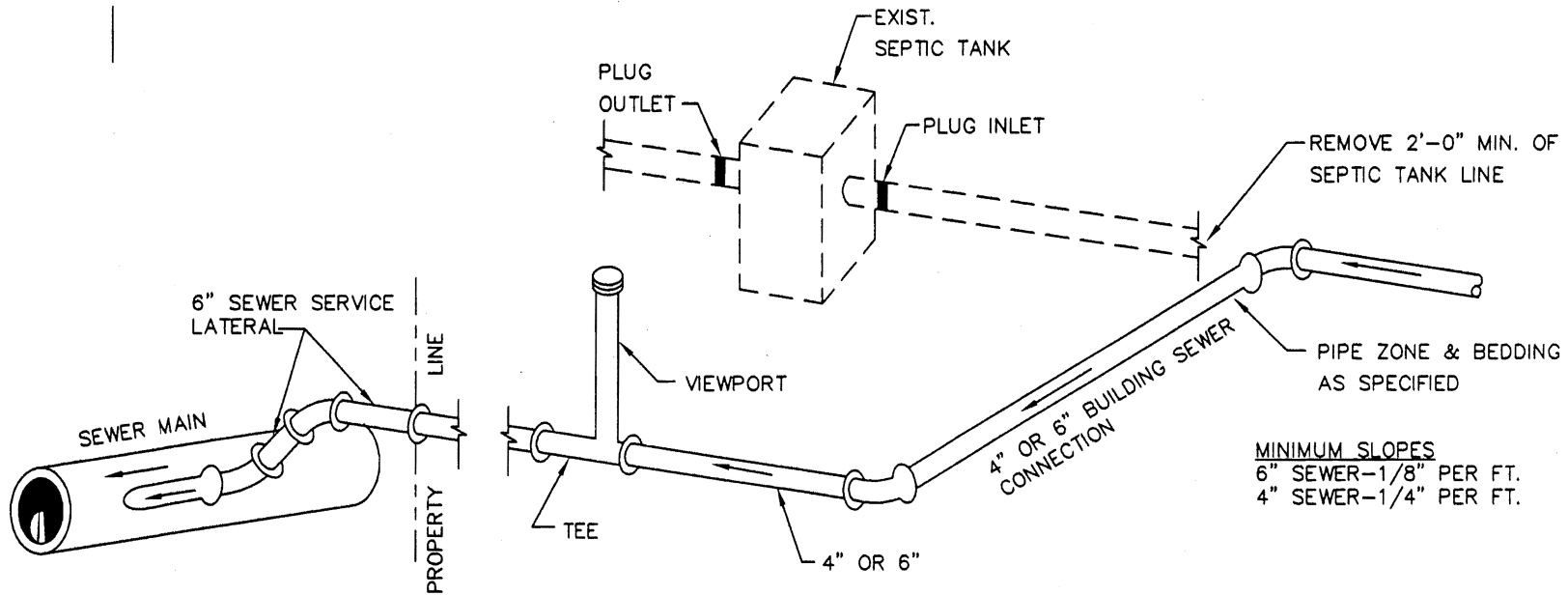
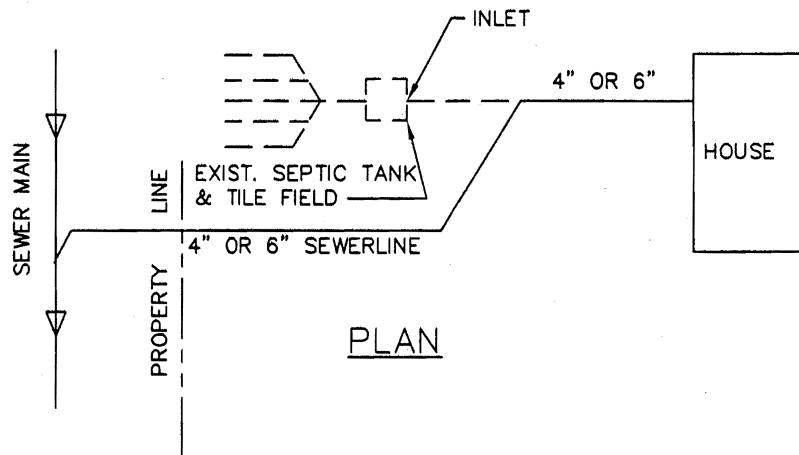
STANDARD DETAILS

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



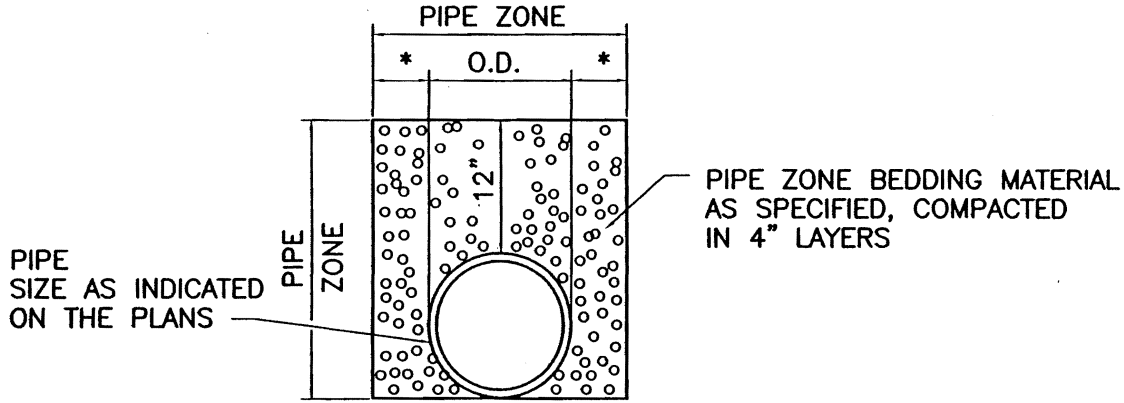
TYPICAL SEWER CONNECTION
N.T.S.

TYPICAL DETAIL	
SERVICE CONNECTION TO SANITARY SEWER	
PAINT TWP.	PLATE 1

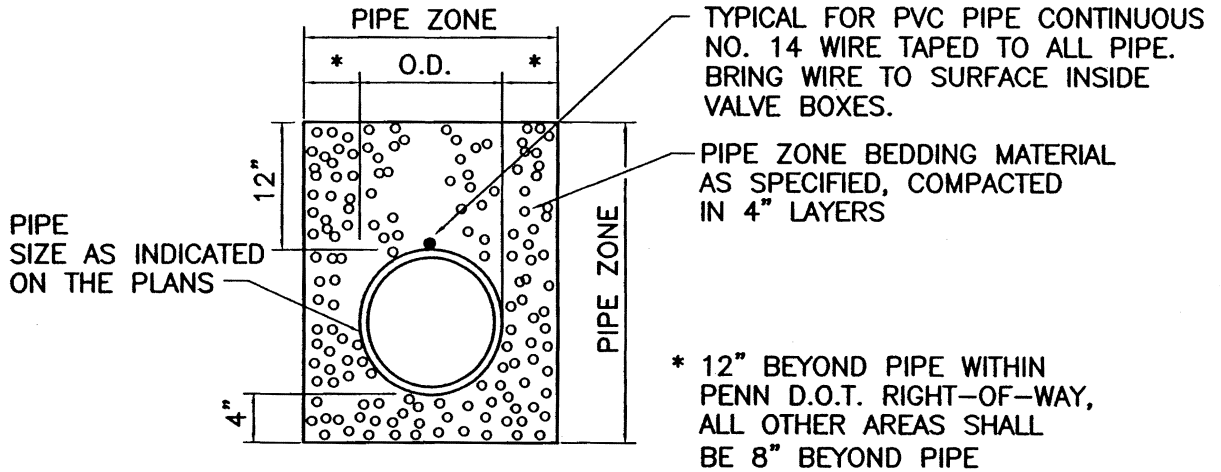


ISOMETRIC SECTION
 NTS.

TYPICAL DETAIL	
BUILDING SEWER CONNECTION INSTALLATION TO BYPASS EXISTING SEPTIC TANK	
PAINT TWP.	PLATE II



DUCTILE IRON PIPE

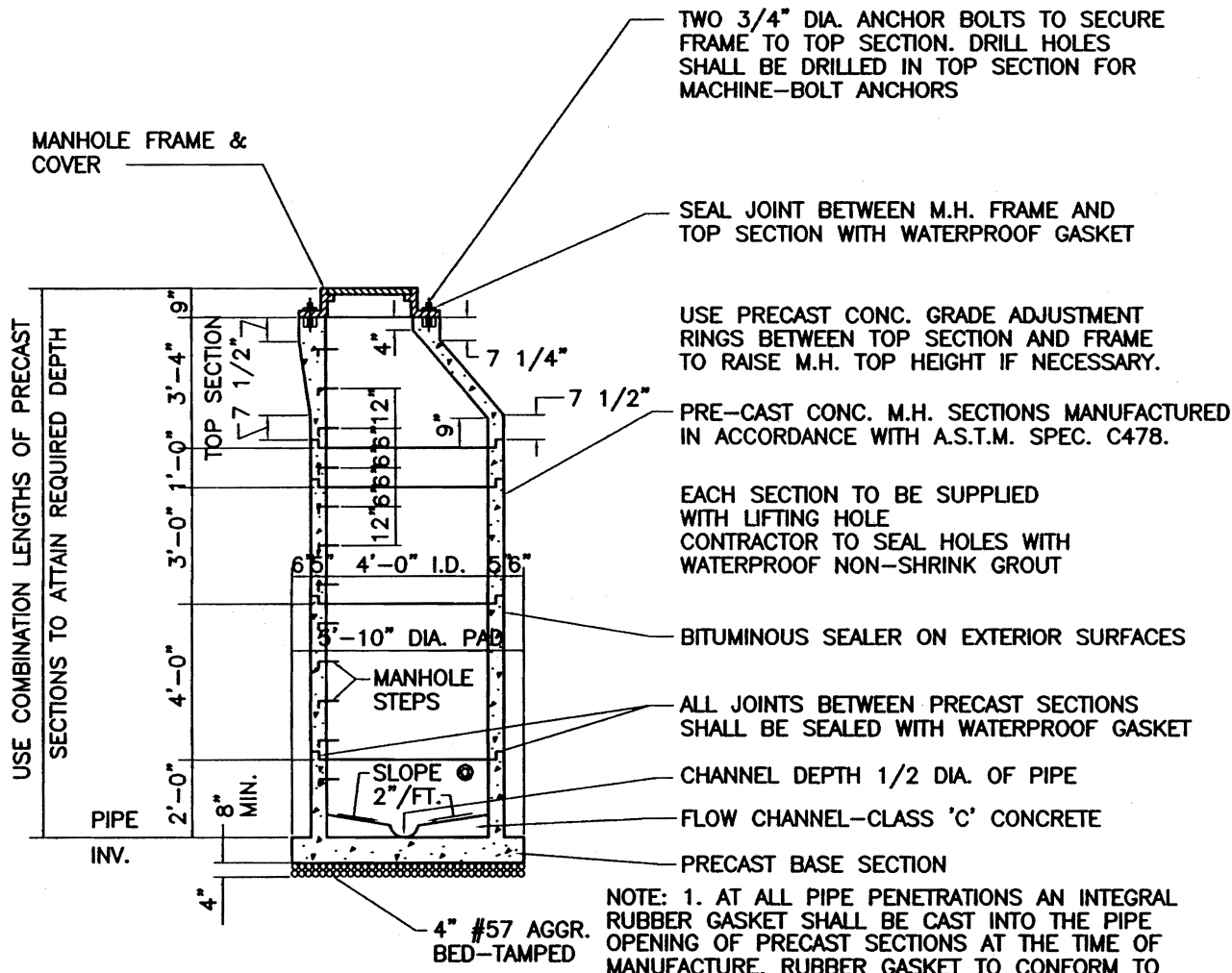


PVC PIPE

PIPE BEDDING

N.T.S.

