

SOMERSET TOWNSHIP MUNICIPAL AUTHORITY

Somerset County

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WATER SYSTEM

RULES AND REGULATIONS

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SOMERSET TOWNSHIP MUNICIPAL AUTHORITY

WATER SYSTEM

RULES AND REGULATIONS

ARTICLE ONE

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. **Authority** shall mean the Somerset Township Municipal Authority, situated in Somerset County, Pennsylvania, its duly authorized officers, agents and employees, each acting within the scope of the particular duties with which entrusted.

Section 102. **Board** shall mean the members of the Board of the Somerset Township Municipal Authority, as now or hereafter constituted, and its duly authorized agents or representatives.

Section 103. **Customer** shall mean the individual, partnership, association, company, corporation, or municipality requesting water service and responsible for the use of the water service at any premises and being responsible for payment for water service as provided in the Rules and Regulations of the Authority.

Section 104. **May** is permissive and not mandatory.

Section 105. **Occupant** shall mean any person having possession or use of all or any part of a premises supplied with water service and using the same for any purpose of residence, business or otherwise, whether as owner, lessee or tenant thereof.

Section 106. **Owner** shall mean any person vested with ownership, legal or equitable, sole or partial of any real estate or structure.

Section 107. **Person** shall include natural persons, partnerships, associations and corporations, public or private.

Section 108. **Property** is the location where water service is supplied by Authority to a Customer.

Section 109. **Shall** is mandatory and not permissive.

Section 110. **Service Line** is the pipe or connection from the curb stop to the building or structure through which water service is provided by Authority.

Section 111. **Water System** shall mean all the facilities owned or operated by the Authority for supplying water to the Authority's Customers up to and including both the water curb stop valve at the property line and the water meter located on the Customer's Property.

ARTICLE TWO

CONDITIONS OF SERVICE

Section 201. Water service shall be furnished by the Authority in accordance with these Rules and Regulations, as amended, which are incorporated by reference to every application for water service.

Section 202. Authority shall not have or assume any liability to any Customer, Occupant or Owner for the provision of water service. Authority shall not have any liability for injury or damages to persons or Property by reason of fire, water or failure of water supply in pressure or capacity.

Section 203. Any special conditions of service shall be set forth in an application for service and shall only apply to any Customer, Occupant or Owner upon the written agreement of Authority.

ARTICLE THREE

APPLICATION FOR SERVICE

Section 301. Written application for water service or change in water service shall be made on forms provided by the Authority to be executed by the Customer and Owner, if different, at least one (1) week before water service is requested. Applications shall be in the form attached hereto as **EXHIBIT A**.

Section 302. All applications for water service connections shall be accompanied by the applicable charge in accordance with the schedule of rates of the Authority.

Section 303. In the event of a change in the identity of the Customer, Owner must notify the Authority in writing and Customer shall complete a new water service application for continued service at the Property.

Section 304. Owner shall be responsible for the payment of all charges for water service on the Property. Owner may request that Authority deliver bills for water service to Occupant, but in the event Occupant shall fail to pay within the required time, Owner shall be and remain responsible for such payments.

Section 305. In the event of an unpaid bill, Authority shall not provide water service to the Property for which a bill remains unpaid until all arrearages, delinquencies or other charges are paid in full, or satisfactory arrangements made in regard thereto.

Section 306. Water bills shall be rendered to the Customer for service through a single water meter, but properties with a single meter and multiple Occupants will be delivered solely to the Owner.

Section 307. An application for water service shall include the representation that the plumbing and fixtures on or in the Property are in order and condition to receive water service. Authority shall not be liable or responsible for any claim, demand, charge or expense arising in any way with the supply of water to the Property for any failure of such piping and fixtures.

Section 308. Owner or Occupant shall not allow any connection to the water lines located on the Property to any other person without the prior written consent of the Authority. Violation of this regulation shall result in the immediate termination of water service to the Property upon five (5) days' advance written notice and such termination of service shall remain in effect until all such interconnections are permanently severed and terminated to the satisfaction of the Authority.

ARTICLE FOUR

SERVICE CONNECTIONS

Section 401. Supply Line to Curb Stop.

- a. Upon the approval of the application for water service, Authority will install and construct a water supply line to the boundary line of the Property and install a curb stop and service box at the expense of Customer in accordance with the customary and usual charges for such work. Authority will be responsible for maintenance of the supply line up to and including the curb stop.
- b. The Authority will determine the size of the water supply line and water meter.
- c. Customer shall be responsible for obtaining any and all rights-of-way or easements to cross the property of others necessary to provide water service to the Property.

Section 402. Service Lines.

- a. The Service Line beyond the curb stop shall be installed and maintained by and at the expense of the Customer. The portion of the Service Line installed by the Customer shall be not less in size and quality than the Service Line in the street laid by the Authority, and shall be laid not less than four (4) feet below the surface, and shall not be covered until the tap on the main water line is made and the Service Line tested. If any defects in workmanship are found, water service shall not be turned on until such defects are remedied. All plumbing connections should be able to withstand a pressure of at least one hundred fifty-five (155) pounds per square inch.
- b. Curb stops shall be and remain the exclusive property and for the sole use of Authority. Curb stops shall not be used by the Customer in any manner. The control of the water supply by the Customer shall be by means of a separate valve located on the Property.
- c. Every service pipe must be provided with a stop and wastecock on the inside of the cellar or foundation wall adjacent to the location where the pipe passes through the wall, easily accessible, and fully protected from freezing.
- d. No service pipes shall be laid in the same trench with a gas pipe, sewer pipe or any other facility of a public service company, nor within ten (10) feet of any open excavation, conduit or vault, unless installation plan has been approved, in writing, by the Authority.

- e. At any time should Customer desire a change of size in an existing Service Line, Customer must notify Authority and Customer shall be solely responsible for all costs and expenses in such a change.
- f. All leaks in Customer's Service Line shall be promptly repaired by Customer; upon failure to make repairs with reasonable time as determined by the Authority, the Authority may discontinue water service which will not be restored until all proper and necessary expense incurred by the Authority in the discontinuance and restoration of water service to the Property involved, shall have been paid to the Authority by the Customer.
- g. In the event that Owner's Property includes more than one (1) structure or user, each such structure or user shall have a separate curb stop, meter and Service Line. Separate Service Lines shall not be required for garages or other unoccupied structures.
- h. In the event that there shall be more than one (1) Occupant of a Property served through a single Service Line, any violation of these rules by any one (1) Occupant shall be deemed a violation by all, except that water service to the Property shall not be discontinued until all Occupants have been given a reasonable notice to correct the violation.

Section 403. The materials of each service must be of Type "K" copper suitable for one hundred fifty-five (155) pound per square inch water pressure. A gate valve or ball valve shall be installed immediately ahead of the meter inside the building or housing wall. A pressure reducing valve shall be installed between the meter, the gate valve or ball valve.

Section 404. No service connection will be installed during the period that street or highway openings are prohibited by the constituted authority having jurisdiction thereover, nor at any time when in the judgement of the Authority working conditions are unfavorable for installation.

Section 405. No fitting, pump or fixture shall be connected to the water system that, from the nature of their operation, may reasonably cause water hammer or inconvenience to other Customers without the prior written permission of the Authority.

Section 406. Whenever the static pressure of the distribution system is insufficient to provide an adequate supply of water for a Customer, it shall be the responsibility of the Customer to provide, at their own expense, necessary booster pump or other equipment to provide for an adequate supply of water. Such installation shall be approved in writing by the Authority.

ARTICLE FIVE

WATER METERS

Section 501. The Authority reserve the exclusive right to determine the location of water meters.

Section 502. The Authority shall have the exclusive right to determine the style and size of water meter to be installed. The initial water meter on any Property shall be the sole responsibility and expense of Customer and shall be installed by Customer. After initial installation, the Authority shall inspect, seal, remove and maintain the water meter.

Section 503. If the Authority determines that a meter is to be placed within a building, the meter will be set after the Customer has had the plumbing arranged to receive the meter at a convenient point approved by the Authority. The meter shall be accessible to the Authority at all reasonable hours for purposes of reading, inspection, testing, repairs or maintenance and shall be subject to Authority's control exclusively. In cases when it is not practical to place a meter within a building, a pit, with a suitable insulated cover, or other approved meter box, shall be constructed or supplied by the Authority. The size of the pit or box, which shall be determined by the Authority, shall be so as to give adequate access to the meter and permit installation or removal of meters. The cost of the pit shall be paid by the Customer.

Section 504. Meter pits shall be required for all Service Lines longer than one hundred (100) feet or where conditions require at the discretion of the Authority.

Section 505. All water meter installations after the date of these Rules and Regulations shall include a remote meter reader. If a remote reader is requested by the Customer for an existing meter, the cost and expense for the purchase and installation shall be paid by Customer.

Section 506. Backflow prevention and pressure reducing valves shall be required on all Service Lines for meter installations. Pressure reducing valves may be installed on all Service Lines at the Authority's direction. Customer may, at Customer's election and sole cost, install pressure reducing valves on the Service Line. Pressure reducing valves shall be installed ahead of the meter.

Section 507. Meters will be maintained by the Authority for ordinary wear and tear at the expense of Authority. Any loss or damage to a meter through negligence or intentional action of the Customer shall be paid by Customer.

Section 508. Customer shall install a backflow preventer on the outlet side of the meter and shall install a safety valve in connection with any hot water or heating system. Authority shall not be responsible or liable for any damages or claims do to failure of Customer to install or maintain such devices or the failure of the safety valve or backflow prevention device.

Section 509. In the event that Authority shall determine that the water meter is registering inaccurately or has ceased to register, Authority may determine water consumption based on the average consumption for the prior two (2) billing periods and Authority shall make a calculation of the average water use for the current period.

Section 510. At the request of Customer, Authority will make a test of the accuracy of the meter with five (5) days' advance written notice to Customer of the time of testing. Prior to testing, Customer shall deposit with Authority an amount equal to the reasonable cost for such testing as set forth in the rate schedule of Authority.

Section 511. If the meter so tested shall be found to have an error in registration of less than four (4%) percent, the deposit required shall be retained by the Authority as compensation for such test; if the error in registration is found to be four (4%) percent or more, then the cost of the test shall be paid by the Authority, and the amount of the deposit shall be returned to the Customer. In no case will correction of billing for meter inaccuracy be made for a longer period than the three months' billing period immediately prior to the date of test.

ARTICLE SIX

BILLS AND PAYMENTS

Section 601. Billing for water service shall be rendered quarterly for the immediately preceding three (3) month period.

Section 602. Bills for water service shall be determined by water meter registration except where otherwise provided herein.

Section 603. Failure to receive a bill shall not exempt any Customer from payment of the bill with accrued penalties.

Section 604. All bills shall be due thirty (30) days after the date of the bill. Bills not paid in full by the due date shall be subject to five (5%) percent penalty which will be added to the bill. A delinquent bill notice will be sent out after the due date, adding the penalty charge and stating that the bill must be paid within fifteen (15) days in order to avoid discontinuance of water service. The Authority may shut off water service to any Customer whose bill is more than thirty (30) days delinquent. The Authority will post a shut-off notice at the Property not less than five (5) days prior to the water shut-off.

Section 605. The Authority will assess a Twenty-Five and 00/100 (\$25.00) Dollar fee for each returned check.

ARTICLE SEVEN

WATER LEAKS AND DEFECTIVE PLUMBING

Section 701. All water passing through a meter shall be charged for at the regular rate, and no allowance will be made for excessive consumption due to leaks, waste or any other reason.

Section 702. Any Customer discovered to have allowed water to be wasted, including, but not limited to, running water to prevent freezing, shall have water service terminated upon five (5) days' advance written notice. Water service shall not be restored until all costs and expenses of termination have been paid by Customer and satisfactory assurances provided that wasting of water without use will not reoccur.

Section 703. Water service to any Property may be turned on only by Authority temporarily for plumbing test purposes.

Section 704. All leaks in Service Lines shall be promptly repaired by the Customer. Failure of Customer to make required repairs within a reasonable time period shall result in water service being terminated and not restored until costs of termination are paid and all necessary repairs are completed.

ARTICLE EIGHT

SHUTTING OFF OR LIMITING WATER

Section 801. The Authority reserves the right (but shall not have the obligation) at all times, after due notice, to terminate or interrupt water service for nonpayment of water bills, or for neglect or refusal to comply with the Rules and Regulations of the Authority, and to charge a fee of Forty and 00/100 (~~\$40.00~~) Dollars for resumption of service. Customer shall make full payment of all bills, fines, penalties and liens before water service is resumed.

Section 802. Water service may be discontinued for any of the following reasons:

- a. For misrepresentation in application as to Property or fixtures to be supplied or the use to made of the water supply.
- b. For the use of water for any other Property or purpose than that described in the application.
- c. For waste of water through neglect or intentional action of Customer and failure to maintain Customer's plumbing system or fixtures.
- d. Failure to maintain the connection or Service Lines.
- e. Intentional neglect or damage to Service Line, meter, curb stop, seal or any other appliance of Authority.
- f. Vacancy of the Property without agreement of Authority for a period in excess of one hundred eighty (180) days.
- g. For violation of any rules or regulations of the Authority.
- h. Failing to pay charges against the Property in accordance with these Rules and Regulations.
- i. Failure to pay water charges at a prior location.
- j. Refusal to provide access to the Property after written notice.
- k. Refusal to conserve water during periods of restricted supply.
- l. Construction or use of a cross connection by which water or other substances could enter into the Service Line or supply line of the Authority.
- m. Failure to pay applicable public sanitary sewer charges.
- n. Failure to comply with the rules and regulations of the public sanitary sewer system.

Section 803. Water service may be limited or shut off under this water conservation contingency plan as follows:

- a. All Customers shall comply with the Drought Emergency Plan adopted by the Authority and approved by the Pennsylvania Department of Environmental Protection or other appropriate governmental authority.
- b. In the event that the Authority is experiencing a short-term water supply shortage, the Authority may request general conservation of water uses and may impose mandatory conservation measures to reduce or eliminate nonessential uses of water.
- c. Where possible, the Authority shall first request voluntary curtailment of all nonessential uses of water; provided, however, that the Authority reserves the right to curtail water use by termination of service, if necessary, to maintain the integrity of the water supply system and essential uses of water.
- d. In the event that any Customer refuses to voluntarily comply with mandatory measures directed by the Authority, the Authority may adjust water valves or other connections in a manner which will restrict water flow or otherwise limit or reduce water to the Customer. Authority may use such other devices or measures reasonably designed to restrict or limit water use. Notice to the Customer shall be given prior to such reduction or limitation. Customer shall be responsible for all costs and expenses associated with the restriction, termination, limitation and restoration of water service to such non-compliant Customer.
- e. Nonessential uses of water include the following:
 1. Use of hoses, sprinklers or other means of sprinkling or watering shrubbery, trees, lawns, grass, plants, vines, gardens, vegetables, flowers or other vegetation or landscape material.
 2. Use of water for washing automobiles, trucks, trailers, house trailers or any other type of equipment.
 3. Washing of streets, driveways, parking lots, service station aprons, office buildings, exteriors of homes, sidewalks, apartments or other outdoor surfaces.
 4. Operation of any ornamental fountain or other structures making similar use of water.
 5. Use of water for filling swimming or wading pools.
 6. Operation of any water cooled air conditioning system which does not have water conservation equipment.
 7. Use of water from fire hydrants, except for the extinguishing of fires.
 8. Use of water for commercial farms or nurseries other than the minimum required to preserve the plants, crops and livestock.