TYPICAL DETAIL	
<u>PIPE BEDDING</u>	
PAINT TWP.	PLATE III

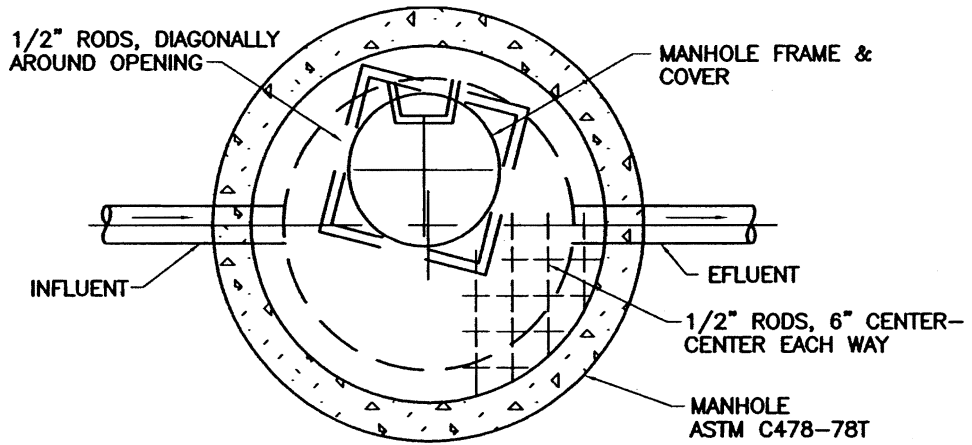


PRECAST MANHOLE
N.T.S.

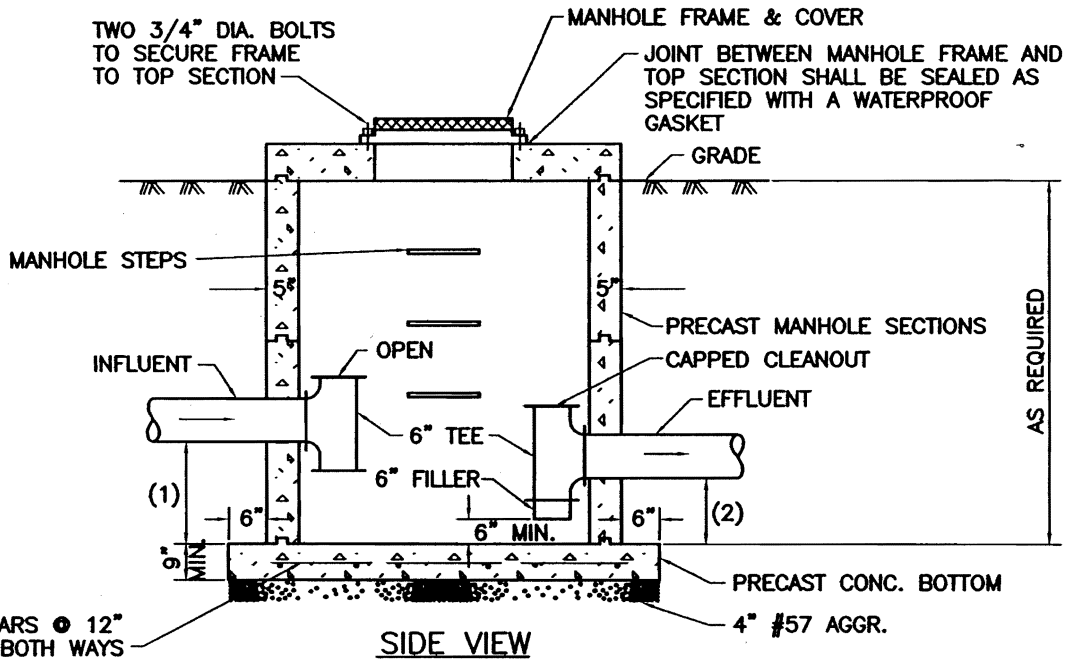
NOTE: 1. AT ALL PIPE PENETRATIONS AN INTEGRAL RUBBER GASKET SHALL BE CAST INTO THE PIPE OPENING OF PRECAST SECTIONS AT THE TIME OF MANUFACTURE. RUBBER GASKET TO CONFORM TO CONTRACT SPECIFICATIONS.

TYPICAL DETAIL	
PRECAST MANHOLE	
PAINT TWP.	PLATE IV

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TOP VIEW



SIDE VIEW

4' DIA. M.H. GREASE TRAP CAPACITY

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

GREASE TRAP

N.T.S.

5' DIA. M.H. 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"

TYPICAL DETAIL

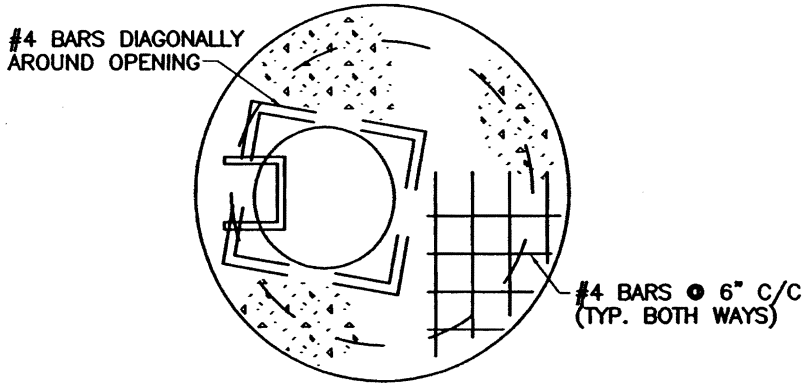
GREASE TRAP

PAINT TWP.

PLATE

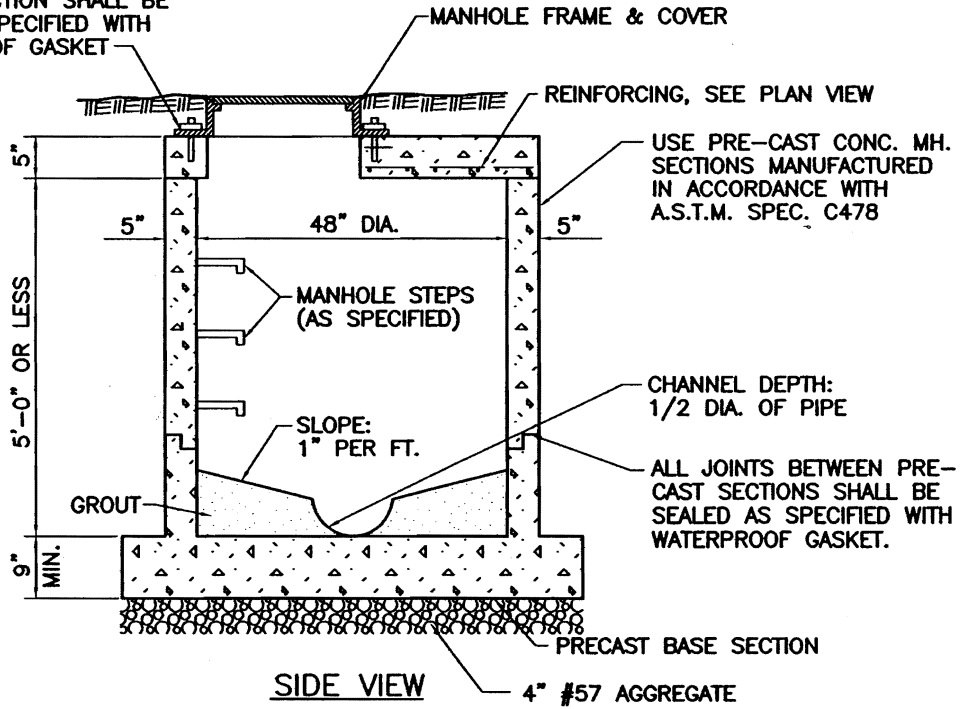
V

\\Somsolve\Sanitary\DETAILS\PLATE DETAILS\PAINT TWP.dwg, Model, 3/24/2008 4:23:41 PM



PLAN

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

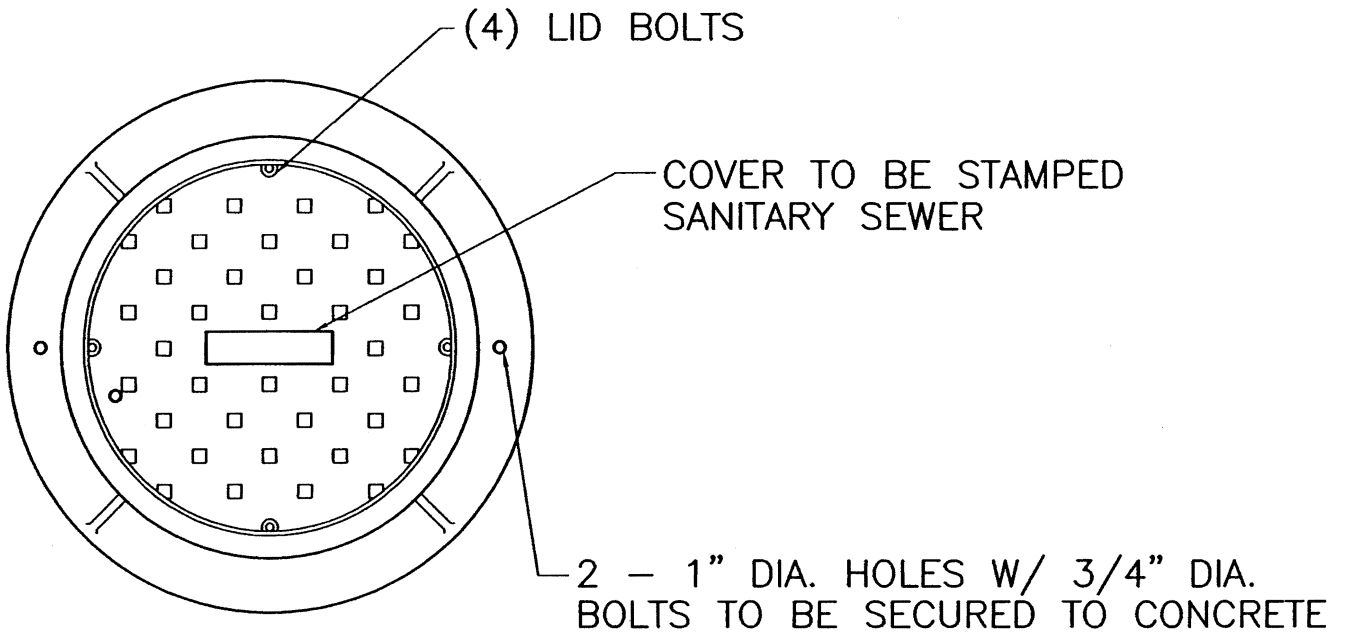


SIDE VIEW

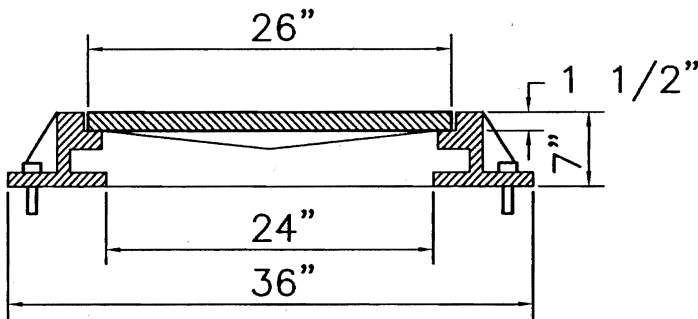
PRE-CAST SHALLOW MANHOLE

N.T.S.