9. Such other uses as may be reasonably understood by the Authority to constitute the use of water for matters not involving the preservation of life.

Section 804. The Authority shall have the right to interrupt or terminate the water without prior notice in case of breakdowns or for other unavoidable causes, or for the purpose of making necessary repairs, connections or required water system work. Reasonable notice will be given when practicable. In no case shall the Authority be liable for any damage or inconvenience suffered.

Section 805. The Authority shall not be liable for a deficiency or failure in water supply when occasioned by shutting off the water to make repairs or connections or by failure from any cause beyond its control. The Authority reserves the right to restrict the supply of water in case of scarcity or whenever, in the exclusive judgment of the Authority, it is in the best interest of the public welfare to do so.

ARTICLE NINE

PROPOSED EXTENSIONS OF SYSTEM BY DEVELOPERS

Section 901. Prior to requesting approval of the Authority to extend a water distribution line ("Extension") developers shall furnish the following information to the Authority:

- a. Copy of DEP Planning Module (or planning module exemption) including approval and resolution of the applicable municipality.
- b. Copy of DEP letter of approval of the planning module (or planning module exemption).
- c. Letter from the Township stating the proposal involving a water line extension has been reviewed by the municipality and/or Somerset County Planning Commission adding the penalty charge and stating that the bill must be paid within fifteen (15) days in order to avoid discontinuance of water service. The Authority may shut off water service to any Customer whose bill is more than thirty (30) days delinquent. The Authority will post a shutoff notice at the Property five (5) days prior to the water shutoff.

Section 902. Five (5) copies of plan for proposed water line extension shall be submitted by the Developer at his expense to the Authority on 24" x 36" sheets showing plan views to a minimum scale of 1" = 50' and profile views to a minimum 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 903. No work by developer shall begin until written approval by Authority. Authority shall have thirty (30) days to review materials after all of the required information is submitted to Authority.

Section 904. All water lines shall be designed in accordance with the Public Water Supply Manual of Pennsylvania Department of Environmental Protection, Division of Sanitary Engineering, and these Rules and Regulations.

Section 905. Construction of water lines will not be permitted until the required permits from applicable agencies have been obtained and copies delivered to the Authority. All such permits shall be obtained by and be at the sole expense of the Developer.

Section 906. Prior to final acceptance of any water line extensions by the Authority, the developer shall furnish to the Authority "as-built plans" showing the location of all valves and fittings referenced to two permanent surface fixtures, the depth of burial, and the exact location of all Authority service connections relative to the nearest valve, bend or other landmark.

Section 907. Easements shall be recorded in the name of the Authority for all water lines to be constructed outside of dedicated street rights-of-way.

- a. Easements shall be utilized for water line installation. Other utility lines (sewer, gas, electric, telephone and cable TV) shall be located in a separate utility easements or rights-of-way.

Section 908. All water lines shall be ductile iron conforming to ANSI Specification A.21.50 and A.21.51 or PVC conforming to either ASTM-D2241 or AWWA C900, unless otherwise specified for extraordinary conditions by the Authority. Class and pressure rating shall be determined by the Authority.

Section 909. All water pipe shall be a minimum of six (6) inches in diameter for fire protection service. All residential Service Lines shall be sized by an engineer to provide adequate pressure and volume at peak flow conditions.

Section 910. Jointing connections shall be the factory fabricated type conforming to ANSI, ASTM or AWWA Specifications. The details of any jointing connection which is proposed for use must be submitted to the Authority for prior approval.

Section 911. The installation of a water line shall comply with manufacturer's recommendations and these rules and regulations. The pipe shall be carefully laid to line and grade. The handling, placing, jointing and disinfection of pipe shall be in strict accordance with the pipe manufacturer's recommendations and AWWA Specification C600. All PVC water line shall be installed with fourteen (14) gauge solid copper insulated wire beside to the exterior of the pipe and extended to valve box and/or curb box lid openings or metal fittings for water pipe locating purposes.

Section 912. Appurtenant water line materials shall be approved by the Authority. The following list establishes a standard of quality and manufacturer (equivalent manufacturers can be used) whose materials are acceptable to the Authority:

- a. Valves and boxes - Darling resilient seat gate valve - 2" operating nut; N.R.S., open left.
- b. Fittings - Ductile or cast iron - Tyler Corp. Valve box, curb boxes.
- c. Fire Hydrants - American-Darling - two hose nozzles and 4 1/2" steamer (National Standard) - 5 1/4" barrel, breakaway connection, frost proof, NPT, open left. Inlet connection size - 6" diameter.
- d. Service Lines - Type K Copper - 3/4" minimum.

- e. Corporations, curb stops (bronze), AWWA thread, Ford or McDonald ball style, not inverted key.
- f. Saddles, double strap-ductile, hinged - PVC, Ford, Mueller.
- g. Flexible couplings - Dresser Industries.

Section 913. All construction shall be inspected by the Authority before it is covered.

Section 914. Lines shall be hydrostatically tested for leakage at the discretion of and in the manner required by the Authority. Exfiltration shall not exceed that determined by the following formula:

$$L = 10 \times D \\ 5280 \times 24$$

where L = allowable leakage, in gal/hr/ft.
D = Normal pipe diameter, in inches

Test shall be conducted in the presence of the Authority's inspector. Copies of all tests shall be signed by both the developer and authority inspector and delivered with the Authority.

Section 915. The developer shall file all necessary connection permits and pay the applicable tap connection and inspection fee for each house or building to the Authority which shall become due and payable prior to inspection and approval by the inspector for each respective house Service Line.

Section 916. The developer shall also reimburse the Authority for all costs of Engineer's plan review and of inspection of construction of all water lines. Inspection shall be as determined by the Authority during construction. Prior to performing any work, the Authority may require that the developer establish an escrow account at an institution agreeable to both the Authority and developer. Said escrow account shall be in the name of the Authority to be used for paying engineering, legal, and inspection fees incurred. The escrow amount to be deposited shall be determined by the Authority. Upon acceptance of the developer's project by the Authority, or project termination, the balance of the funds in the escrow account, including any accrued interest, will be refunded to the developer.

Section 917. After approval of plans and specifications and before construction has commenced, the applicant shall post a bond with the Authority in an amount to be set by the Authority to insure the payment of all obligations relating to the proposed installation including the estimated construction costs, and the estimated amount to be due to the Authority for the cost of inspecting and the cost of replacing or repairing any part of the system which has not been constructed in a manner satisfactory to the Authority. In lieu of posting a bond, the applicant may deposit with the Authority a sum of money representing the estimated costs of the items for which the bond may be required, which money, if deposited, shall be held by the Authority solely for the payment of these items. Upon completion of the construction, any excess money remaining for the deposit made shall be returned to the applicant and to the extent, if any, that the costs involved shall have exceeded the amount deposited, the applicant shall immediately pay to the Authority the amount of the deficiency. The developer may also in lieu of a bond give a Letter of Credit to the Authority in the amounts as specified above, provided the Letter of Credit is satisfactory to, and in a form approved by, the Authority.

Section 918. Whenever water lines are installed by persons, firms, or corporation other than the Authority, the installation and materials shall be made and furnished in accord with the Authority's standard construction specifications and in accordance with the rules and regulations of the Authority. In the event that the person, firm or corporation installing a water line extension fails to comply with the requirements of the Authority, the Authority shall give notice in writing of such noncompliance 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 noncompliance has been received, the Authority may take whatever measures are necessary to conform the installation to the requirements of the Authority and charge the costs thereof against the bond or cash deposit made by the applicant.

Section 919. As a condition to the approval of plans and specifications for an Extensions 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 water line extension agreement with the Authority under which the Owner agrees upon the completion of the extension to offer to the Authority a deed of dedication to the system to be installed, which deed shall convey all rights, title and interest in the water lines and appurtenances to the Authority 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 Authority, the Authority 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 performances.

Section 920. No Extensions constructed by a developer will be accepted by the Authority until the Extension has been approved in writing by the Authority, all building tap connection and inspection fees have been paid for each building connected to the system, and the Authority has been reimbursed in full for all inspection costs incurred by the inspector during construction, testing and approval.

Section 921. Typical details of water line construction and appurtenances are attached to these Rules and Regulations. These details are minimum requirements.

Section 922. All contractors performing work on water line extensions shall maintain insurance in the amounts and types listed below:

Bodily Injury - \$1,000,000

Property Damage - \$1,000,000

(including contractual liability coverage to fund the hold harmless agreement contained in the Authority's registration application and independent contractors, and completed operation coverages).

Workmen's Compensation

Insurance certificates shall be kept current with the Authority during the period the firm is working in the Somerset Township Municipal Authority service area for the purpose of constructing water lines.

ARTICLE TEN

FIRE PROTECTION

Section 1001. Upon written request from the Somerset Township Supervisors, the Authority will review the installation of a standard fire hydrant, provided that the size of the existing water main and surrounding distribution system and the available pressure on said street main is, in the judgment of the Authority sufficient to enable the giving of proper service at the fire hydrant under normal and ordinary conditions.

Section 1002. All hydrants will be maintained by the Authority.

Section 1003. Without the prior permission of the Authority, no person shall take water from any fire hydrant, except for the fire purposes or for the use of any fire department in case of fire, and no fire hydrant shall be used for sprinkling streets, flushing sewers or gutters, or for any other than fire purposes, except with the prior written consent of the Authority.

Section 1004. No cross connection or tap for use other than fire protection shall be made in the piping of a private fire protection service line on the Property of a Customer or within a building, and no water shall be used through a private fire service line except for the purpose of fire extinguishment.

Section 1005. All fire hydrants for private fire protection shall conform in terms of design, size, make and thread type to the fire hydrant installed by the Authority.

Section 1006. Fire hydrants as supplied by the Authority provide water at varying rates and are marked as follows:

- a. Red With Green Cap - 1000+ Gallons of Water Per Minute.
- b. Red With Yellow Cap - 500-1000 Gallons of Water Per Minute.
- c. Red - 0-500 Gallons of Water Per Minute.
- d. Black - Out of Service.

Section 1007. Certain fire hydrants located throughout the water system were existing at the time the Authority acquired said system(s) under current fire protection standards, the fire hydrants are considered substandard in terms of delivery line diameter and flow production. These hydrants are continued in operation at the request of the municipality(s) and local fire departments as an aid to fire fighting. The locations of these fire hydrants have been identified to the local municipalities and fire departments. A list of such fire hydrants is available at the Authority office for inspection by Customers during normal business hours. All Customers shall review the list and advise their fire insurance carrier if their area is served by one of these hydrants.

ARTICLE ELEVEN

CROSS CONNECTIONS AND BACKFLOW PREVENTION

Section 1101. A cross connection is any pipe, valve or other physical connection, or other arrangement or device connecting the pipelines of the Authority or facilities directly or indirectly connected therewith, to and with pipes or fixtures by which any contamination might be admitted or drawn from lines other than the Authority's into the water distribution system of the Authority, or into lines connected therewith.

Section 1102. Cross connections are prohibited. When conditions reasonably suggest a possibility of contaminated water flowing from the any Property, or from other sources which can be controlled by the Customer, into the water distribution system, the Customer shall at his own cost install a device to prevent such backflow.

Section 1103. The Authority prohibits cross connections in the following manner:

- a. All Customers dealing with possible contaminants will be required to positively prevent any of these contaminants from entering his or the Authority's potable water supply. The backflow prevention device will be installed at the meter location in all new settings. In all existing settings, the backflow prevention device will be installed at a location deemed acceptable by the Authority.
- b. The expense for all backflow prevention will be the sole responsibility of the Customer.
- c. The maintenance of the backflow prevention device will be the sole responsibility of the Customer being supplied with water. The Authority will make periodic checks, at the Customer's expense, to test the capability and operational effectiveness of the backflow prevention device.

Section 1104. All new services will be equipped with a backflow prevention device provided by the Customer at the meter location and approved by the Authority.

Section 1105. Existing installation will be equipped with backflow prevention devices under the following circumstances:

- a. The degree of hazard as determined by the Authority which an existing installation represents will be sufficient cause to require installation of backflow prevention devices.
- b. Backflow prevention devices could be required in conjunction with any major plumbing changes on the Customer's Property.
- c. Backflow prevention devices will be mandatory in any case where the Authority finds that a Customer's facilities could force any water back into the Authority's distribution system, thereby possibly contaminating the Authority's water supply.
- d. To comply with DEP requirements.

Section 1106. Any Customer not complying with the Authority's request to install and maintain backflow prevention devices will be subject to immediate termination of water service by the Authority subject to the provisions hereof controlling termination of water service.

ARTICLE TWELVE

GENERAL

VACATING PREMISES

Section 1201. The Customer shall notify the Authority in writing in the event of vacating of premises for in excess of one hundred eighty (180) days or the structure being tore down. In such case the meter will be read, the water shut off and bill rendered.

INSPECTION

Section 1202. Any authorized employee of the Authority, upon presentation of credentials, if otherwise unknown, shall have unrestricted access at all reasonable hours to any Property supplied with water for the purpose of reading meters, making inspection or securing such other information as may be deemed necessary for the proper and efficient conduct of the business of the Authority.

AMENDMENT

Section 1203. The Authority reserves the right to change, modify or amend these Rules and Regulations as necessary in the judgment of the Authority. Amendments may be made after thirty (30) days' advance notice by posting of the same in the offices of the Authority and any such future amendments shall apply equally to those who are receiving service at the effective date of such amendments.

VALIDITY

Section 1204. If any section, paragraph, subsection, clause or provision of these Rules and Regulations shall be declared to be invalid by a court or competent jurisdiction, such decision shall not affect the validity of these Rules and Regulations as a whole or any other part or section hereof.

ARTICLE THIRTEEN

STANDARD DETAILS

Section 1301. Appended to these Rules and Regulations is a listing of Standard Details that shall be used in the construction of the water lines and appurtenances described herein.