TYPICAL DETAIL	
PRE-CAST SHALLOW MANHOLE	
PAINT TWP.	PLATE VI



TOP VIEW



SECTION

WATERTIGHT MANHOLE
FRAME AND COVER

N.T.S.

- NOTE: 1. NEENAH SERIES R-1916-F
DIMENSIONS ARE SHOWN.
2. WATERPROOF GASKET TO BE
INSTALLED BETWEEN FRAME
AND CONCRETE SURFACE.

TYPICAL DETAIL

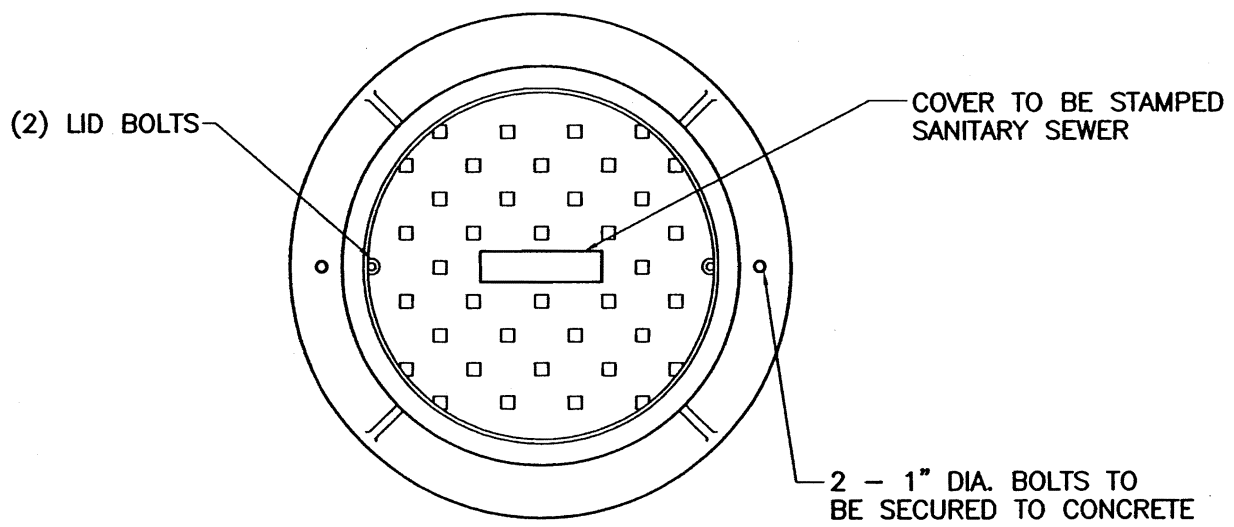
WATERTIGHT MANHOLE
FRAME AND COVER

PAINT TWP.

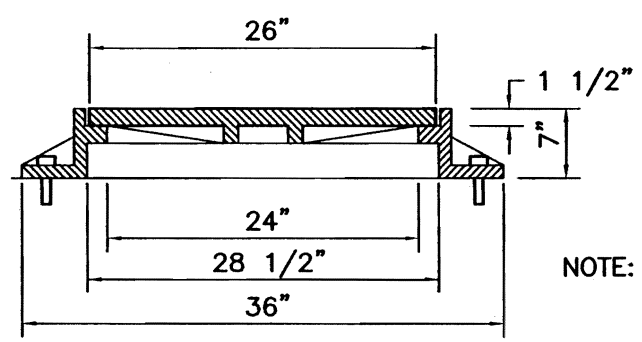
PLATE

VII

\\Somserve\Srv...ry\DETAILS\PLATE DETAILS\PAINT TWP.dwg, Model, 3/24/2008 4:58 PM



TOP VIEW



SECTION

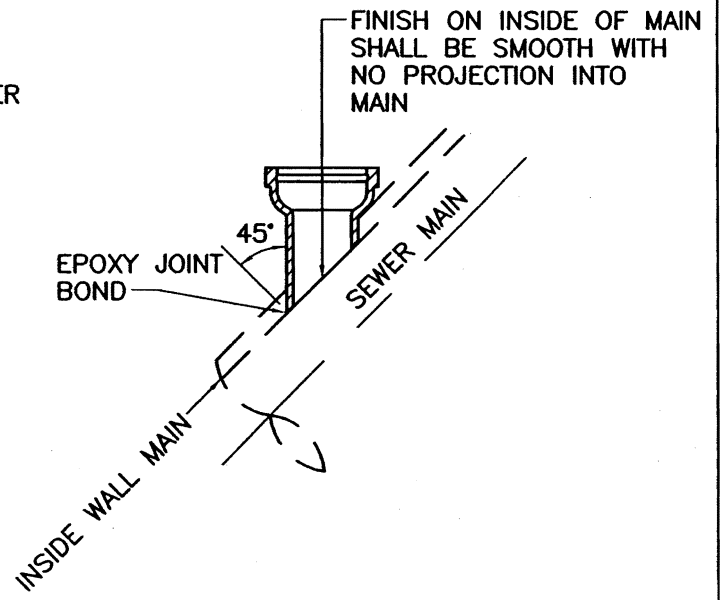
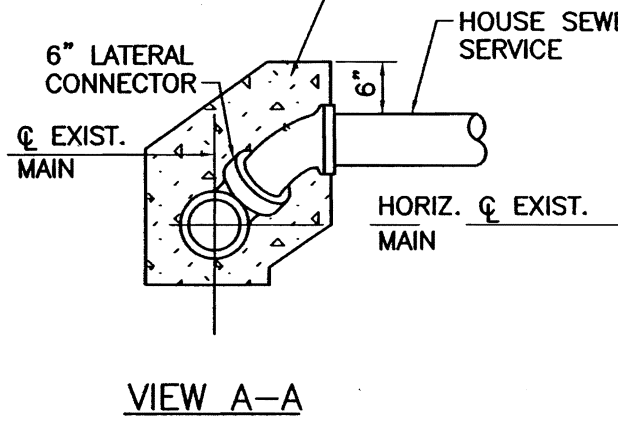
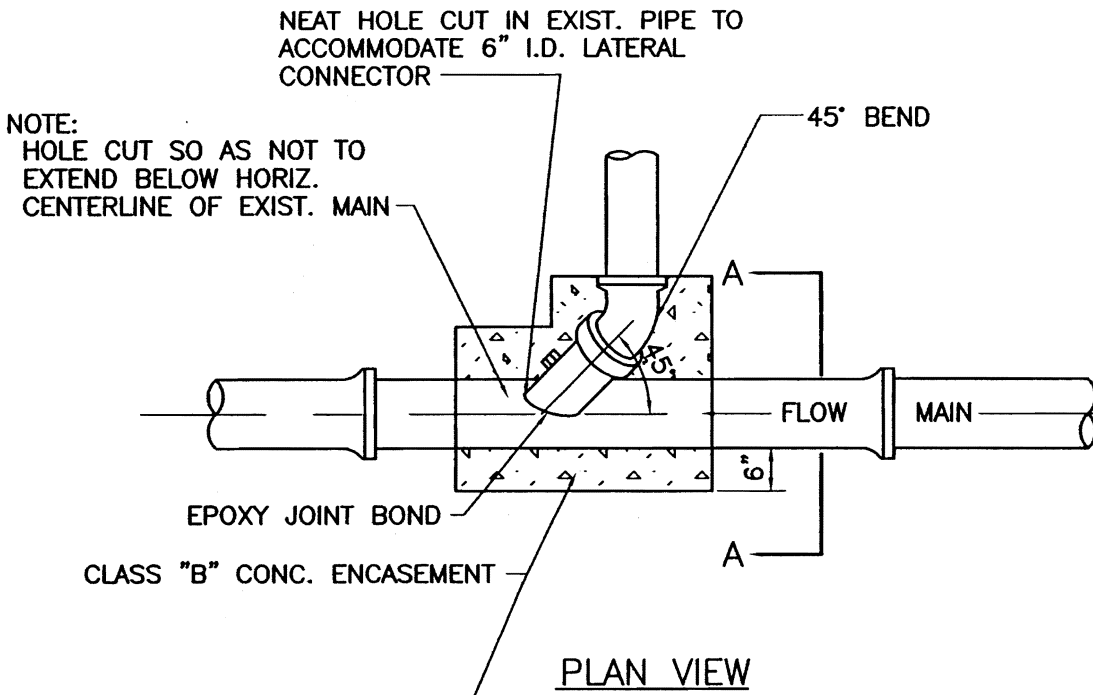
NOTE: 1. NEENAH SERIES R-1642 DIMENSIONS ARE SHOWN.
2. WATERPROOF GASKET TO BE INSTALLED BETWEEN FRAME AND CONCRETE SURFACE.