SOMERSET TOWNSHIP MUNICIPAL AUTHORITY

**P.O. Box 247
Somerset, Pa.. 15501
(814)445-5842**

APPLICATION FOR WATER SERVICE

1. The undersigned hereby applies for water service as follows:
 - a. Name: _____
 - b. Property Location: _____
 - c. Property Owner(all names) _____

 - Deed Reference: _____
 - d. Billing address if different from property address: _____

 - e. Phone Number: Home: _____ Work: _____
 - f. Occupant if other than owner: _____
 - g. Meter Size: _____
2. This is an application for residential/business water service. If business, explain: _____

3. Date water service is requested: _____
4. Prior use of water service from Somerset Township Municipal Authority:
 - a. Location: _____
 - b. Dates of Service: _____
5. The undersigned acknowledges that a copy of the Rules and Regulations of Somerset Township Municipal Authority have been made available to the undersigned for review and the undersigned agrees to comply with all terms and conditions of such Rules and Regulations and as they may be amended.
6. Without limiting the generality of the agreement to comply with Rules and Regulations, the undersigned specifically acknowledges as follows:
 - a. In the event that the premises are vacated for more than one hundred

eighty(180) days, the undersigned agrees to notify the Authority.

b. Upon sale of the premises, the undersigned agrees to give notice to the Authority.

c. The undersigned agrees to pay all applicable charges, costs and expenses for such water service in accordance with the Rules and Regulations and the Schedule of Rates and Charges, as amended.

d. The undersigned advises the Authority that the following Special Conditions apply to the use of water at the designated location: _____

e. The undersigned represents that the connection at the location designated above is a new/existing water service connection.

f. No direct connection between the public water system and potential source of contamination is permitted and will be prevented by an STMA-approved backflow prevention device.

IN WITNESS WHEREOF, this application has been signed and sealed as of the _____ day of _____, 20__.

WITNESS:

Property Owners

WITNESS:

Occupant of Property

Received: Somerset Township Municipal Authority

BY: _____

DATE: _____

RECEIPT AND PERMIT

Date: _____

Received of _____

at _____

The sum of _____ (\$ _____)
as payment in full of the necessary connection fee for _____ connection for the premises
described in the attached application, and in consideration of said payment, the attached
application, and the agreements therein contained, the applicants are permitted to make the water
connection of the said premises to the water system owned and operated by Somerset Township
Municipal Authority.

SOMERSET TOWNSHIP MUNICIPAL AUTHORITY

BY _____
Authorized Signature

RECEIPT

Received of _____ at _____

_____ (\$ _____) for water
connection fee.

BY: _____
Authorized Signature

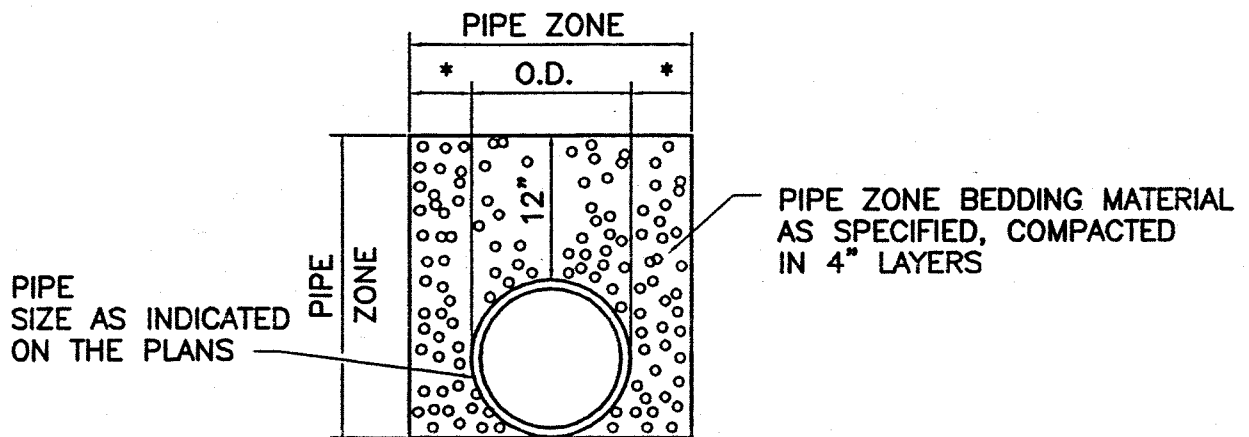
FOR AUTHORITY USE ONLY.

SOMERSET TOWNSHIP MUNICIPAL AUTHORITY

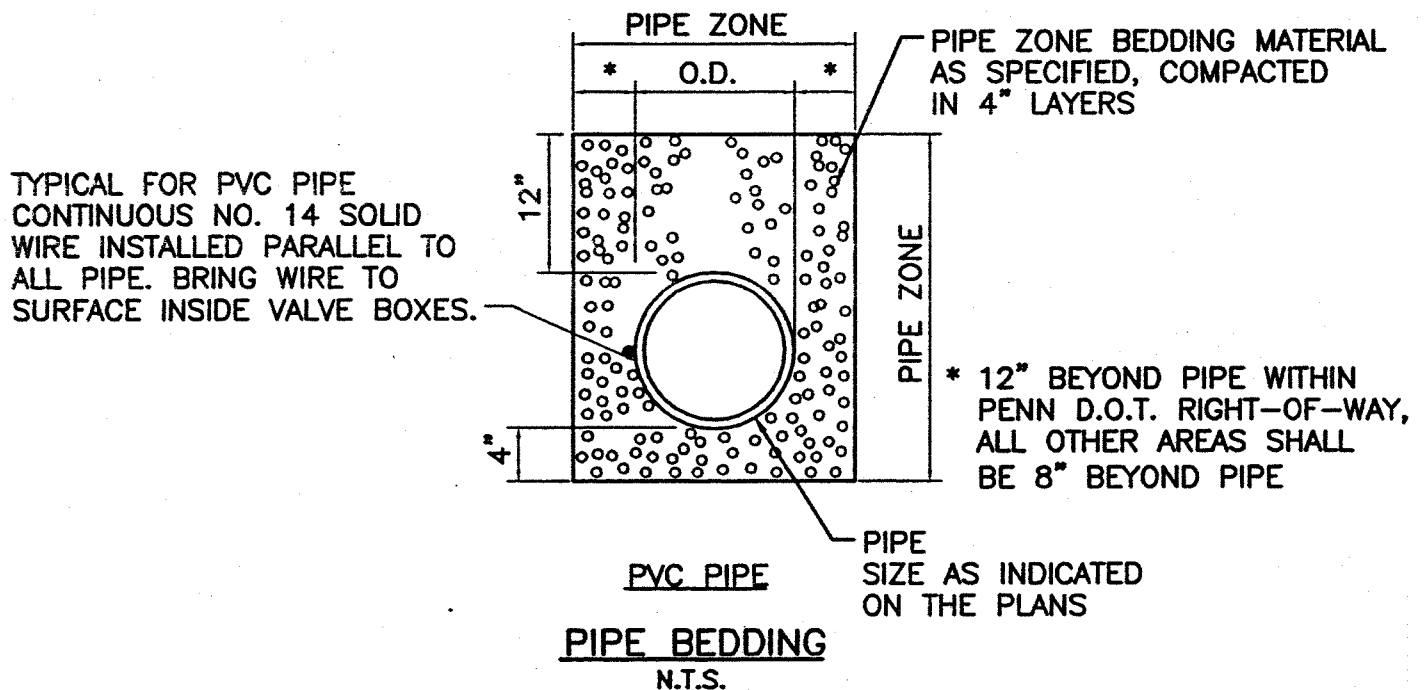
STANDARD DETAILS

<u>Plate No.</u>	<u>Typical Detail Description</u>
I	Pipe Bedding
II	Manual Air Vent Valve
III	Blow-off Installation
IV	New Water Service Connection Without New Curb Stop
V	New Water Service Connection With New Curb Stop
VI	Combination Air Valve Vault
VII	Hydrant Installation
VIII	Hydrant Removal
IX	Thrust Blocking
X	Thrust Block Bearing Area
XI	Thrust Block End Cap Detail
XII	Thrust Block Anchor Detail
XIII	Valve Blocking
XIV	Concrete Encasement
XV	Unpaved Area Restoration
XVI	Treated Municipal Shoulder Restoration

XVII	Unpaved Municipal Shoulder Restoration
XVIII	State Highway - Flexible Base, Final Paving Detail
XIX	State Highway - Rigid Base, Final Paving Detail
XX	State Highway Stabilized Shoulder Restoration
XXI	Sediment Barrier - Straw Bales
XXII	Filter Fabric Silt Fence
XXIII	Municipal Highway Paved Surface Restoration
XXIV	Hydrant Thread Detail

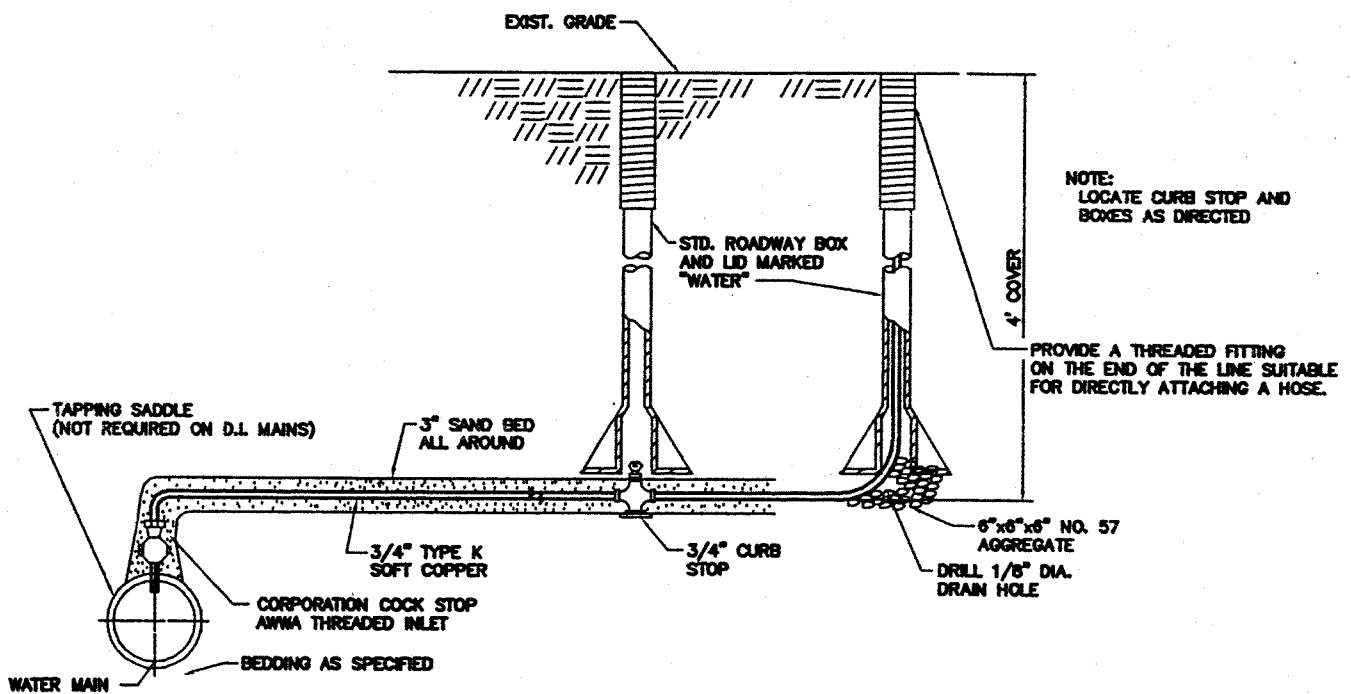


DUCTILE IRON PIPE



* 12" BEYOND PIPE WITHIN
PENN D.O.T. RIGHT-OF-WAY,
ALL OTHER AREAS SHALL
BE 8" BEYOND PIPE.

TYPICAL DETAIL	
<u>PIPE BEDDING</u>	
S.T.M.A.	PLATE I



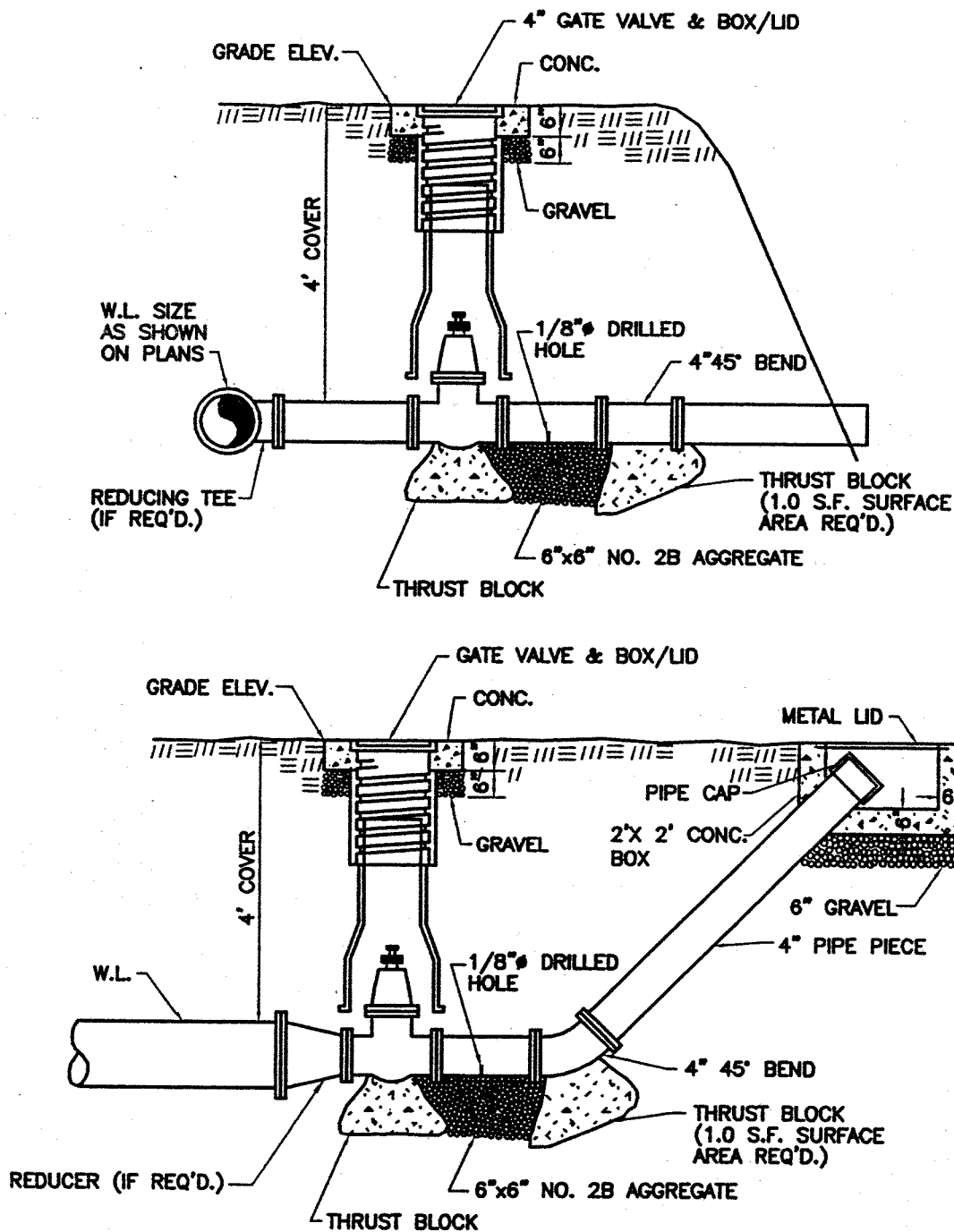
TYPICAL DETAIL

MANUAL AIR VENT VALVE

S.T.M.A.

PLATE

II



NOTES:

1. THE REDUCER, GATE VALVE AND 45° BEND SHALL BE CONNECTED WITH RESTRAINED JOINT AS APPROVED BY ENGINEER AND AUTHORITY.
2. DIRECT PIPE BLOW-OFF TO PREVENT EROSION.

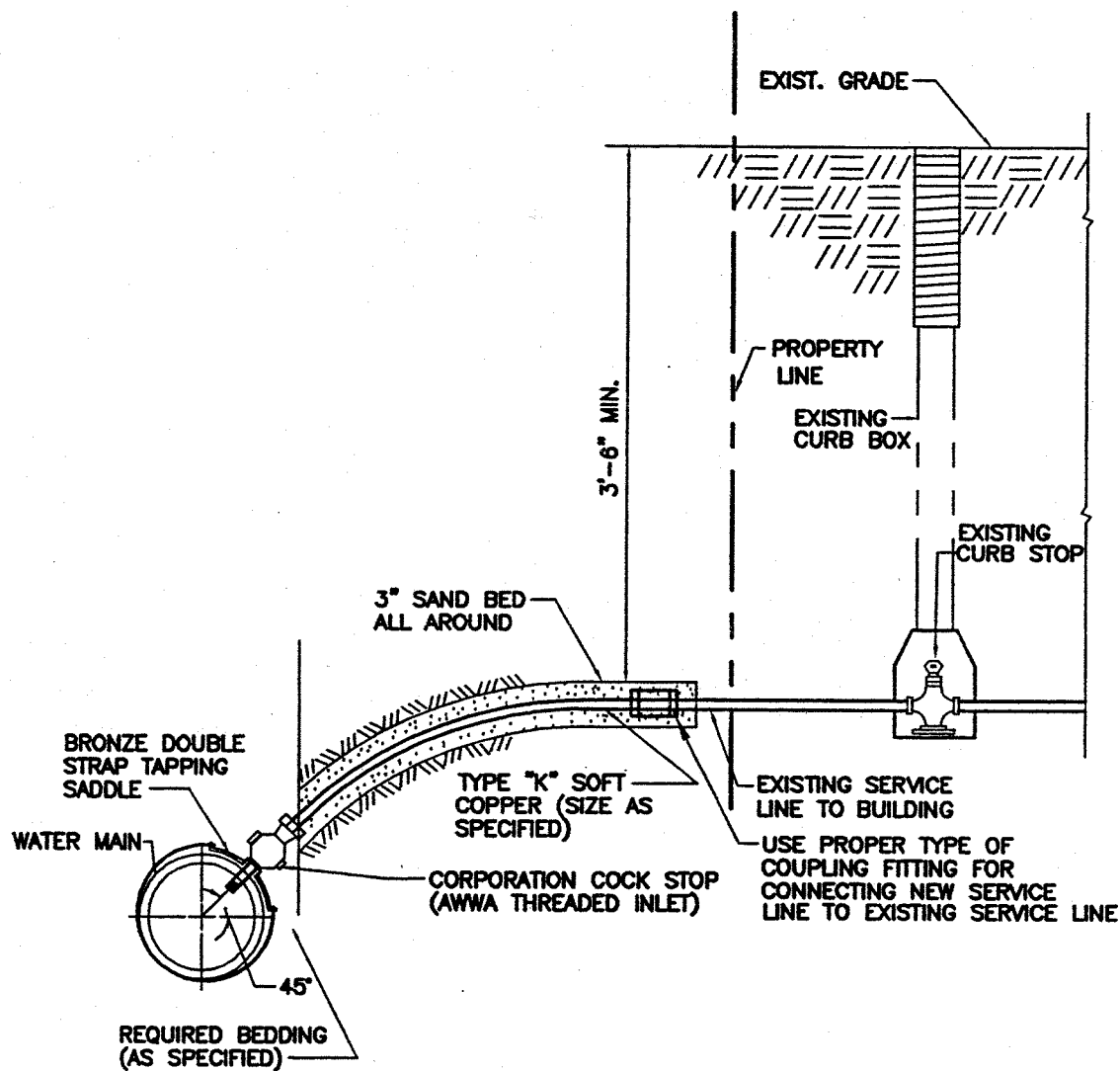
TYPICAL DETAIL

BLOW-OFF INSTALLATION

S.T.M.A.

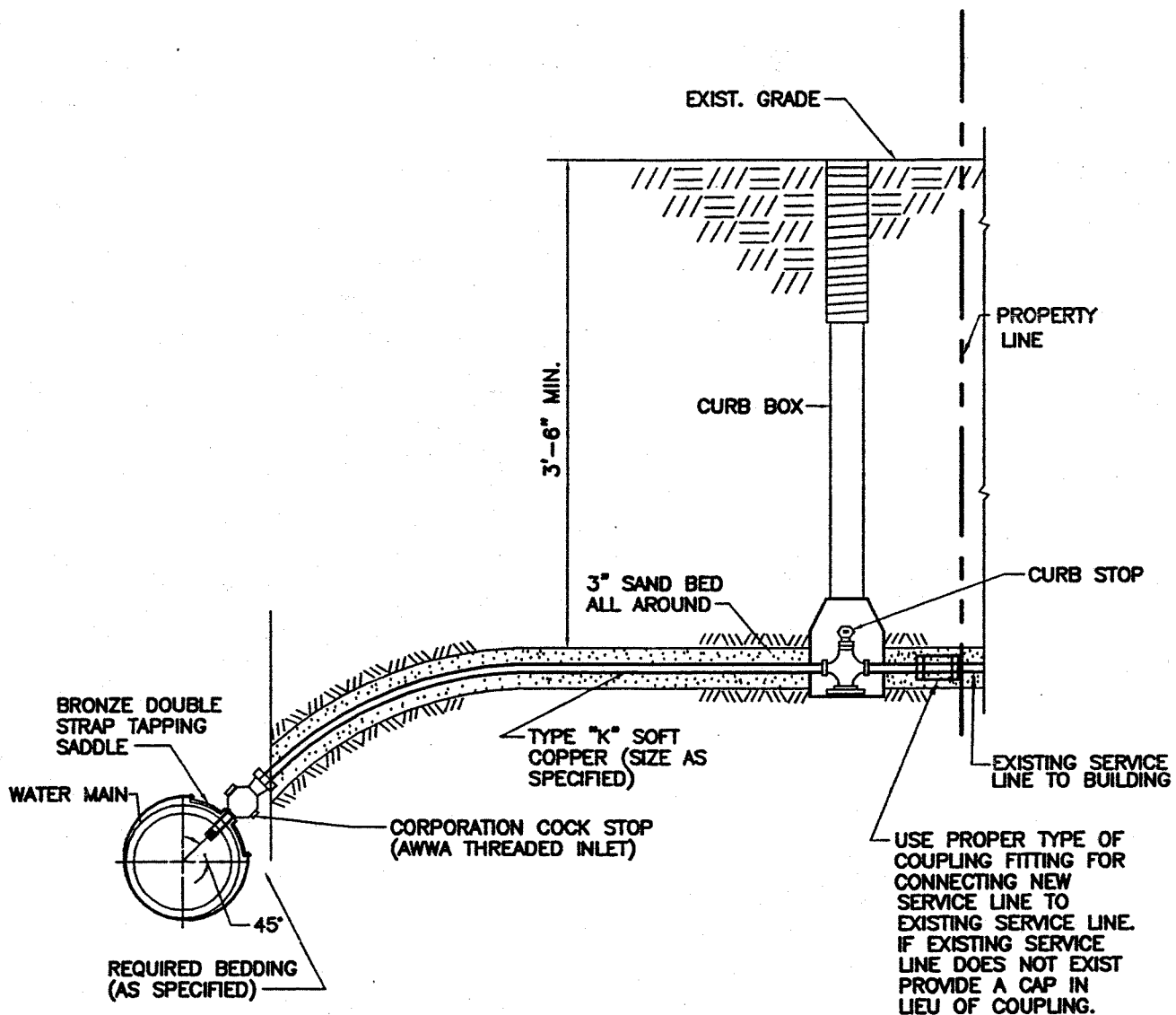
PLATE

III



TYPICAL DETAILS

NEW WATER SERVICE CONNECTION WITHOUT NEW CURB STOP ASSEMBLY



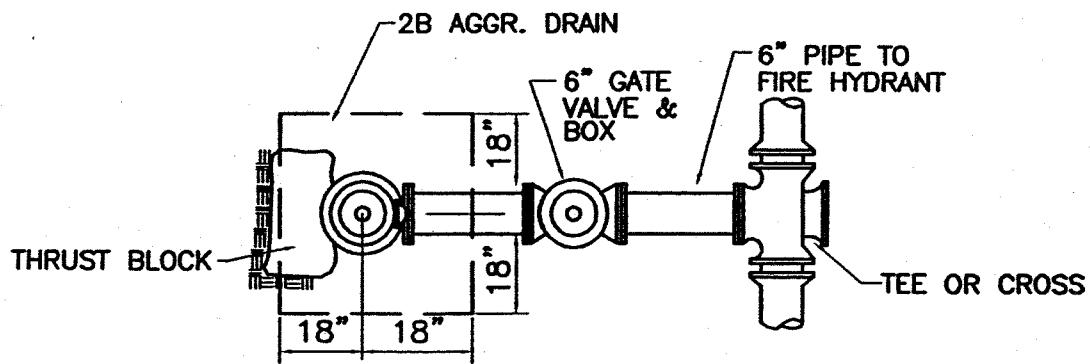
WATER SERVICE CONNECTION

N.T.S.

TYPICAL DETAIL	
<u>NEW WATER SERVICE CONNECTION</u> <u>WITH NEW CURB STOP ASSEMBLY</u>	
S.T.M.A.	PLATE V

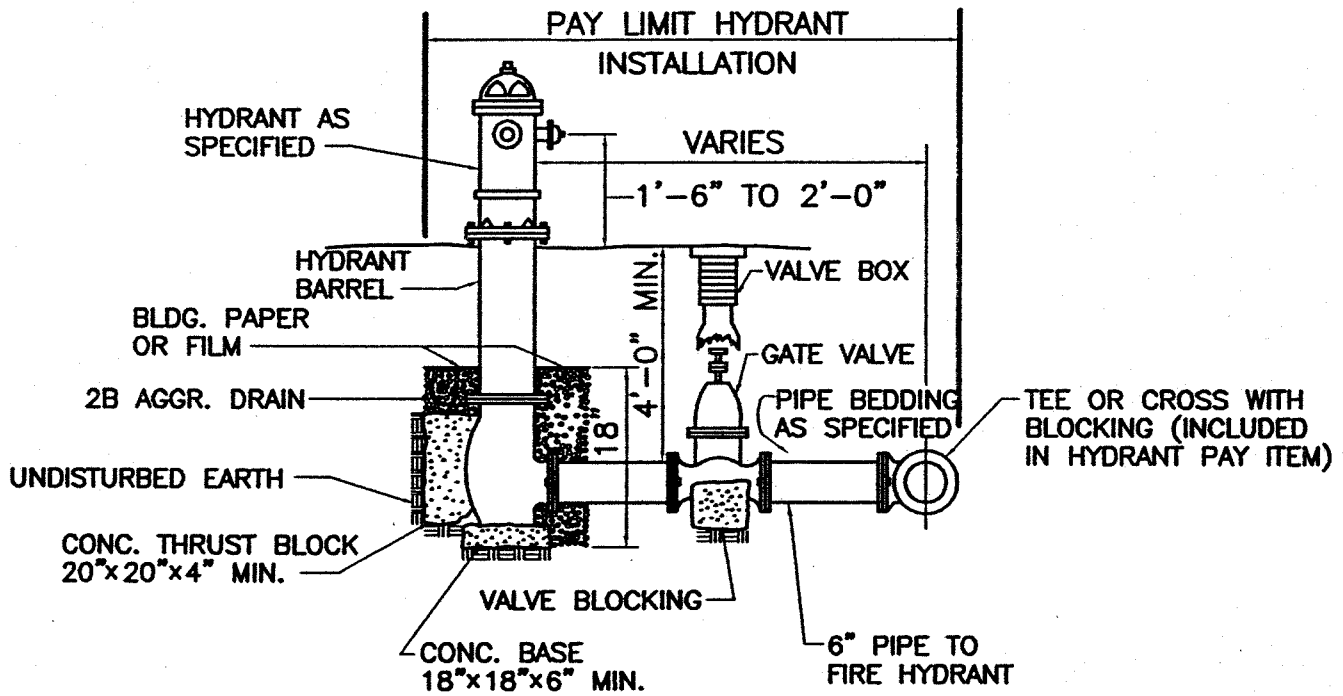


COMBINATION AIR VALVE VAULT



PLAN

SEE PLAN FOR
CONNECTION TO MAIN



ELEVATION

HYDRANT INSTALLATION

N.T.S.

NOTE:

HYDRANT, GATE VALVE AND
TEE OR CROSS SHALL BE
CONNECTED TOGETHER WITH
RESTRAINED JOINT AS APPROVED
BY ENGINEER AND AUTHORITY.