STANDARD MANHOLE
FRAME AND COVER

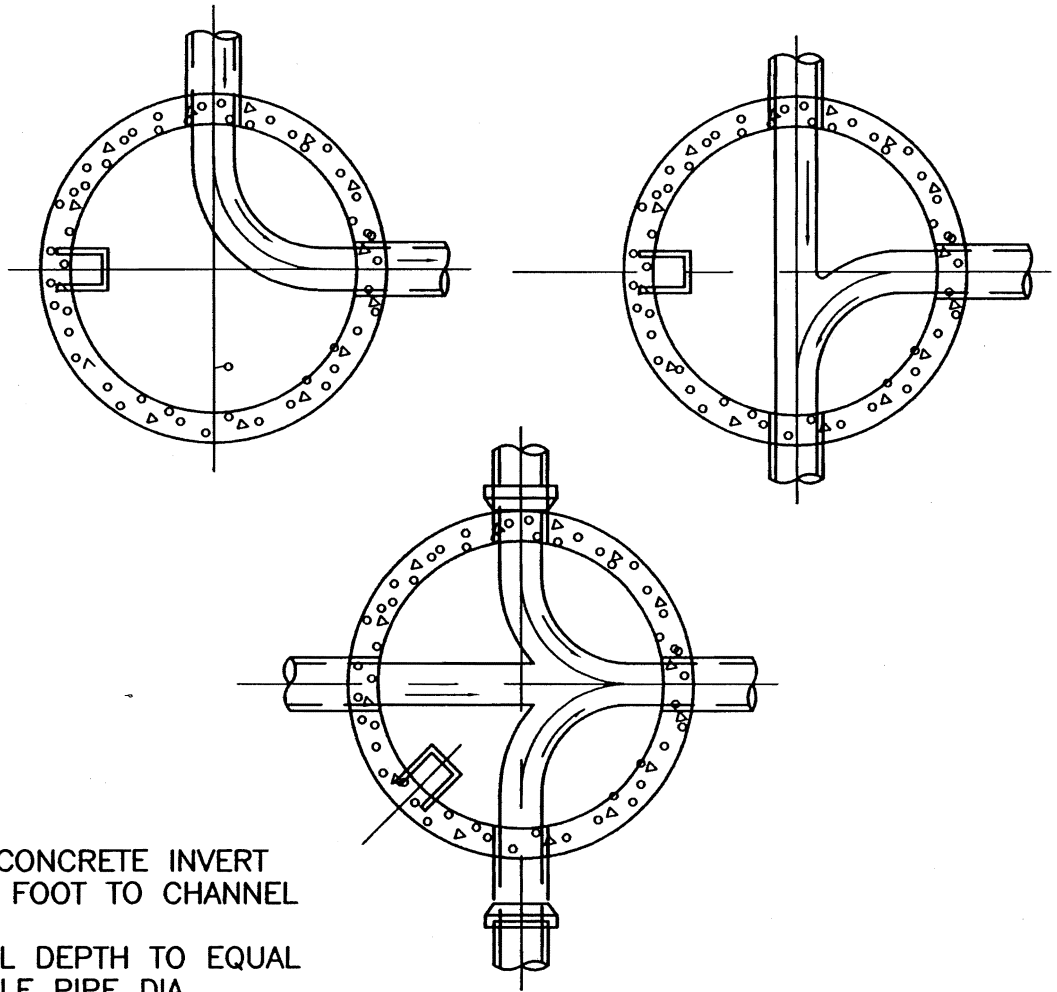
N.T.S.

TYPICAL DETAIL	
<u>STANDARD MANHOLE</u> <u>FRAME AND COVER</u>	
PAINT TWP.	PLATE VIII

\\Somserve\c\nitary\DETAILS\PLATE DETAILS\PAINT TWP.dwg, Model, 3/24/2008, 1:23:59 PM



TYPICAL DETAIL	
<u>SEWER SADDLE CONNECTION</u> <u>TO EXISTING COLLECTOR SEWER</u>	
PAINT TWP.	PLATE IX



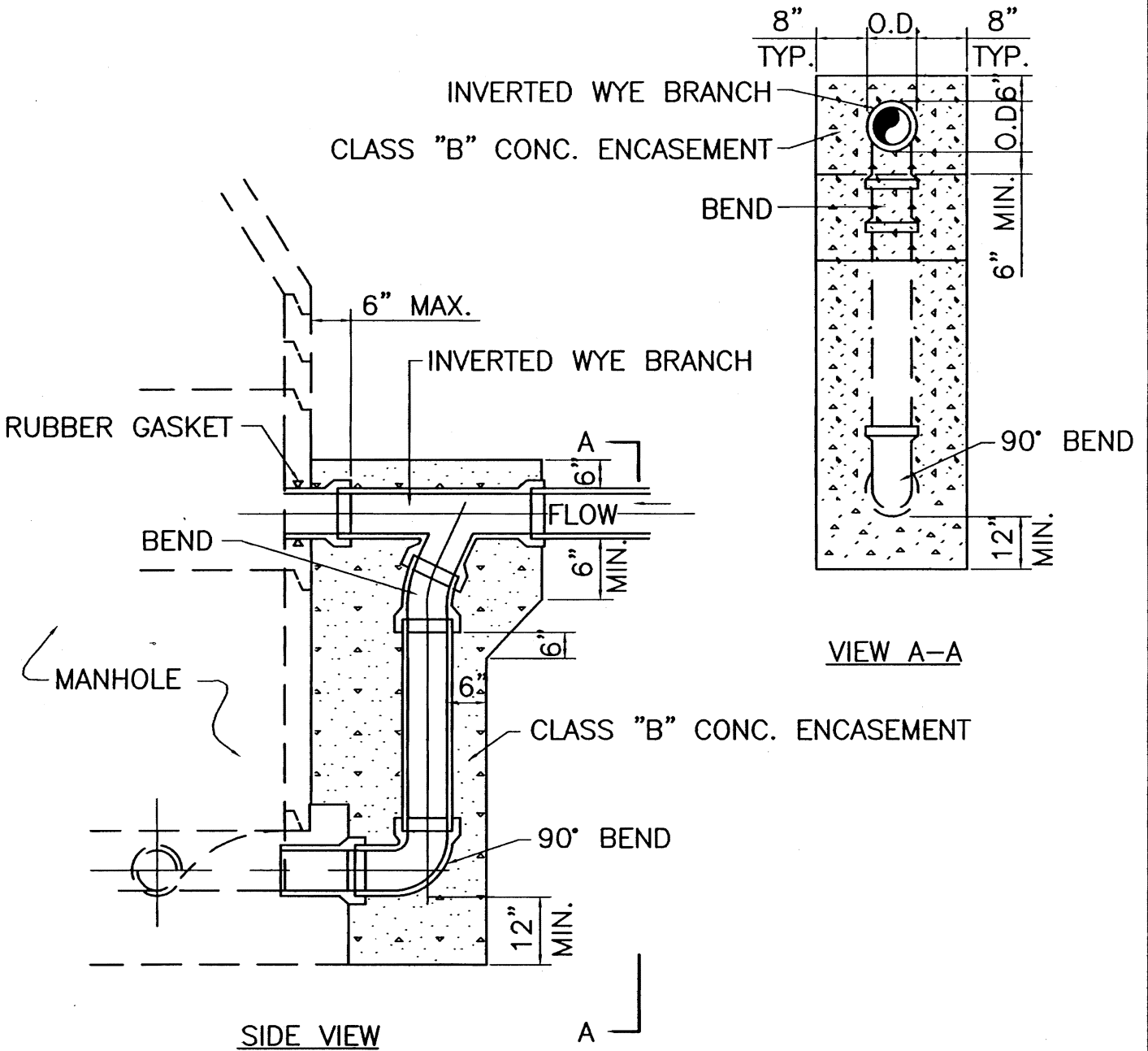
NOTES:

- 1. SLOPE CONCRETE INVERT
1" PER FOOT TO CHANNEL
- 2. CHANNEL DEPTH TO EQUAL
ONE HALF PIPE DIA.

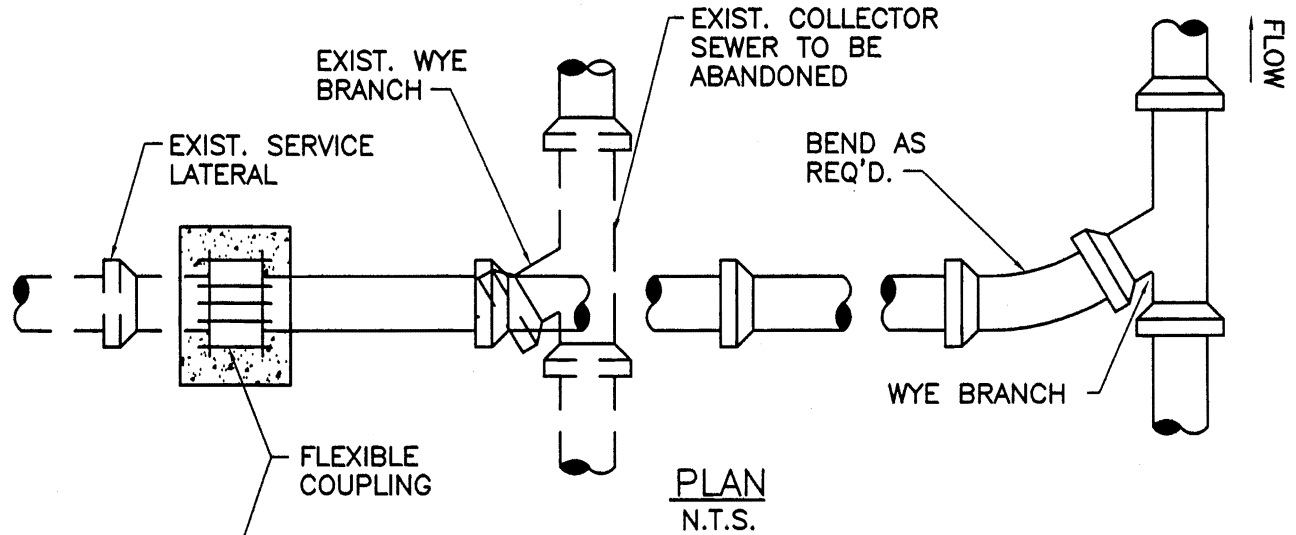
MANHOLE CHANNEL ORIENTATION
N.T.S.

TYPICAL DETAIL	
<u>MANHOLE CHANNEL ORIENTATION</u>	
PAINT TWP.	PLATE X

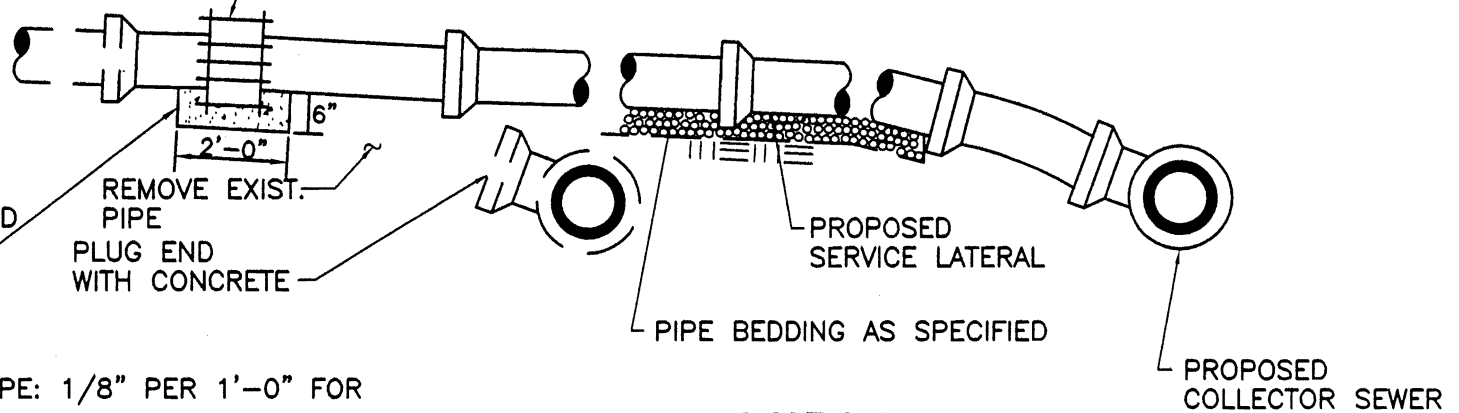
\\Somsolve\Sc_jry\DETAILS\PLATE DETAILS\PAINT TWP.dwg, Model, 3/24/2008 4:12:29 PM



TYPICAL DETAIL	
<u>DROP CONNECTION TO</u> <u>STANDARD MANHOLE</u>	
PAINT TWP.	PLATE XI



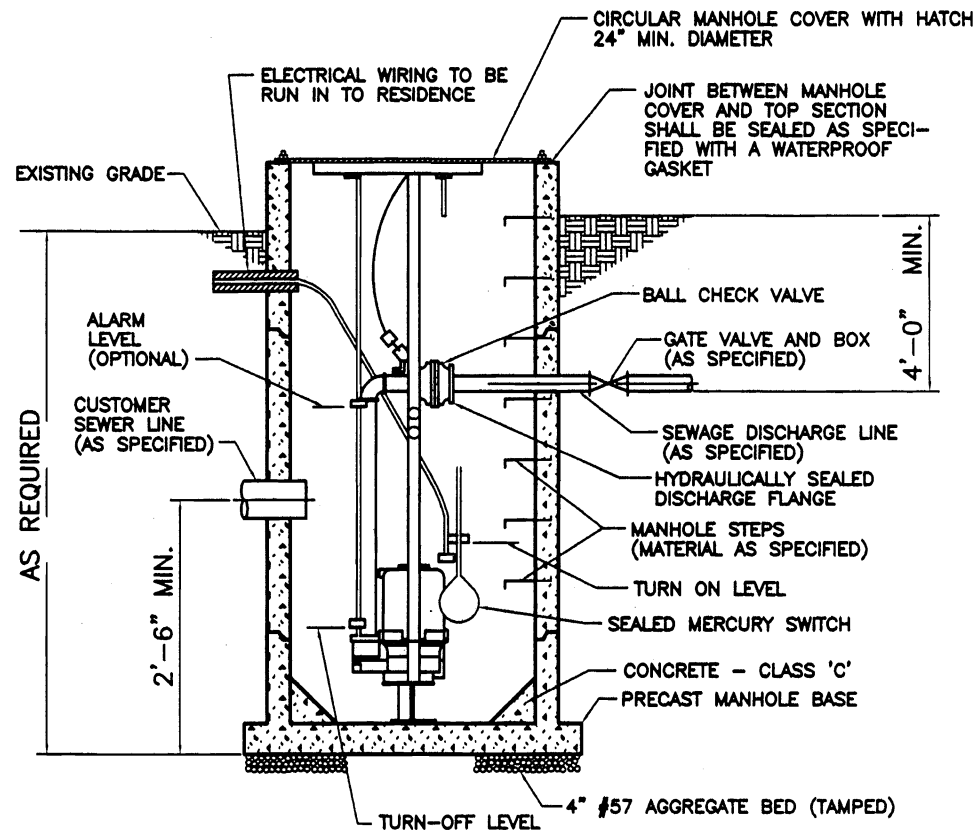
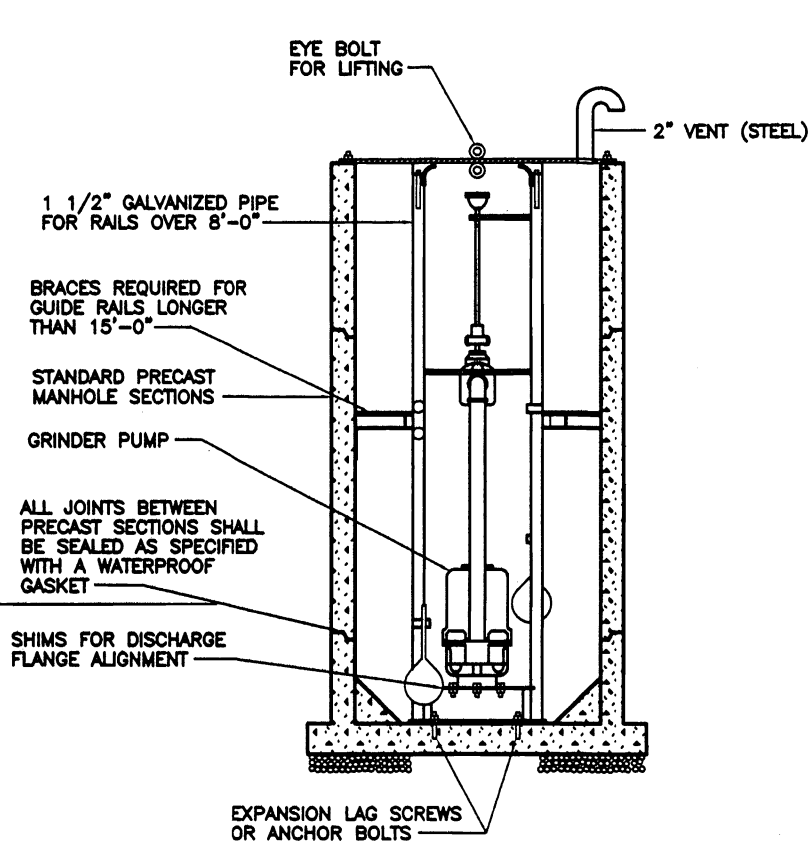
6" THICK CONC. SUPPORT TO EXTEND 6" BEYOND WIDTH OF TRENCH ON UNDISTURBED EARTH (TYP)



NOTES:

1. MINIMUM SLOPE: 1/8" PER 1'-0" FOR 6" LATERAL
2. CONNECTION TO SEWERS SHALL BE ENCASED IN CLASS 'C' CONCRETE. MIN. OF 6" ON ALL SIDES AT COLLECTOR SEWER.

TYPICAL DETAIL	
TYPICAL SERVICE CONNECTION TO NEW COLLECTOR SEWER	
PAINT TWP.	PLATE XIII



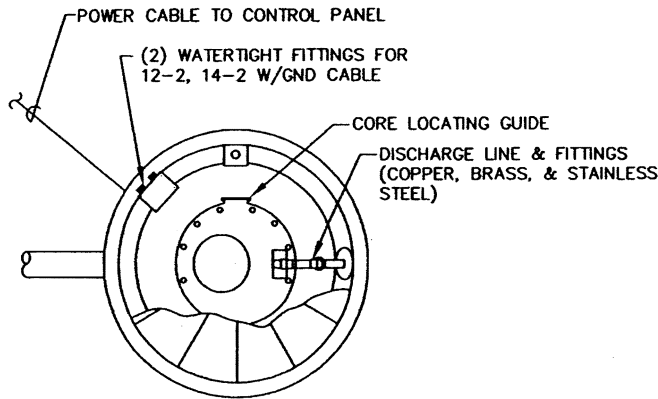
NOTE: 1. PRECAST CONCRETE MANHOLE SECTIONS MANUFACTURED IN ACCORDANCE WITH A.S.T.M. SPECIFICATION C478-64T, 3'-0" MIN. DIAMETER

SECTIONS

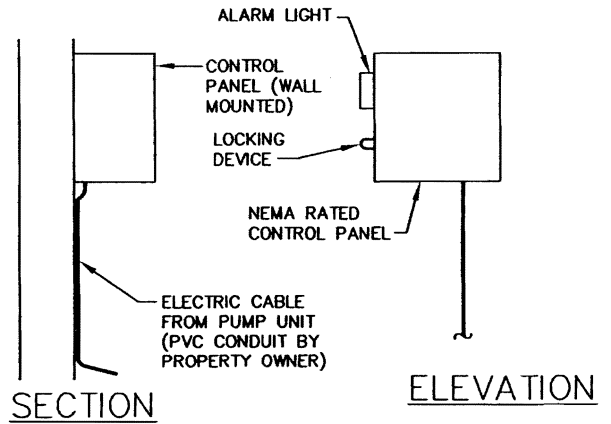
GRINDER PUMP INSTALLATION

OUT-OF-DOOR
 N.T.S.

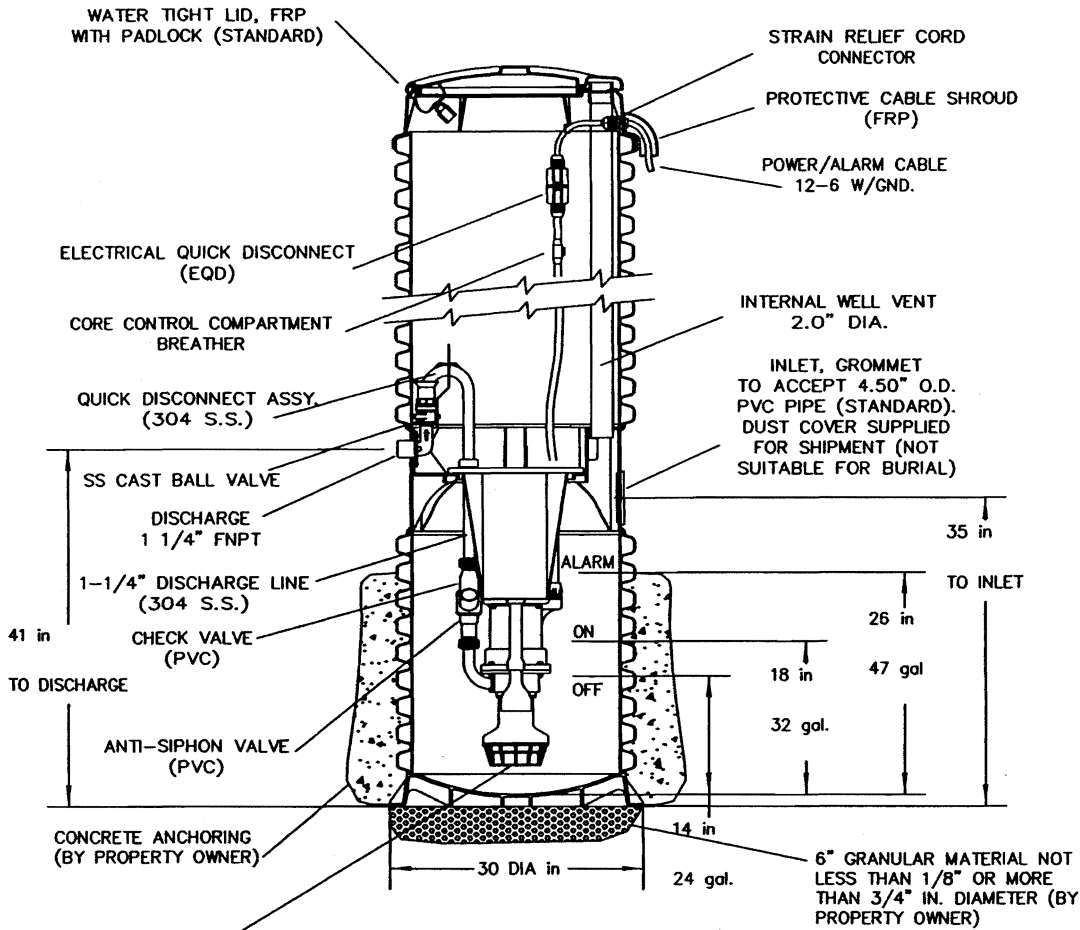
TYPICAL DETAIL	
GRINDER PUMP INSTALLATION OUT-OF-DOOR	
PAINT TWP.	PLATE XIV



PLAN
NTS.