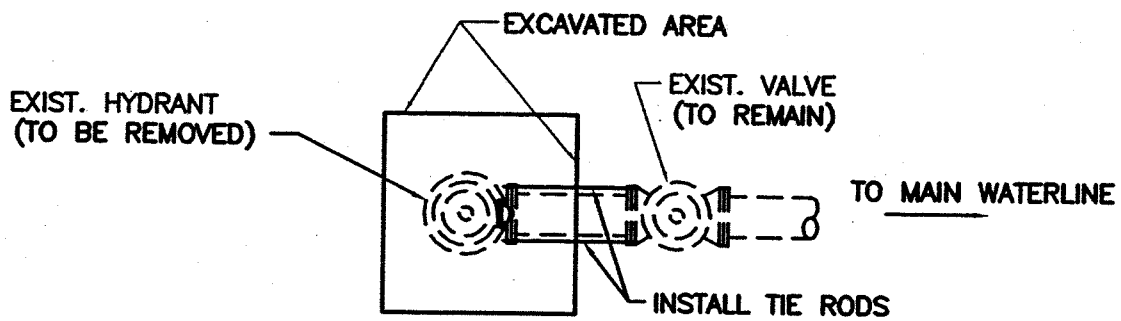
TYPICAL DETAIL

HYDRANT INSTALLATION

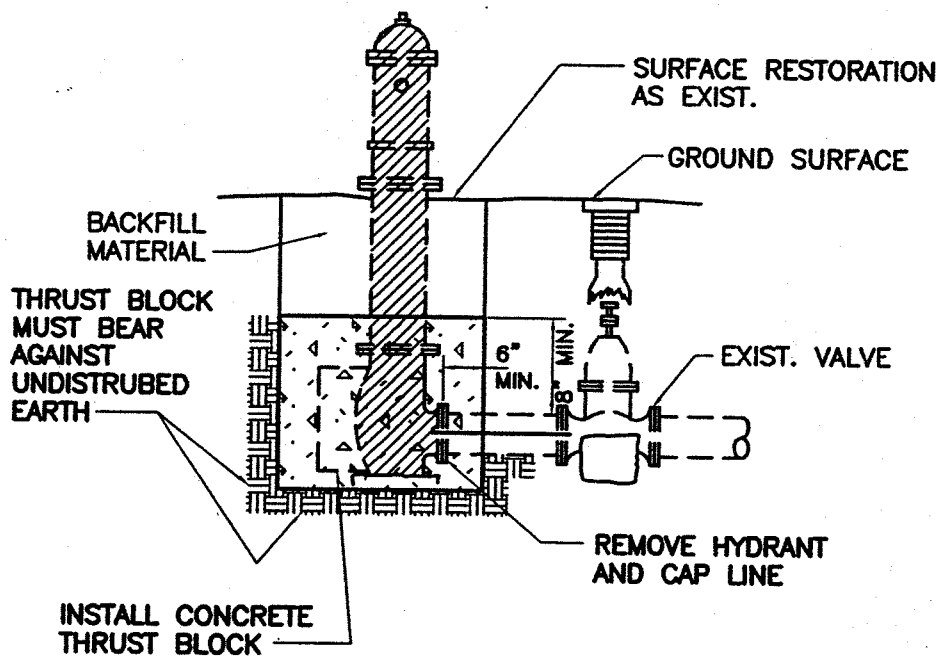
S.T.M.A.

PIATE

VTT



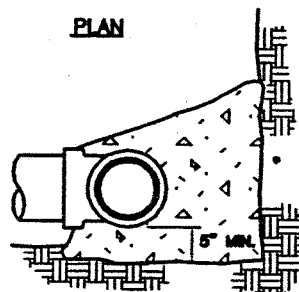
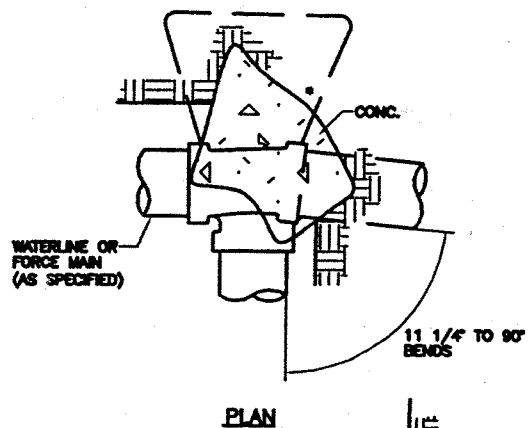
PLAN



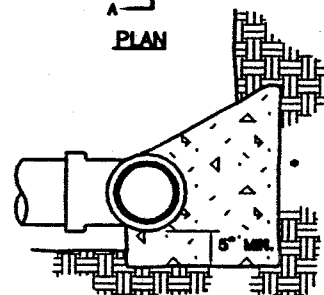
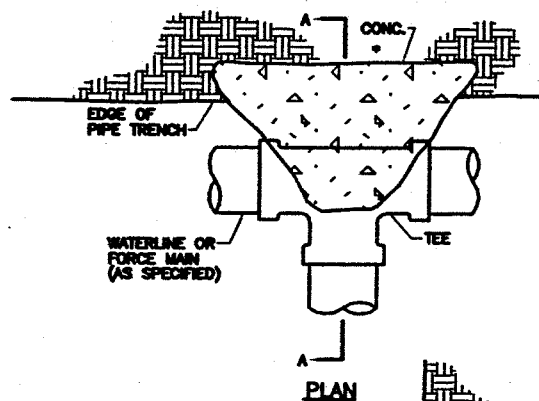
ELEVATION

TYPICAL DETAIL

HYDRANT REMOVAL



ELEVATION
11 1/4, 22 1/2, 45, & 90
BENDS



SECTION A-A
TEE OR TAPPING SLEEVE

THRUST BLOCKS
 N.T.S.

REFER TO STD. 12 FOR
 STANDARD BEARING AREA
 TABLE

* BEARING SURFACE REFER
 TO STANDARD TABLE FOR
 MINIMUM BEARING AREA
 REQUIREMENTS FOR VARIOUS
 PIPE SIZES.

TYPICAL DETAIL	
<u>THRUST BLOCKING</u>	
S.T.M.A.	PLATE IX

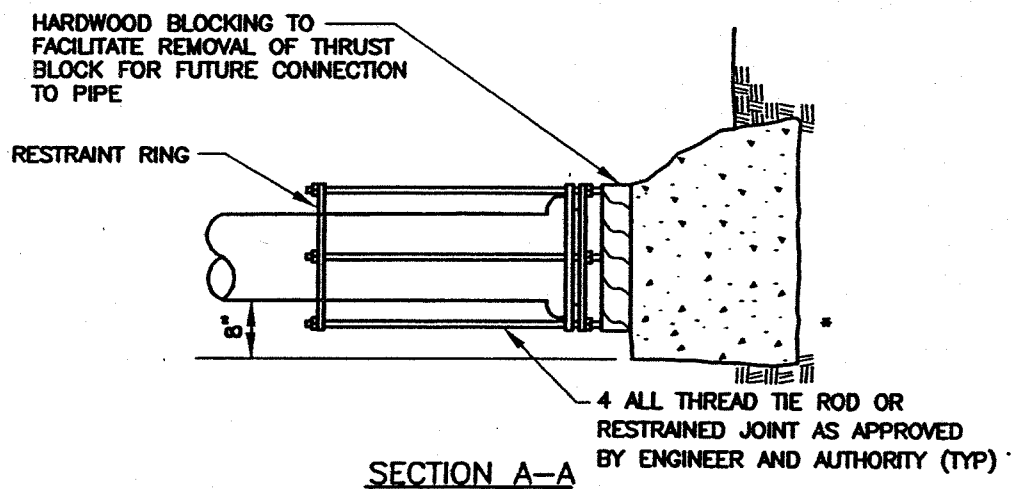
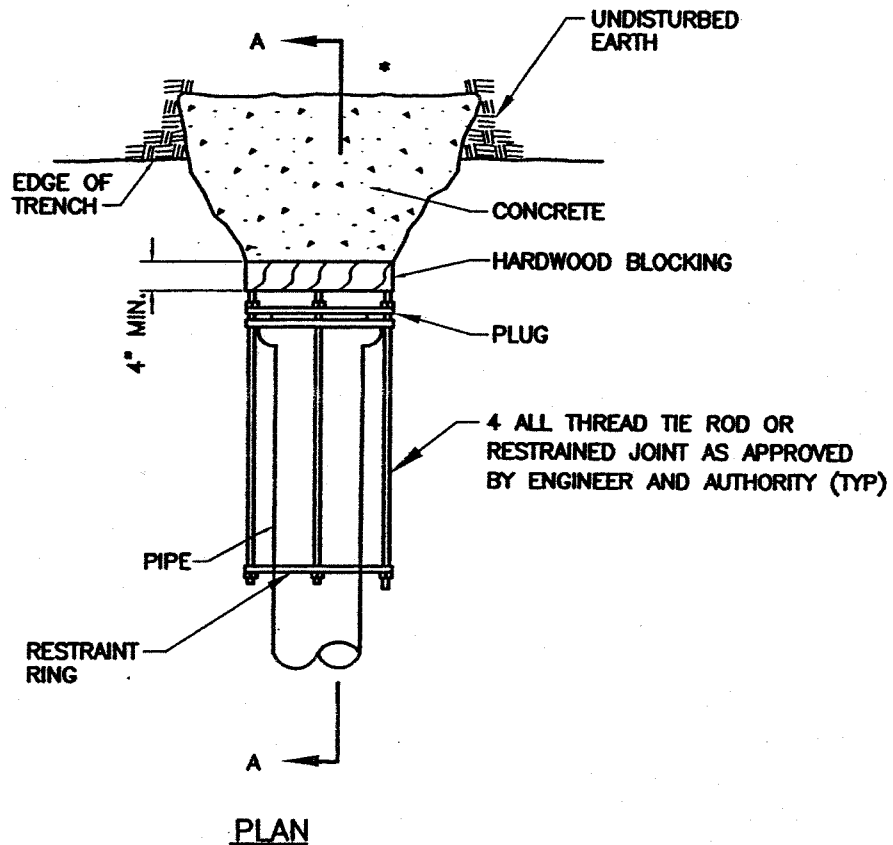
THRUST BLOCKING AT 100 PSI WORKING PRESSURE					
PIPE SIZE INCHES	MIN. BEARING SURFACE REQUIRED - S.F.				
	11 1/4" BEND	22 1/2" BEND	45° BEND	90° BEND	TEES & PLUGS
4	1.0	1.0	1.0	1.0	1.0
6	1.0	1.0	1.5	2.5	2.0
8	1.0	1.5	2.5	4.0	3.0
10	1.0	2.0	3.5	6.5	5.0
12	1.5	2.5	5.0	9.0	7.0

THRUST BLOCKING AT 150 PSI WORKING PRESSURE					
PIPE SIZE INCHES	MIN. BEARING SURFACE REQUIRED - S.F.				
	11 1/4" BEND	22 1/2" BEND	45° BEND	90° BEND	TEES & PLUGS
4	1.5	1.5	1.5	1.5	1.5
6	1.5	1.5	2.0	4.0	3.0
8	1.5	2.0	4.0	7.0	5.0
10	1.5	3.0	5.5	10.5	7.5
12	2.0	4.0	8.0	14.5	10.5

THRUST BLOCKING AT 200 PSI WORKING PRESSURE					
PIPE SIZE INCHES	MIN. BEARING SURFACE REQUIRED - S.F.				
	11 1/4" BEND	22 1/2" BEND	45° BEND	90° BEND	TEES & PLUGS
4	2.0	2.0	2.0	2.0	2.0
6	2.0	2.0	3.0	5.5	4.0
8	2.0	2.5	5.0	9.0	6.5
10	2.0	4.0	7.5	14.0	10.0
12	3.0	5.5	10.5	19.5	14.0

NOTE: THE ABOVE VALUES ARE
BASED ON A SOIL BEARING
CAPACITY OF 2000 PSF. FIELD
CONDITIONS SUBSTANTIALLY
DIFFERENT SHOULD BE RE-
PORTED TO THE ENGINEER.

TYPICAL DETAIL	
THRUST BLOCK BEARING AREA	
S.T.M.A.	PLATE X



NOTES:

1. PLUG OR CAP SHALL BE SUITABLE FOR USE WITH SPECIFIED PIPE AND DESIGN PRESSURE.
2. * BEARING SURFACE: REFER TO STANDARD BEARING AREA TABLE; USE BEARING AREA REQUIRED FOR 90° BEND AND SIZE OF PIPE INDICATED.

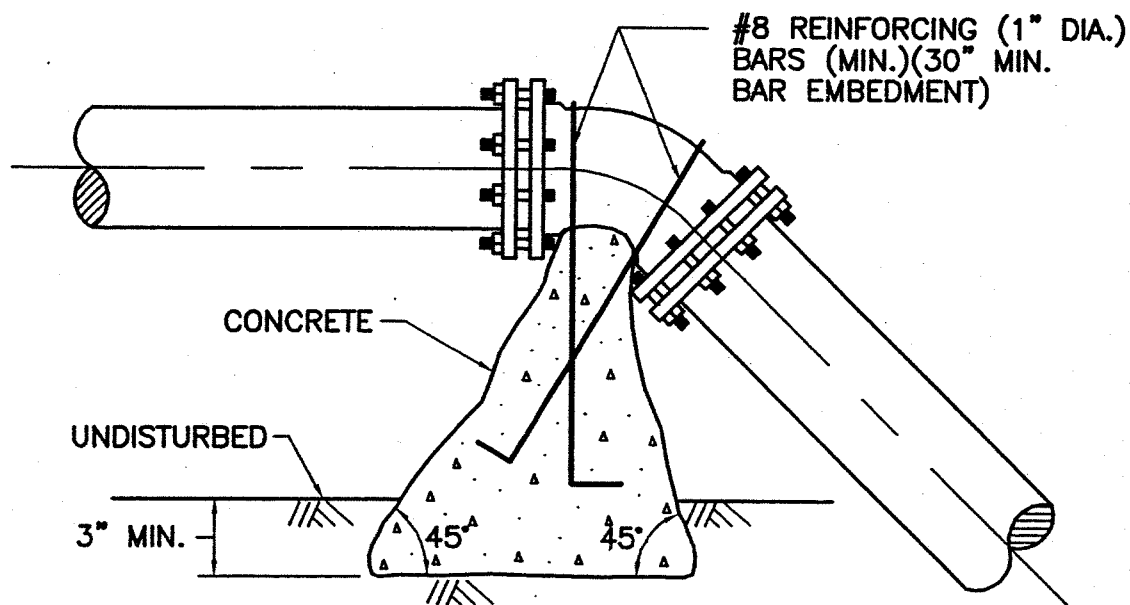
TYPICAL DETAIL

END CAP DETAIL

S.T.M.A.