CONTROL PANEL
NTS.



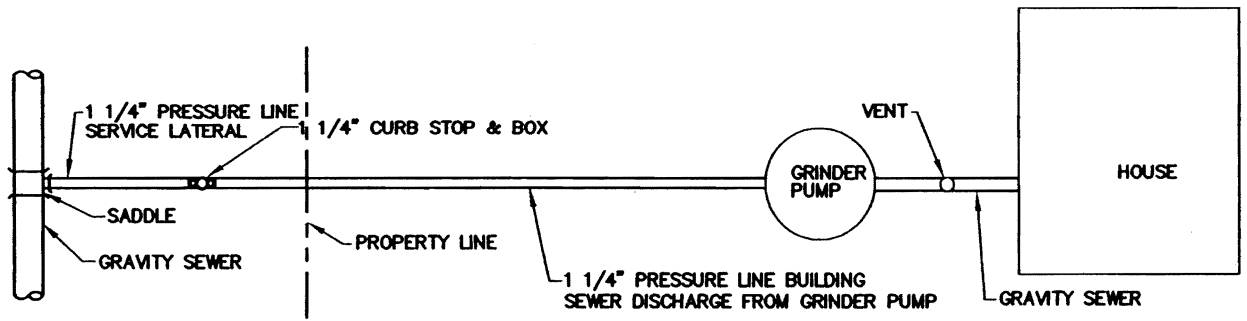
SEMI-POSITIVE DISPLACEMENT TYPE PUMP
DIRECTLY DRIVEN BY A 1 HP MOTOR
CAPABLE OF DELIVERING 9 gpm AT 138' T.D.H.
(34 lpm AT 42m T.D.H.)

TYPICAL DETAIL

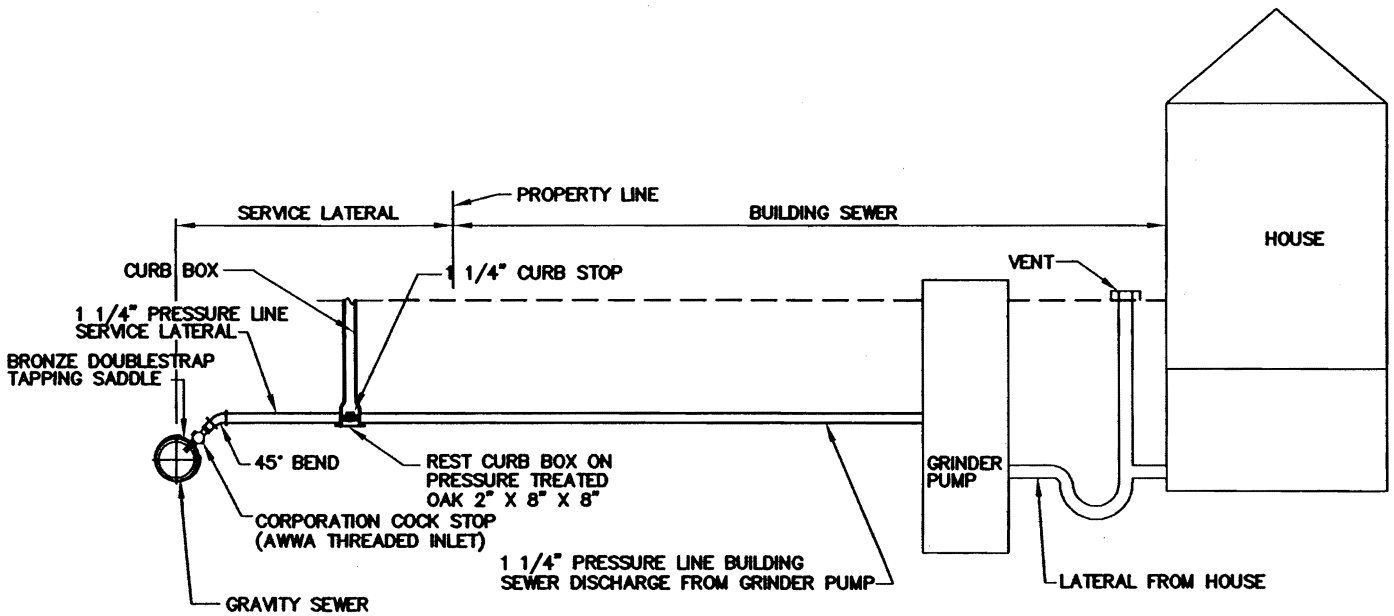
GRINDER PUMP INSTALLATION
OUT-OF-DOOR

PAINT TWP.

PLATE XV

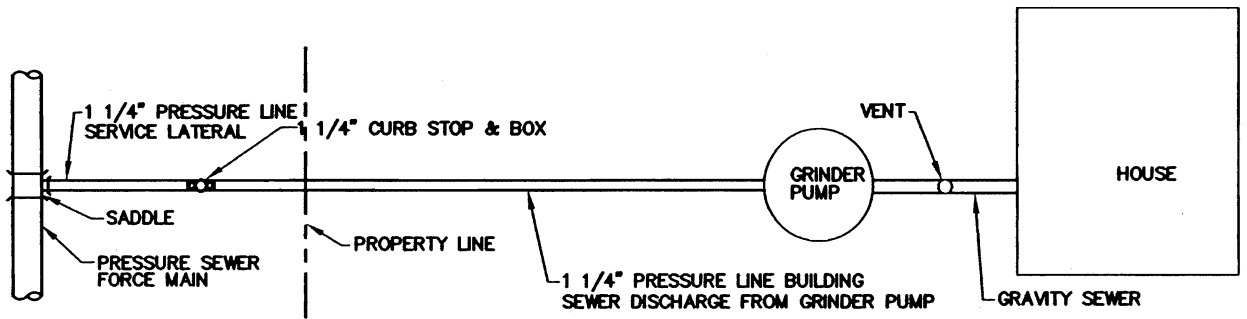


PLAN
N.T.S.

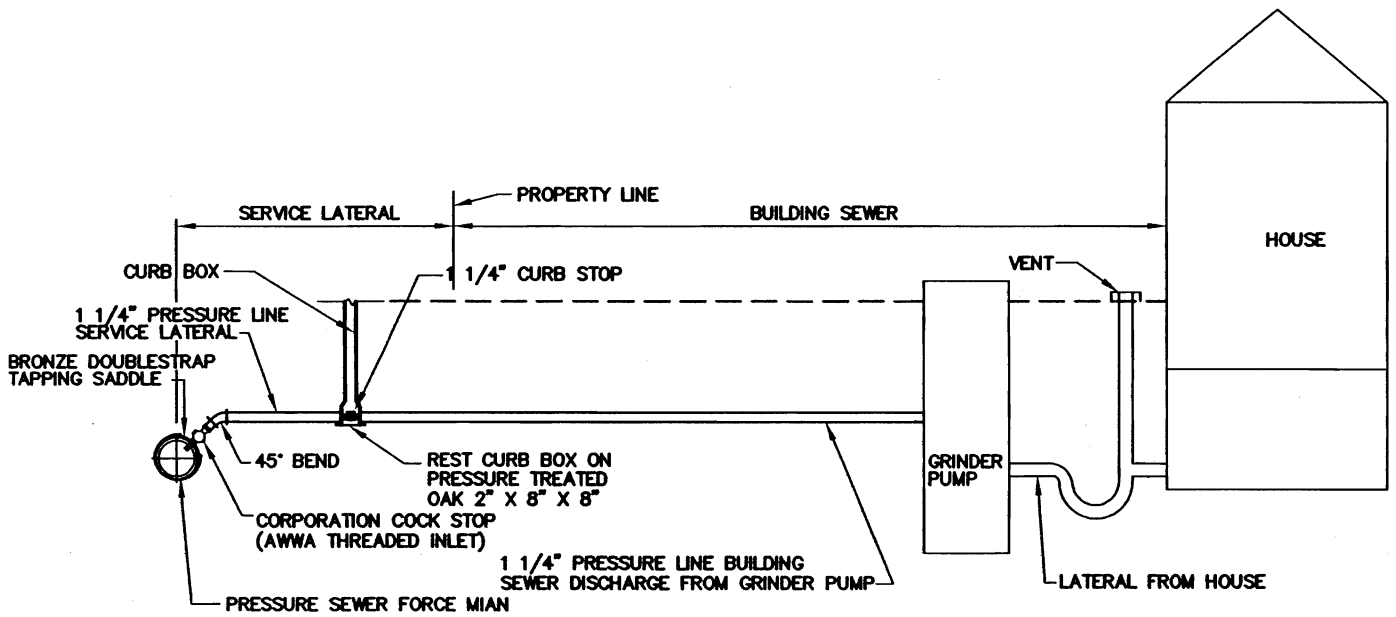


SECTION
N.T.S.

TYPICAL DETAIL		
<u>GRINDER PUMP DISCHARGE</u> <u>CONNECTION TO</u> <u>GRAVITY SEWER</u>		
PAINT TWP.	PLATE	XVI



PLAN
N.T.S.



SECTION
N.T.S.

TYPICAL DETAIL		
<u>GRINDER PUMP DISCHARGE</u> <u>CONNECTION TO A PRESSURE</u> <u>SEWER FORCE MAIN</u>		
PAINT TWP.	PLATE	XVII

Township of Paint
Somerset County, Pennsylvania

Sanitary Sewer System
Connections to Existing Collection Sewers
Condensed Rules and Regulations

Revised April 2008

**Township of Paint
1741 Basin Drive
Windber, Pennsylvania 15963**

**Sanitary Sewer System
Connections to Existing Collection Sewers
Rules and Regulations
As Condensed**

1. The following is condensed from Rules and Regulations of the Township of Paint. Not all of the Rules and Regulations are included, but only those that may be of guidance to an individual homeowner or property owner in making initial sanitary sewer connection to the Township's and/or Authority system. In the event of any conflict between the condensed version form and the Rules and Regulations as adopted by the Township and/or Authority, the said Rules and Regulations as adopted by the Township and/or Authority shall control. Copies of the Rules and Regulations of the Township and/or Authority as adopted are available at the office of the Township and/or Authority.

2. The following definitions are applicable to the sanitary sewer system of the Township:

SEWAGE. Shall mean a combination of water-carried wastes from residents, business buildings, institutions and industrial and commercial establishments, together with such ground, surface or storm water as may be present.

SEWER. Shall mean a pipe or conduit for carrying sewage.

SANITARY SEWAGE. Shall mean the normal water-carried household and toilet waste from residences, business buildings, industrial and commercial establishments, exclusive of storm runoff, surface water or ground water.

OCCUPIED BUILDING. Shall mean any structure erected and intended for continuous or periodic habitation, occupancy or use by human beings, or animals and from which structure sanitary sewage and industrial waste, or either thereof, is or may be discharged.