PLATE

XI



SECTION

100 P.S.I. WORKING PRESSURE	
PIPE SIZE INCHES	CUBIC YARDS OF CONCRETE REQUIRED(Min.)
4	0.5
6	1.0
8	1.7
10	2.8
12	3.9

200 P.S.I. WORKING PRESSURE	
PIPE SIZE INCHES	CUBIC YARDS OF CONCRETE REQUIRED(Min.)
4	1.0
6	2.0
8	3.4
10	5.6
12	7.8

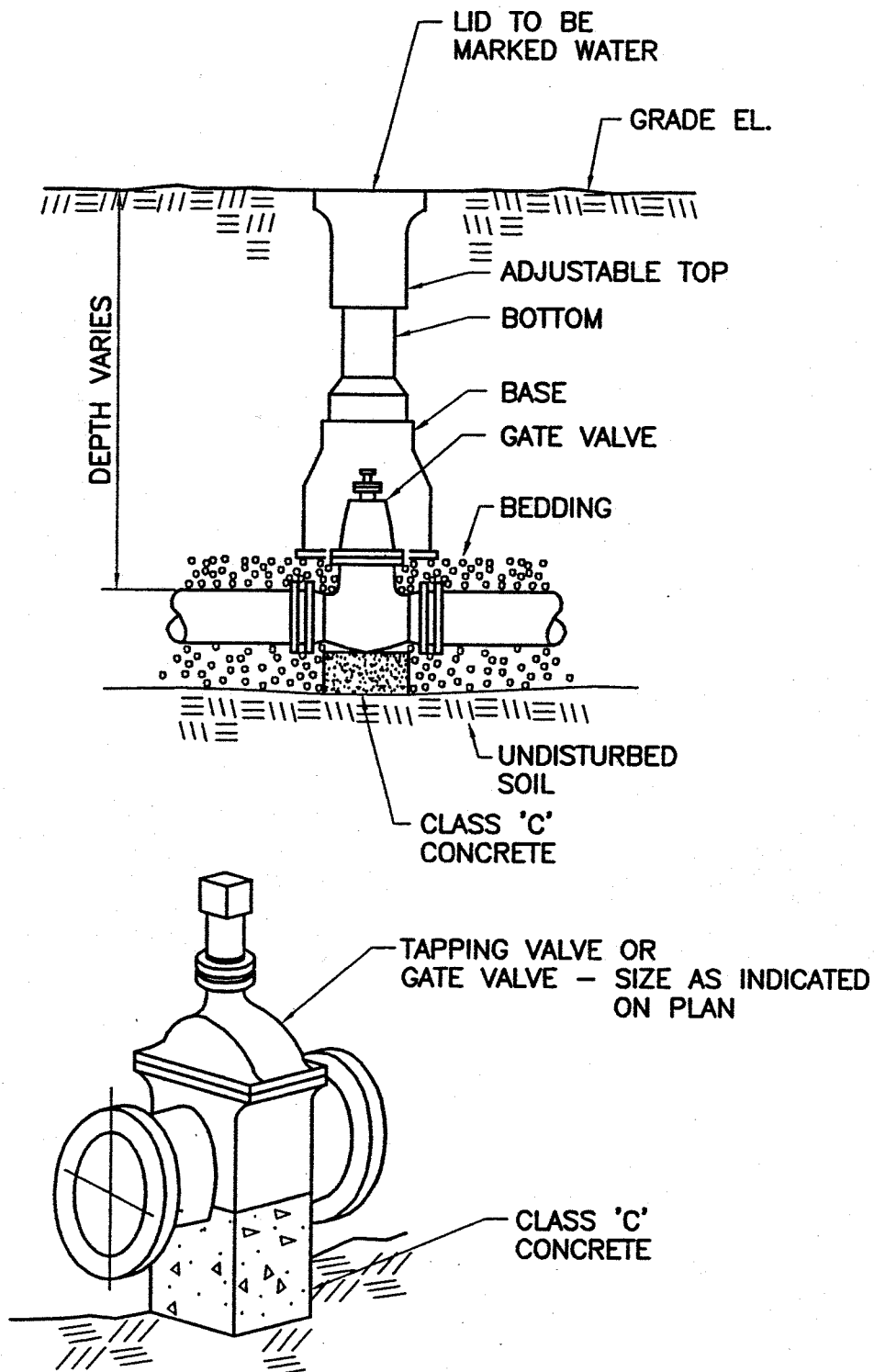
150 P.S.I. WORKING PRESSURE	
PIPE SIZE INCHES	CUBIC YARDS OF CONCRETE REQUIRED(Min.)
4	0.75
6	1.5
8	2.55
10	4.2
12	5.85

TYPICAL DETAIL

THRUST BLOCK ANCHOR DETAIL

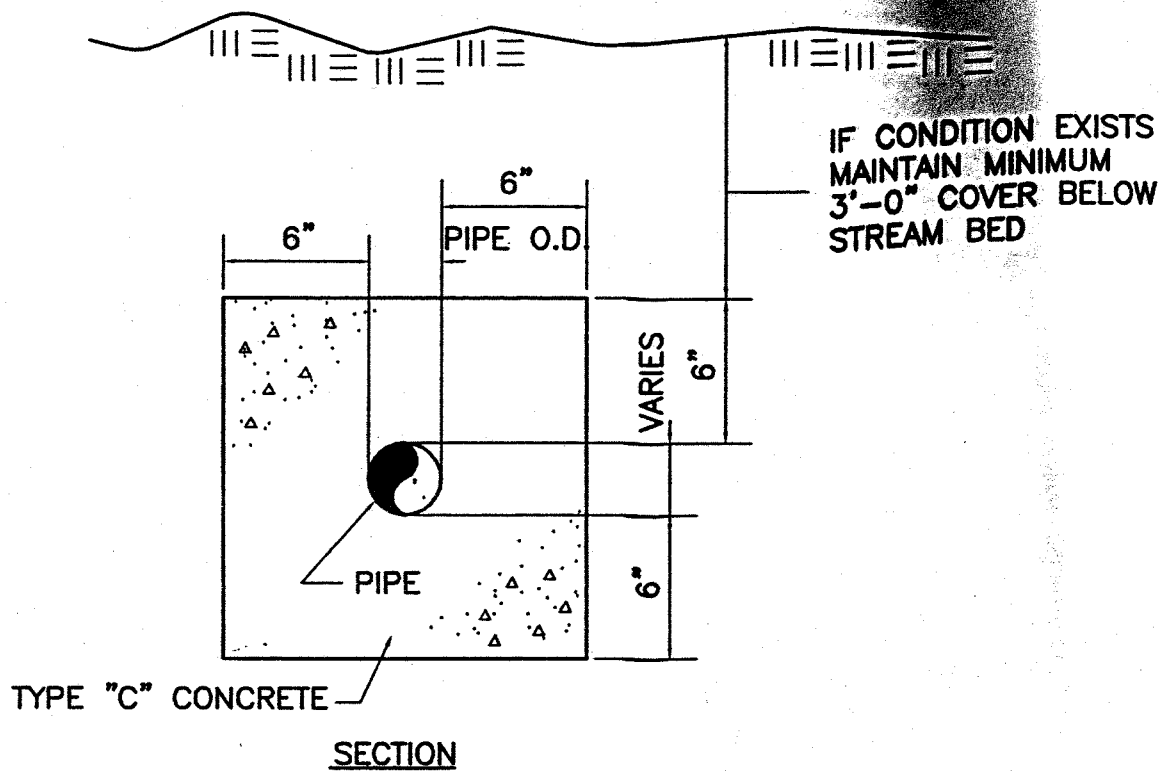
S.T.M.A.

PLATE XII



TYPICAL DETAIL

VALVE BLOCKING



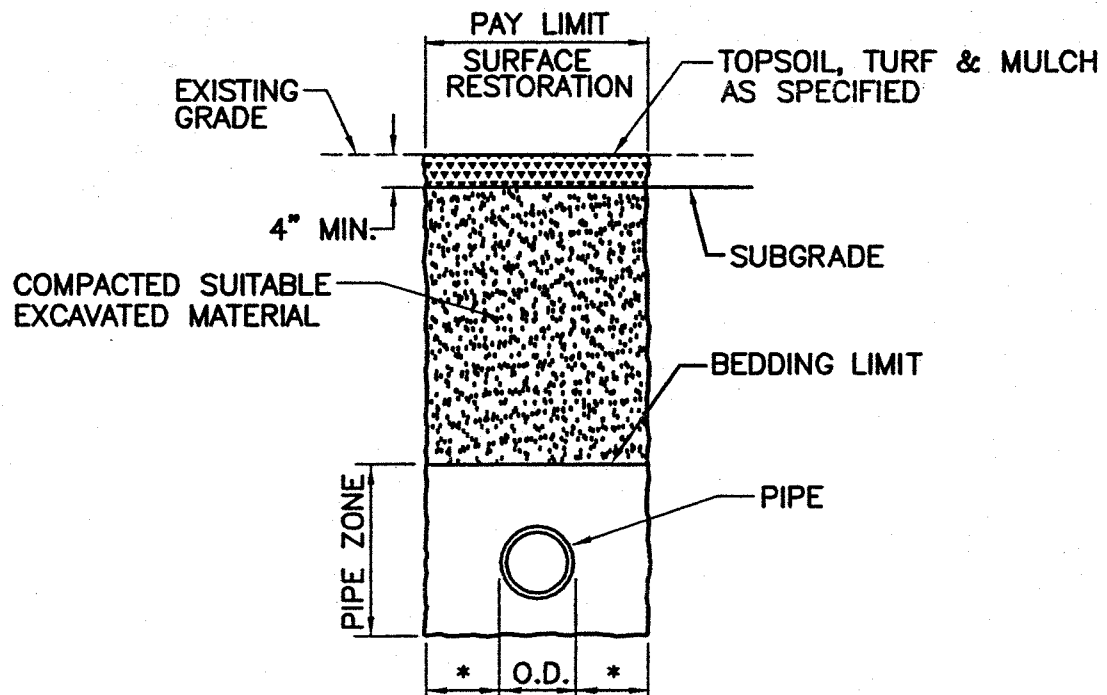
TYPICAL DETAIL

CONCRETE ENCASEMENT

S.T.M.A.

PLATE

XIV



SECTION

UNPAVED AREA RESTORATION

N.T.S.

* 1. 12" BEYOND PIPE WITHIN
PENN D.O.T. RIGHT-OF-WAY,
ALL OTHER AREAS SHALL
BE 8" BEYOND PIPE.

2. UNPAVED RESTORATION
SHALL BE USED WHEN EDGE
OF TRENCH IS 4' OR MORE
BEYOND EDGE OF PAVED
SHOULDER.

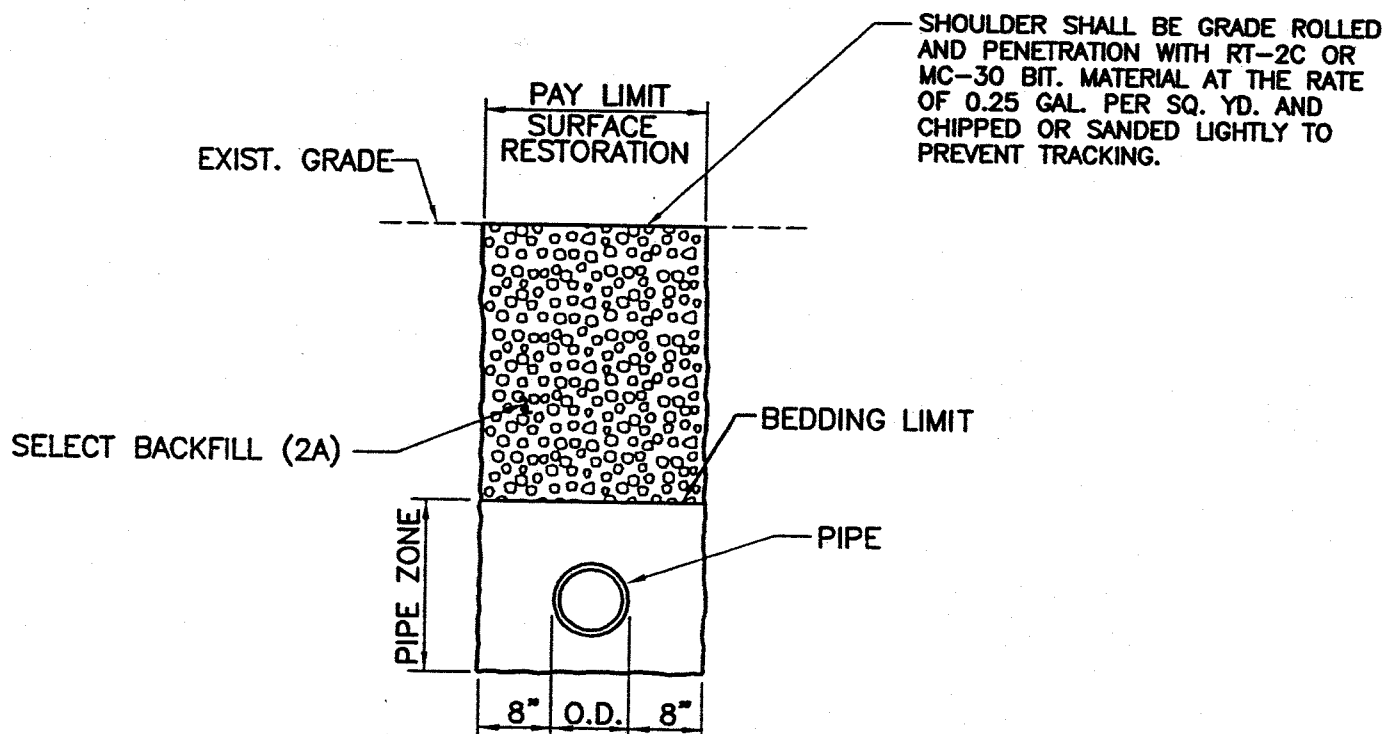
TYPICAL DETAIL

UNPAVED AREA RESTORATION

S.T.M.A.

PLATE

XV

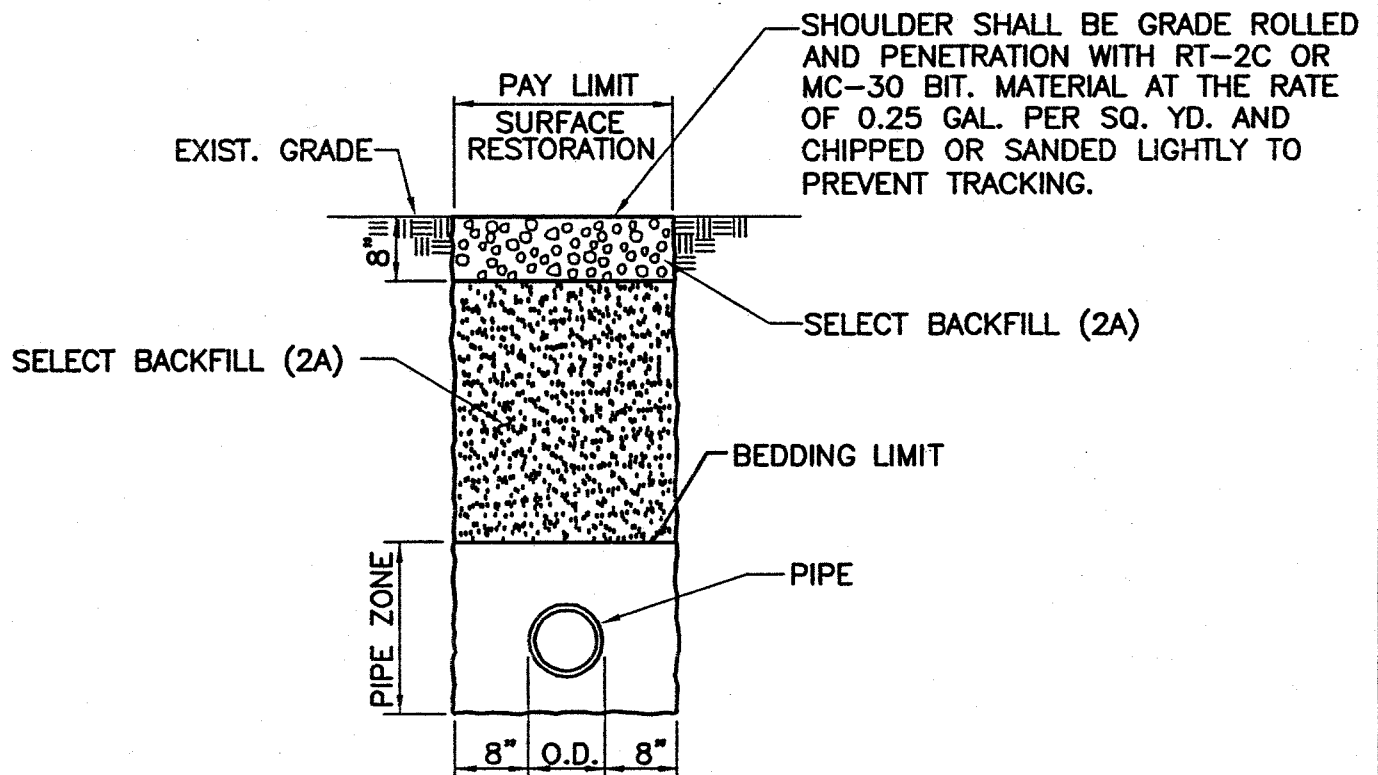


SECTION

TREATED MUNICIPAL
SHOULDER RESTORATION

N.T.S.

TYPICAL DETAIL	
<u>TREATED MUNICIPAL SHOULDER RESTORATION</u>	
S.T.M.A.	PLATE XVI

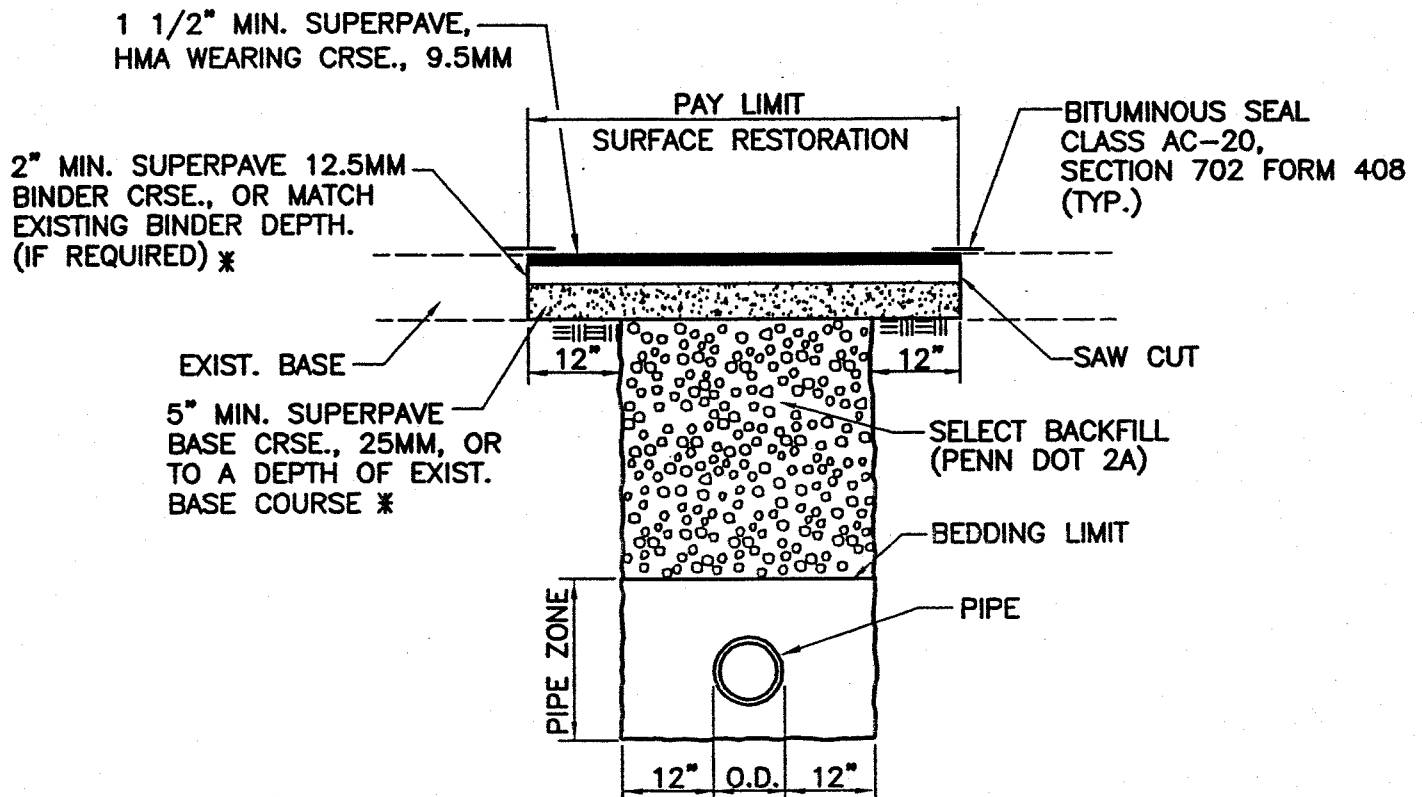


SECTION

UNPAVED MUNICIPAL
SHOULDER RESTORATION

N.T.S.

TYPICAL DETAIL	
<u>UNPAVED MUNICIPAL SHOULDER RESTORATION</u>	
S.T.M.A.	PLATE XVII



* (WHICHEVER IS GREATER)

FLEXIBLE BASE

STATE HIGHWAY
FINAL PAVING DETAIL

N.T.S.

NOTE:

1. PAVEMENT TRENCH SHALL BE SAWED OR CUT IN A NEAT STRAIGHT LINE TO THE BOTTOM ELEVATION OF THE EXISTING BASE COURSE AND THE DETACHED MATERIAL SHALL BE REMOVED.

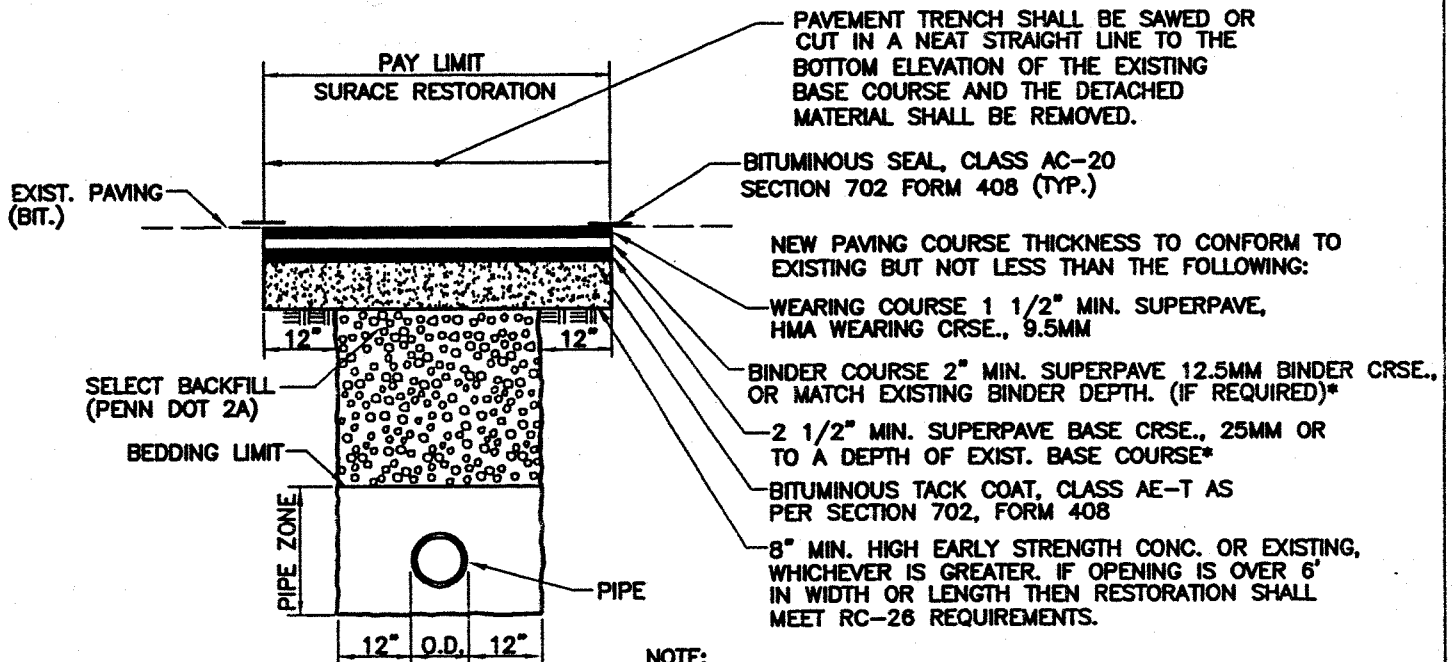
TYPICAL DETAIL

STATE HIGHWAY – FLEXIBLE BASE
FINAL PAVING DETAIL

S.T.M.A.

PLATE

XVIII



NOTE:

IF THE TRENCH EXCEEDS FOUR(4) FEET WIDTH, NO. 6 REINFORCING BARS SHALL BE INSTALLED IN THE CONCRETE BASE COURSE, PLACED AT 6" CENTERS. MEASURED LONGITUDINALLY IN THE DIRECTION OF THE TRENCH, WITH A 2" CLEARANCE ON EACH END AND A 3" CLEARANCE ON THE BOTTOM.

**STATE HIGHWAY
FINAL PAVING DETAIL
N.T.S.**

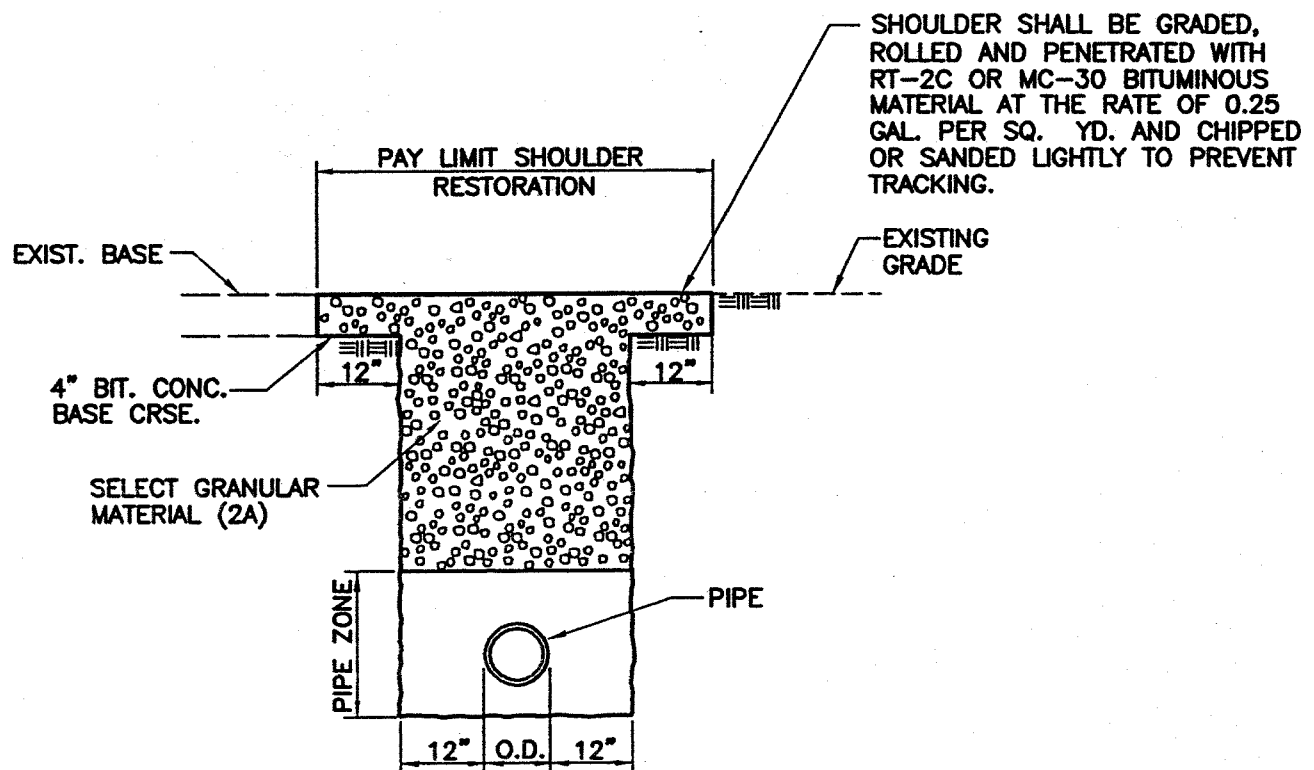
TYPICAL DETAILS

**STATE HIGHWAY — RIGID BASE
FINAL PAVING DETAIL**

S.T.M.A.

PLATE

XIX



SECTION

STATE HIGHWAY STABILIZED
SHOULDER RESTORATION

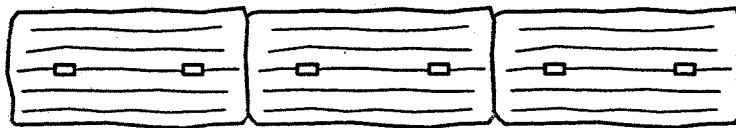
N.T.S.

NOTES:

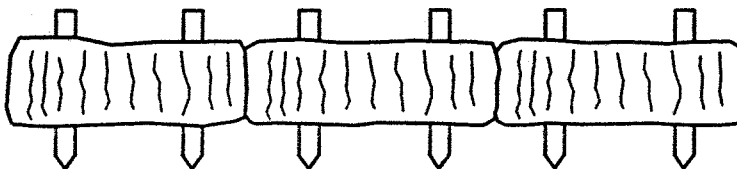
1. IF SUBBASE EXISTS, IT SHALL BE REPLACED WITH 2A MATERIAL.
2. ANY SHOULDER DISTURBANCE SHALL BE REPAIRED IN ACCORDANCE WITH PENN D.O.T. STANDARDS.