PREMISES ACCESSIBLE TO THE PUBLIC SANITARY SEWAGE SYSTEM. Shall mean any real estate abutting on or adjoining or having access to any street, alley or right of way in which a sewer is located which ultimately connects to the public sanitary sewage system.

SERVICE LATERAL. Shall mean that part of the sewer system extending from a collection sewer to the property line, or, if no such service lateral shall be provided, then Service Lateral shall mean that portion of, or place in, a collection sewer which is provided for connection of any building sewer.

BUILDING SEWER. Shall mean the extension from sewer drainage system of any structure to the service lateral of a collection system.

BUILDING DRAIN. Shall mean that part of the lowest horizontal piping of the drainage system of the residence or structure which receives the discharge of waste and sanitary sewage from the residence or structure and conveys it to the building connection.

COLLECTION SEWER. Shall mean the Township's collection sanitary sewers located under highways, roads, streets, and rights-of-way with branch service laterals that collect and convey sanitary sewage or industrial wastes or a combination of both and into which storm, surface and ground waters are not intentionally admitted.

3. Customers desiring to connect any property to the existing sanitary sewer system must file a written application on forms furnished by the Township. Enforcement of the Township's rules and regulations are per ordinances adopted by the Township.
4. No privy vault, cesspool, septic tank, mine hole or similar receptacle for sanitary sewage shall at any time be connected to or emptied or pumped into the sanitary sewer system.
5. No roof drains shall be connected to the sanitary sewer system at any time. No storm water, foundation drain water, spring water or surface drain water shall be allowed to enter the sanitary sewer system. Each property shall have their building drains properly tested to insure only sanitary sewage will drain to the building connection. Such testing shall be witnessed by an authorized representative of the Township and performed by a qualified plumber. The testing procedures are outlined in Article XIX of the Township's Rules and Regulations appended hereto. If it is determined the existing building drains underground (or under existing floor slabs) are not watertight, then the Township will not permit the drains to discharge to the sanitary sewer. The drains that failed the test may continue to be discharged to surface waters; **however**, grey water (from washing machines, sinks, etc.) or sanitary sewage wastes are **not** permitted by municipal ordinance to be discharged to surface waters. Their separate discharges would have to be either removed or redirected from the drains that failed the test to the sanitary sewer system.
6. All individual property owners and users of the sanitary sewer system are responsible for the proper observance of Township and/or Authority's Rules and Regulations and applicable provisions of law.
7. Connection to the sanitary sewer system and the construction of the service lateral and the building sewer connection shall be the sole responsibility and expense of the individual property owner. This condensed rules and regulations is specific for "gravity" service lateral/building sewer requirements – if a grinder pump installation is required, then the applicant should consult the complete Township and/or Authority rules and regulations.
8. All building sewer connections installed shall be constructed of 4-inch diameter pipe, constructed with a slope or fall of ¼ inch per foot (2% slope) or greater or a 6-inch diameter pipe with a grade or fall of 1/8 inch per foot (1% slope) or greater. A larger size may be required depending upon the conditions of an individual property. All commercial/industrial connections that serve greater than 2 EDU's shall be a minimum 6" diameter service lateral and building sewer.

9. The Specifications for pipe for individual house connection lines are as follows:

PVC polyvinyl chloride (PVC) plastic sewer pipe (ASTM D-3034) with SDR 35. PVC Schedule 40 is also acceptable. Such polyvinyl chloride plastic pipe must be installed with either a rubber ring joint or a solvent cemented joint.
10. All pipe must meet the latest applicable ASTM specifications for conditions encountered in the installation of the individual property.
11. All connections to the building sewer and the house lateral may be made with a flexible pipe adaptor approved by the Township and/or Authority, if required.
12. Each building sewer connection line shall include an inspection viewport constructed at the property line, a vent line constructed no more than five feet from the foundation wall of the building and a trap. Refer Detail Plate 1.
13. After any property shall be connected to the sanitary sewer system, all existing cesspools, privies, vaults, septic tanks, cisterns or other depositories shall be disconnected and any inlet and outlet shall be capped with a watertight seal, if required. Refer Detail Plate 2.
14. The building sewer connection shall be constructed as shown on Detail Plate 3. The pipe zone bedding material shall be approved stone aggregate material or sand. The backfill material above the pipe zone shall be approved excavated material from the trench (no stones larger than 3" in any dimension, no frozen material, no organic material, etc.) tamped in 6" layers to the surface.
15. No alterations or additions to any building sewer connection line shall be made without written permission from the Township specifying the alterations or additions to be made. No property owner or user or occupier of any property shall permit any other person or premises to use or connect with his building sewer connection line except with the prior written permission of the Township.
16. No connection shall be made to the sanitary sewer system and the cap on the wye connector shall not be removed until an authorized representative of the Township has inspected the building sewer connection line. No building sewer connection line (including any newly constructed pipe or any existing pipe) shall be backfilled or covered until approved by an authorized representative of the Township.
17. If, upon inspection, it is determined that the building sewer connection line does not comply with the Township's Rules and Regulations, and a reinspection of the premises is required, there shall be a charge for each such reconnection.

END

Township of Paint
Somerset County, Pennsylvania

Sanitary Sewer System
Connections to New Project Collection Sewers
Condensed Rules and Regulations

Revised April 2008

**Paint Township
1741 Basin Drive
Windber, Pennsylvania 15963**

**Sanitary Sewer System
Connections to New Project Collection Sewers
Rules and Regulations
As Condensed**

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BUILDING DRAIN. Shall mean that part of the lowest horizontal piping of the drainage system of the residence or structure which receives the discharge of waste and sanitary sewage from the residence or structure and conveys it to the building connection.

COLLECTION SEWER. Shall mean the Township's collection sanitary sewers located under highways, roads, streets, and rights-of-way with branch service laterals that collect and convey sanitary sewage or industrial wastes or a combination of both and into which storm, surface and ground waters are not intentionally admitted.

3. Upon completion of the new project's sanitary sewer system construction by the Township, including the completion of the construction of the collection sewer and the service lateral to an individual property, an individual whose property abuts the sewer system will be directed to connect to the sanitary sewer system within 90 days as required by the ordinances adopted by the Township of Paint. If the connection cannot be completed within the 90-day period due to causes beyond his/her control, he/she may apply for an extension of time of not more than six months within which to connect.
4. Application for late connection shall include an agreement on the part of the applicant to agree to commence paying the regular monthly sewer rate immediately even though actual connection will not be completed until some later date within the six month extension period.
5. After completion of the Township and/or Authority's initial construction phase, customers desiring to connect any property to the sanitary sewer system must file a written application on forms furnished by the Township and/or Authority.
6. No privy vault, cesspool, septic tank, mine hole or similar receptacle for sanitary sewage shall at any time be connected to or emptied or pumped into the sanitary sewer system.
7. No roof drains shall be connected to the sanitary sewer system at any time. No storm water, foundation drain water, spring water or surface drain water shall be allowed to enter the sanitary sewer system. Each property shall have their building drains properly tested to insure only sanitary sewage will drain to the building connection. Such testing shall be witnessed by an authorized representative of the Township and performed by a qualified plumber. The testing procedures are outlined in Article XIX of the Township's Rules and Regulations appended hereto. If it is determined the existing building drains underground (or under existing floor slabs) are not watertight, then the Township will not permit the drains to discharge to the sanitary sewer. The drains that failed the test may continue to be discharged to surface waters; **however**, grey water (from washing machines, sinks, etc.) or sanitary sewage wastes are **not** permitted by municipal ordinance to be discharged to surface waters. Their separate discharges would have to be either removed or redirected from the drains that failed the test to the sanitary sewer system.
8. After a connection notice has been given to any person, failure to connect shall, upon conviction before a magistrate, result in a fine or penalty.

9. All individual property owners and users of the sanitary sewer system are responsible for the proper observance of Township and/or Authority's Rules and Regulations and applicable provisions of law.
10. Connection to the sanitary sewer system and the construction of the **building sewer connection** shall be the sole responsibility and expense of the individual property owner. This condensed rules and regulations is specific for "gravity" service lateral/building sewer requirements – if a grinder pump installation is required, then the applicant should consult the complete Township and/or Authority rules and regulations.
11. All building sewer connections installed shall be constructed of 4-inch diameter pipe, constructed with a slope or fall of ¼ inch per foot (2% slope) or greater or a 6-inch diameter pipe with a grade or fall of 1/8 inch per foot (1% slope) or greater. A larger size may be required depending upon the conditions of an individual property. All commercial/industrial connections that serve greater than 2 EDU's shall be a minimum 6" diameter service lateral and building sewer.
12. The Specifications for pipe for individual house connection lines are as follows:

PVC polyvinyl chloride (PVC) plastic sewer pipe (ASTM D-3034) with SDR 35. PVC Schedule 40 is also acceptable. Such polyvinyl chloride plastic pipe must be installed with either a rubber ring joint or a solvent cemented joint.
13. All pipe must meet the latest applicable ASTM specifications for conditions encountered in the installation of the individual property.
14. All connections to the building sewer and the house lateral may be made with a flexible pipe adaptor approved by the Township and/or Authority, if required.
15. Each building sewer connection line shall include an inspection viewport constructed at the property line, a vent line constructed no more than five feet from the foundation wall of the building and a trap. Refer Detail Plate 1.
16. After any property shall be connected to the sanitary sewer system, all existing cesspools, privies, vaults, septic tanks, cisterns or other depositories shall be disconnected and any inlet and outlet shall be capped with a watertight seal, if required. Refer Detail Plate 2.
17. The building sewer connection shall be constructed as shown on Detail Plate 3. The pipe zone bedding material shall be approved stone aggregate material or sand. The backfill material above the pipe zone shall be approved excavated material from the trench (no stones larger than 3" in any dimension, no frozen material, no organic material, etc.) tamped in 6" layers to the surface.

18. No alterations or additions to any building sewer connection line shall be made without written permission from the Township specifying the alterations or additions to be made. No property owner or user or occupier of any property shall permit any other person or premises to use or connect with his building sewer connection line except with the prior written permission of the Township.
19. No connection shall be made to the sanitary sewer system and the cap on the wye connector shall not be removed until an authorized representative of the Township has inspected the building sewer connection line. No building sewer connection line (including any newly constructed pipe or any existing pipe) shall be backfilled or covered until approved by an authorized representative of the Township.
20. If, upon inspection, it is determined that the building sewer connection line does not comply with the Township's Rules and Regulations, and a reinspection of the premises is required, there shall be a charge for each such reconnection.