TYPICAL DETAILS	
<u>STATE HIGHWAY STABILIZED</u> <u>SHOULDER RESTORATION</u>	
S.T.M.A.	PLATE <u>XX</u>

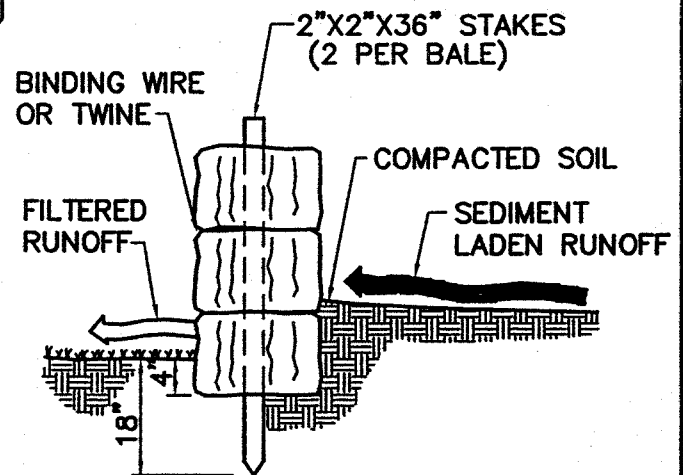
TABLE 17	
MAXIMUM SLOPE LENGTHS FOR STRAW BALE BARRIERS	
SLOPE-PERCENT	MAXIMUM SLOPE LENGTH (FT.) ABOVE BARRIER
2 (OR LESS)	150
5	100
10	50
15	35
20	25
25	20
30	15
35	15
40	15
45	10
50	10



PLAN



ELEVATION
NOT TO SCALE



SECTION

1. BALE SHALL BE BOUND WITH TWINE. ANCHORING TRENCH.
2. STRA BALE BARRIERS MUST BE PLACED AT LEVEL GRADE. BOTH ENDS OF THE BARRIER MUST BE EXTENDED AT LEAST 8 FEET UPSLOPING AT 45° TO MAIN BARRIER ALIGNMENT.
3. STRAW BALE BARRIERS SHOULD NOT BE USED FOR MORE THEN 3 MONTHS.

TYPICAL DETAILS

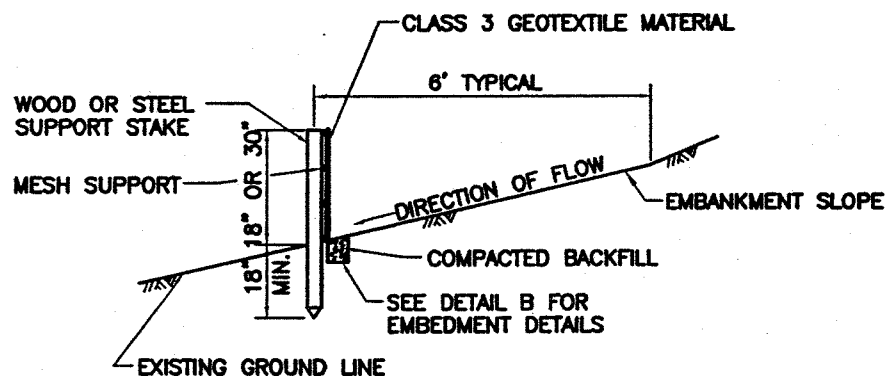
SEDIMENT BARRIER-STRAW BALES

S.T.M.A.

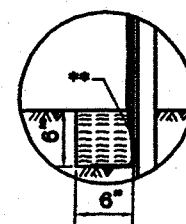
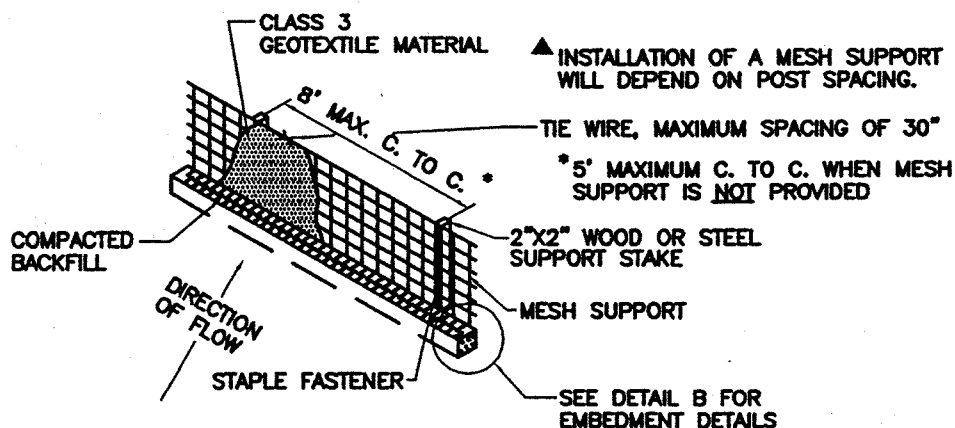
PLATE

XXI

TABLE 18 MAXIMUM SLOPE LENGTHS FOR FILTER FABRIC FENCES		
SLOPE - PERCENT	MAXIMUM SLOPE LENGTH (FT) ABOVE FENCES	
	18" HIGH FENCE	30" HIGH FENCE
2 (OR LESS)	150	500
5	100	250
10	50	150
15	35	100
20	25	70
25	20	55
30	15	45
35	15	40
40	15	35
45	10	30
50	10	25



TOE OF SLOPE CONDITION



** EXTEND FABRIC 8" TO 12" INTO EXCAVATED TRENCH

DETAIL B

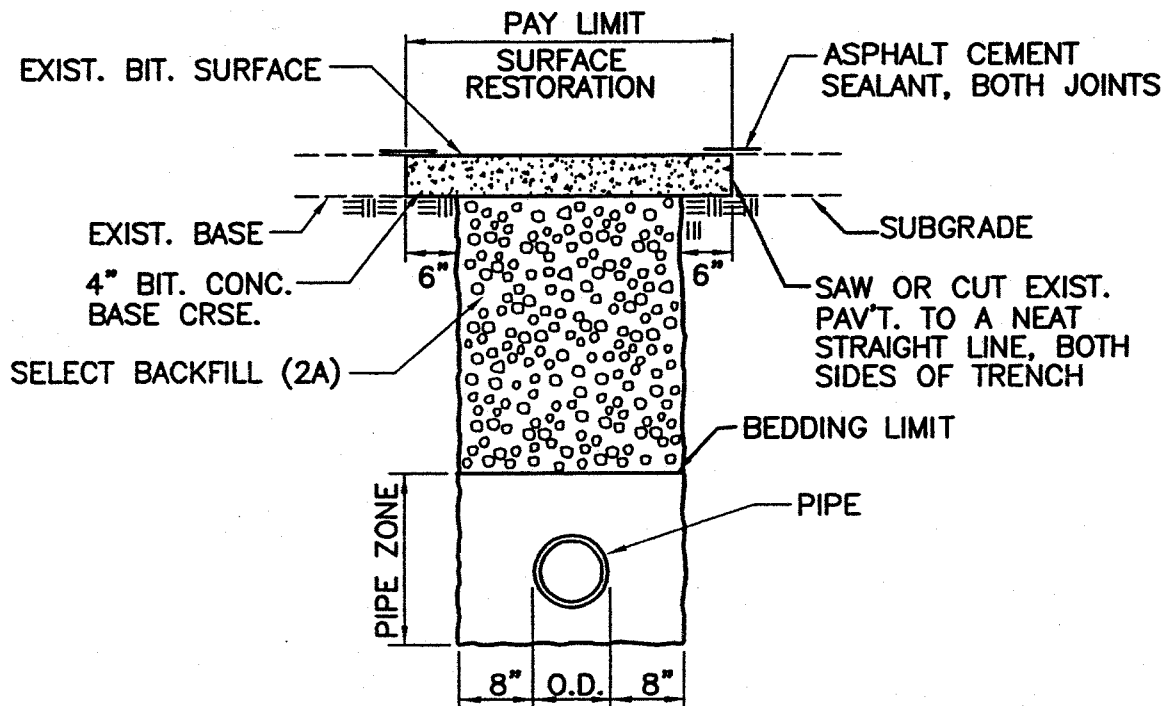
TYPICAL DETAIL

FILTER FABRIC SILT FENCE

S.T.M.A.

PLATE

XXII

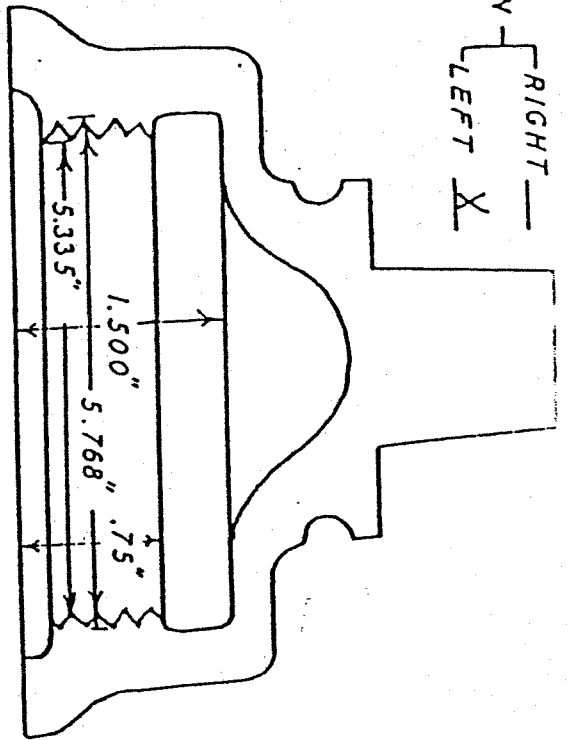


SECTION

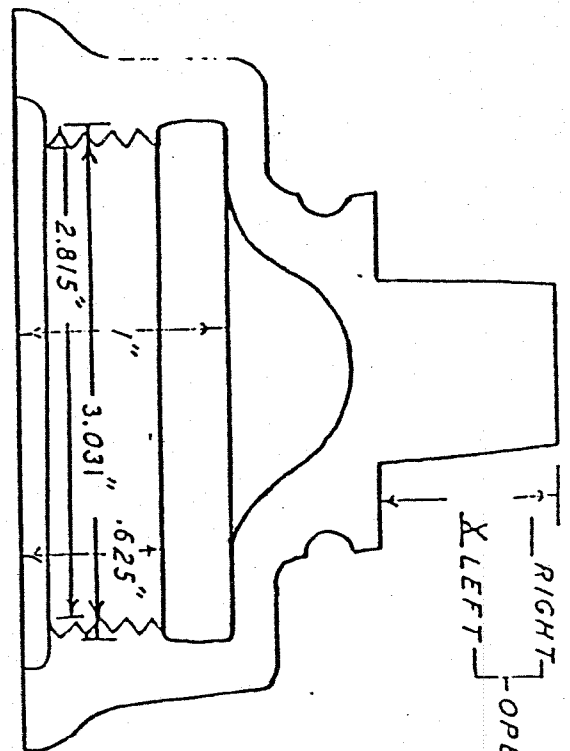
MUNICIPAL HIGHWAY
PAVED SURFACE RESTORATION
 N.T.S.

TYPICAL DETAIL	
<u>MUNICIPAL HIGHWAY</u> <u>PAVED SURFACE RESTORATION</u>	
S.T.M.A.	PLATE XXIII

OPEN — RIGHT —
LEFT X

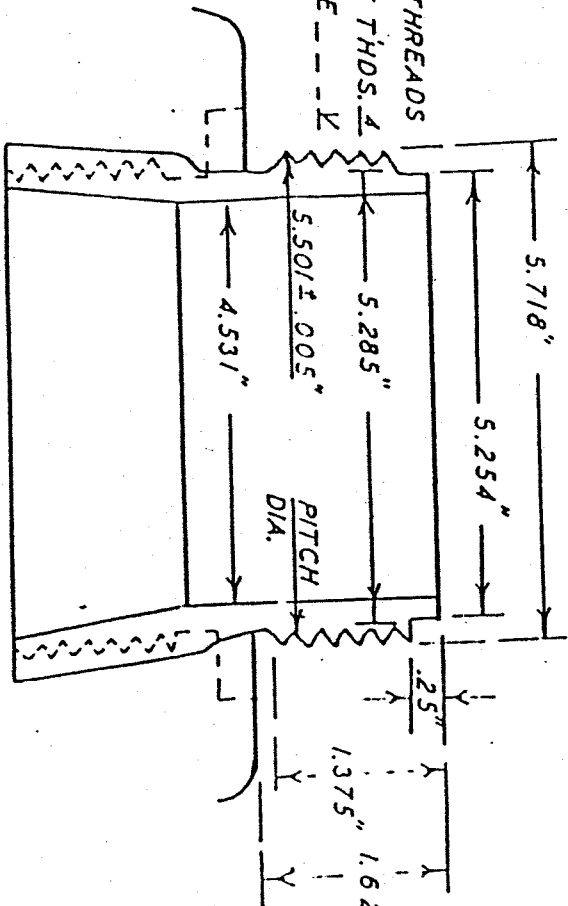


RIGHT —
LEFT X OPEN

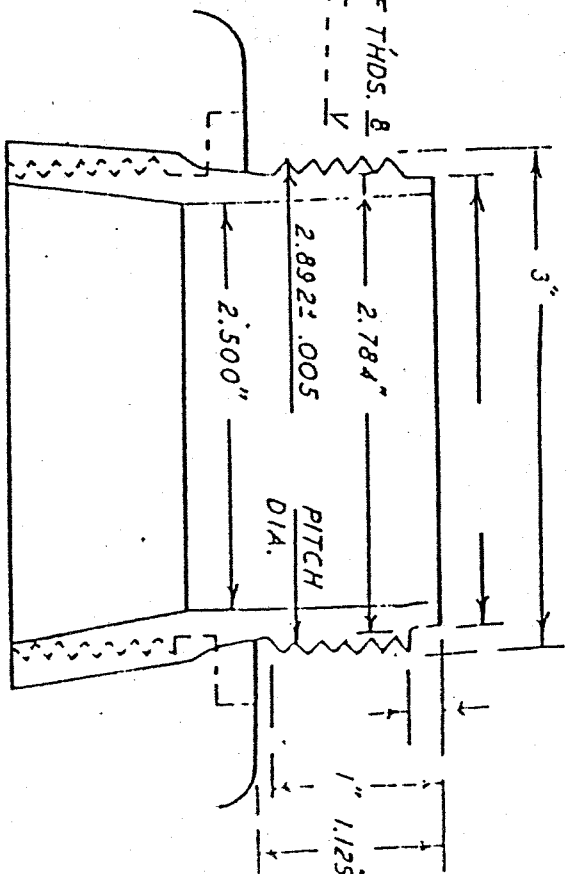


QUICK THREADS

No. OF THDS. 4
STYLE — — — X



No. OF THDS. 8
STYLE — — — X



HOSE & STEAMER NOZZLE,
CAP & OPERATING NUT DETAIL SHEET

PLATE XXIV