END

Supplement to Condensed Rules and Regulations
for
Grinder Pump Unit Installation

**Paint Township
Somerset County, Pennsylvania
Sanitary Sewer System**

**SUPPLEMENT TO CONDENSED RULES AND REGULATIONS
FOR
GRINDER PUMP UNIT INSTALLATION**

1. The following is a supplement to the condensed Rules and Regulations for connections to the **Township's** collection sewers.
2. Refer to supplement pages 2 and 3 for the requirements for grinder pump installations (Article XIV from the **Township's** main Rules and Regulations.)
3. Appended are Plates XIV and XV showing the typical unit installations and Plates XVI and XVII showing pipe discharge connections.
4. If the grinder pump unit serves more than one (1) EDU, then the homeowner or commercial/industrial customer shall advise the **Township**, in writing, so the **Township** may determine if the grinder unit and discharge piping are sized properly.
5. *One grinder pump cannot serve more than one parcel of property.*
6. *Property containing multiple dwellings must be owned by one owner may be served by one grinder pump.*

April 2008

ARTICLE XIV

PROPOSED INDIVIDUAL HOUSE SERVICE PUMP INSTALLATIONS

Section 1401. Where owner or owners of property are unable to make connections from their principal building to the sanitary sewer by a gravity service lateral as previously described, the owner or owners, if they so desire, may install an individual house service pump installation as hereafter described.

Section 1402. The grinder pump and motor are to be specially designed and manufactured so they can operate completely submerged in the liquid being pumped. The grinder pump unit shall be capable of reducing any material in the wastewater which enters the grinder unit to such size that the material will pass through the pump unit and pressure sewer without plugging or clogging. No screens or other devices requiring regular maintenance shall be used to prevent trashy material from the grinder pump.

Section 1403. Pump shall have a minimum capacity of 8 GPM. Total pump discharge head will depend on each individual installation. Pump motor shall be minimum 1 HP, 1 phase power.

Section 1404. Alarm light shall be supplied in a separate enclosure for monitoring outside the principal building and to be visible from the front, or roadside.

Section 1405. The minimum net storage capacity of the grinder pump unit shall be approximately 50 gallons. The grinder pump tank should be able to accommodate normal peak flows and emergency storage during a short power failure.

Section 1406. The grinder pump shall have the characteristics which will continue to produce flows of at least 8 gpm even when conditions in the pressure system cause heads to rise temporarily to values higher than the normal maximum.

Section 1407. Check and shut-off valves shall be employed to isolate the grinder pump unit from the house service line and the pressure laterals.

Section 1408. Appropriate high water and overflow detection devices (alarm light) shall be provided.

Section 1409. Provisions shall be made to insure that the grinder pump operates even under temporary loads above normal and contains integral protection against back siphonage and over pressure.

Section 1410. If the grinder pump unit is installed outside the residence, provision must be made for access, as well as protection from weather and vandalism. Inside installations shall be quiet and free from electrical and/or health hazards and (shall) preferably be certified by nationally recognized independent testing laboratories, such as the Underwriter's Laboratories, Inc. and the national Sanitation Foundation. The grinder pump unit must be capable of being removed without dewatering the collection tank.

Section 1411. The sump basin may be of concrete or fiberglass construction.

Section 1412. No pressure sewer lateral less than 1¼" inside diameter shall be provided. The required size shall be determined to maintain low frictional losses in the system and a minimum scouring velocity of 2 feet per second. The pressure sewer piping shall be installed with a minimum 42" depth of cover to protect against freezing and damage from vehicular traffic. PVC SDR-21 pipe or PVC Schedule 40 pipe shall be used. Bedding and backfill procedures shall be as described in previous sections for gravity sewer laterals. Pressure sewer piping shall be color coded (brown) to distinguish the piping from water service lines and tracer metal wire shall be provided above the pipe so the piping can be identified with a metal pipe locator.

Section 1413. Grinder pump units must be serviceable and replaceable under wet conditions without electric hazard to the repair personnel.

Section 1414. If a Homeowner installs a grinder pump unit for sanitary sewer service, obligations are as follows:

1. Homeowner:
 - a. Purchase and installation of grinder pump unit and pressure piping to the gravity sanitary sewer or force main after the Township's written approval.
 - b. Obtain Township's inspection of pump unit and pressure piping before connecting to the public system.
 - c. Provide customary and usual maintenance and care as unit manufacturer and Township recommend.
 - d. Cost of electricity.
 - e. Cost of all repairs and grinder pump replacement.
 - f. Allow an authorized representative of the Township or maintenance person access to the homeowner's property.
 - g. A \$150.00 fee to the Township for calls requested by Homeowner to replace the grinder pump core (E-1 pumps only), plus cost of the pump core.

2. Authority

- a. Inspection of pump unit and pressure piping installation, as necessary.

Section 1415. If the Township installs the pump unit and pressure piping as part of the Township owned system, obligations are as follows:

- 1. Homeowner:
 - a. Execute and deliver for recording an appropriate Right-of-Way Agreement for the pump unit and pressure piping.
 - b. Cost of electricity.
 - c. Cost of grinder pump replacement or repairs and a \$150.00 service fee if it is reasonably determined by the Township that the grinder pump has been damaged by misuse by the Homeowner.
 - d. Allow an authorized representative of the Township or maintenance person access to the Homeowner's property.
- 2. Authority:
 - a. Customary and usual maintenance of the pump unit and pressure piping, as requested.
 - b. Cost of future grinder pump replacement.

ARTICLE XV

DELINQUENCIES, VIOLATIONS AND REMEDIES

This section is covered in the Schedule of Rates and Charges Ordinance as set forth by the Township.

Standard Forms

**Township of Paint
1741 Basin Drive
Windber, Pennsylvania 15963**

**SANITARY SEWAGE
BUILDING SEWER CONNECTION PERMIT
Application and Approval**

NAME: _____

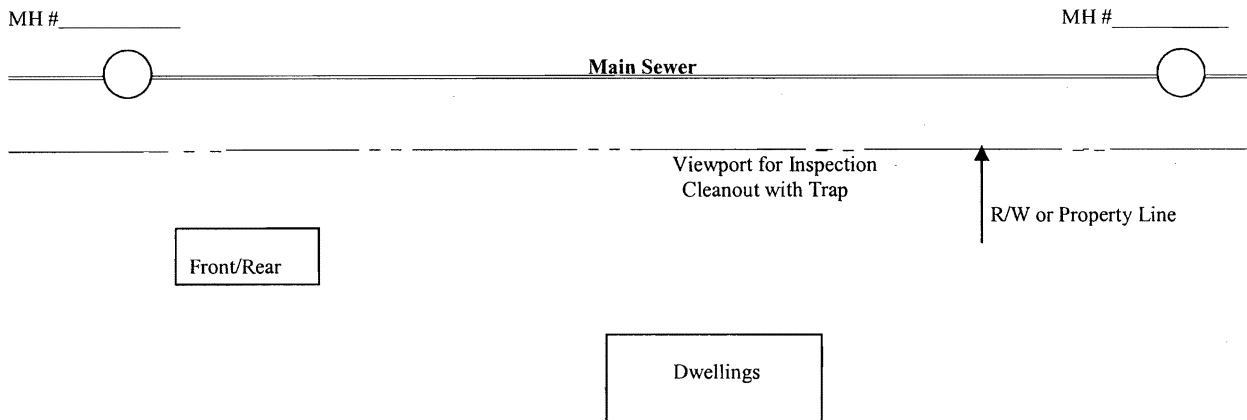
ACCOUNT # _____

TO: **Township of Paint**

WATER METER READING _____

I hereby apply for permission to connect to the sanitary sewer system of the **Township of Paint** and for inspection and approval of property/building sewer connection (as shown below) for the property located at: _____

 (Address)



DETAILS OF CONNECTION

Size: _____ Inches
 Length: _____ Feet
 Type of Pipe: _____
 Grade Used: _____
 Type of Riser: _____

Depth Below Grade Near House Cleanout _____ Ft.
 Depth Below Grade Near Wye _____ Ft.
 Drains: Basement _____ Yes _____ No
 Drains: First Floor Only _____

Character and use of each structure on property _____

Connection Fee Paid \$ _____ Receipt No. _____ Date: _____

1. The undersigned hereby certifies that the sanitary sewer connection described herein and shown schematically above has been made in accordance with all applicable rules, regulations, and Details of Standard Building Sewer connection to the Sanitary Sewer of the **Township of Paint**.
2. The undersigned hereby certifies and warrants that there is no roof, foundation surface, underground or storm drains directly or indirectly connected to the sanitary sewer system and that no such drains or similar type drains will in the future be connected to the sanitary sewer system of the **Township of Paint**.
3. The undersigned hereby grants permission to the **Township of Paint** to enter upon the property of the undersigned shown above for the purposes of inspection and examination of the Building Sewer Connection at any time in the future as such inspection might be reasonably necessary in the judgment of the Township.
4. It is understood that this Connection Permit and all the terms thereof are binding upon the heirs, successors, and assigns of the undersigned and all present and future occupants of the above described property.
5. This application and the statements made herein are made for the purpose of inducing the Township to approve the connection to the property described above to the sanitary sewer system of the **Township of Paint**.

**Township of Paint
1741 Basin Drive
Windber, Pennsylvania 15963**

APPLICATION AND AGREEMENT FOR SEWER SERVICE

Date of Application _____

The undersigned hereby makes application to Township of Paint for sewer service for

_____ (Homeowner, Plant, etc.)

at _____ (Address)

in _____ Somerset County, Pennsylvania.

In consideration of the expenditure of money by the Township of Paint in constructing a sanitary sewer system, and in consideration of the execution of similar agreements by others, the undersigned do hereby covenant and agree that when a public sewer has been constructed so that it is accessible to the premises above mentioned, the undersigned will make a connection or cause a connection to be made with said sewer, and at the time will pay the necessary fees prescribed by the Township in advance; and thereafter pay the rates established by the Township for sewerage service, said rates being subject to change in accordance with law; and after said connection has been made, undersigned shall execute the deliver to the Township a certificate relative to said connection on a lot plan provided by the Township.

IN WITNESS WHEREOF, this application has been signed and sealed the day and year above written.

WITNESS: _____ (SEAL)
Owner of Property

_____ (SEAL)
Owner of Property

RECEIPT AND PERMIT

No. _____ Dated _____

RECEIVED OF _____

the sum of _____

(\$ _____) as payment in full of the necessary tappage or connection fees for _____ tap(s) for the premises described in the above application, and in consideration of said payment, the above application, and the agreements herein contained, the applicants payment, the above application, and the agreements therein contained, the applicants are permitted to make _____ sewer connection(s) of the said premises to the sanitary sewer constructed by the Township.

Paint Township

by _____

**Township of Paint
1741 Basin Drive
Windber, Pennsylvania 15963**

The undersigned customer of the Township of Paint hereby confirms that the undersigned has received written notice of the filing of a lien and the additional costs and expenses of such filing. The undersigned has promised to deliver to the Township of Paint, at the address indicated above, the sum of _____ (\$ _____) on or before 5:00 p.m. on _____, 200_.

The undersigned acknowledges that if such amount, in good funds, is not received by such date, the lien as previously described will be filed for any balance due, together with additional costs in the amount of _____ (\$ _____)

Customer

Customer

Date

_____, 200_

Dear Customer:

This letter will serve to confirm your telephone call to the Township office in which you agreed to deliver to the Township office the balance on your account. Enclosed is written confirmation of your agreement.

Assuming that it is accurate, please sign and return immediately to the Township office. If the letter is not received within five days, the Township will assume that you have withdrawn your promise and the Township will proceed with the filing of the lien as set forth in the prior written notice to you.

Very truly yours,
Township of Paint

Enclosure

April 2008