

**MONTGOMERY TOWNSHIP MUNICIPAL
SEWER AUTHORITY**

SANITARY SEWER LATERAL

PERMITTING PROGRAM

AND

CONSTRUCTION STANDARDS

**MONTGOMERY TOWNSHIP MUNICIPAL SEWER AUTHORITY
(MTMSA)
SANITARY SEWER LATERAL PERMIT/CONNECTION PROCEDURES**

- Prior to connecting any sewer lateral to the MTMSA's sanitary sewer system, an applicant (Property Owner or Contractor) shall complete a Permit Application, submit an \$85.00 Permit Fee, and receive written approval via a Sewer Connection Permit from the MTMSA.
- Sewage Facilities Planning Approval must be obtained from the Pennsylvania Department of Environmental Protection ("PA DEP") prior to the issuance of a Sewer Connection Permit by the MTMSA. An applicant may prepare/file the documentation needed to obtain such approval, or request assistance from the MTMSA. In the event that the applicant requests the MTMSA's assistance, the applicant will be required to post escrow addressing the estimated administrative expenses of the MTMSA to complete the required PA DEP documentation. The amount of the required escrow will be determined by the MTMSA based upon the complexity of the application. Any unused escrow funds will be returned to the applicant upon issuance of the Sewer Connection Permit.
- Upon issuance of the Sewer Connection Permit by the MTMSA, the plumber shall contact the MTMSA's Administrative Office to arrange for an inspection by calling 215-393-6930 at least two days in advance of the required inspection.
- For new construction, sewer connections will generally require two inspections. The first inspection will involve the excavation and removal of the end cap at the lateral connection point. If no 6" x 6" x 6" test tee had previously been installed, a test tee shall be installed. The second inspection will involve the visual inspection of the lateral line, leakage test and final connection to the house. Backfilling of the lateral trench shall not be performed until the lateral has successfully passed the required leakage test.
- For existing homes, both inspections required for new construction will be performed. In addition, an inspection will be required for the proper abandonment of the septic system. This will include assuring the top is removed, tank cleaned out (Certificate provided), and tank is filled with 2B stone or clean dry fill. After this inspection, surface restoration may be performed.
- Upon final inspection, the plumber shall provide the MTMSA inspector with an As-built drawing as provided with the Sewer Connection Permit. The inspector will sign the Connection Permit Form and copies will be forwarded to the MTMSA and the Property Owner/Applicant.

**MONTGOMERY TOWNSHIP MUNICIPAL SEWER AUTHORITY
(MTMSA)
PERMIT APPLICATION FOR
SANITARY SEWER LATERAL CONNECTIONS**

Application Date: _____

Estimated Cost: _____

I. OWNER INFORMATION

First Name:	Last Name or Business Name:	Telephone Number:	
Street Address:	City:	State:	Zip:

II. PROPERTY INFORMATION

Street Address:	Apt.:	Zip:	Parcel No.:	Zoning:
Subdivision:	Lot Number:		Parcel Type: <input type="checkbox"/> Residential (Check One) <input type="checkbox"/> Commercial/ Industrial	

III. PLUMBER INFORMATION

Name of Contractor:	Address (Street, City, State, Zip):	License No.:
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IV. PERMIT REQUIREMENTS

- All Contractors must be registered annually with Montgomery Township. The Annual Registration Fee is \$50.00.
- All Permits shall be signed by the Contractor and Property Owner.

**MONTGOMERY TOWNSHIP MUNICIPAL SEWER AUTHORITY
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SANITARY SEWER LATERAL CONNECTIONS**

- Contractors shall furnish a valid Certificate of Insurance listing the Montgomery Township Municipal Sewer Authority and all of its employees and agents as additional insureds.

- Homeowners Association approval is required for the following developments:

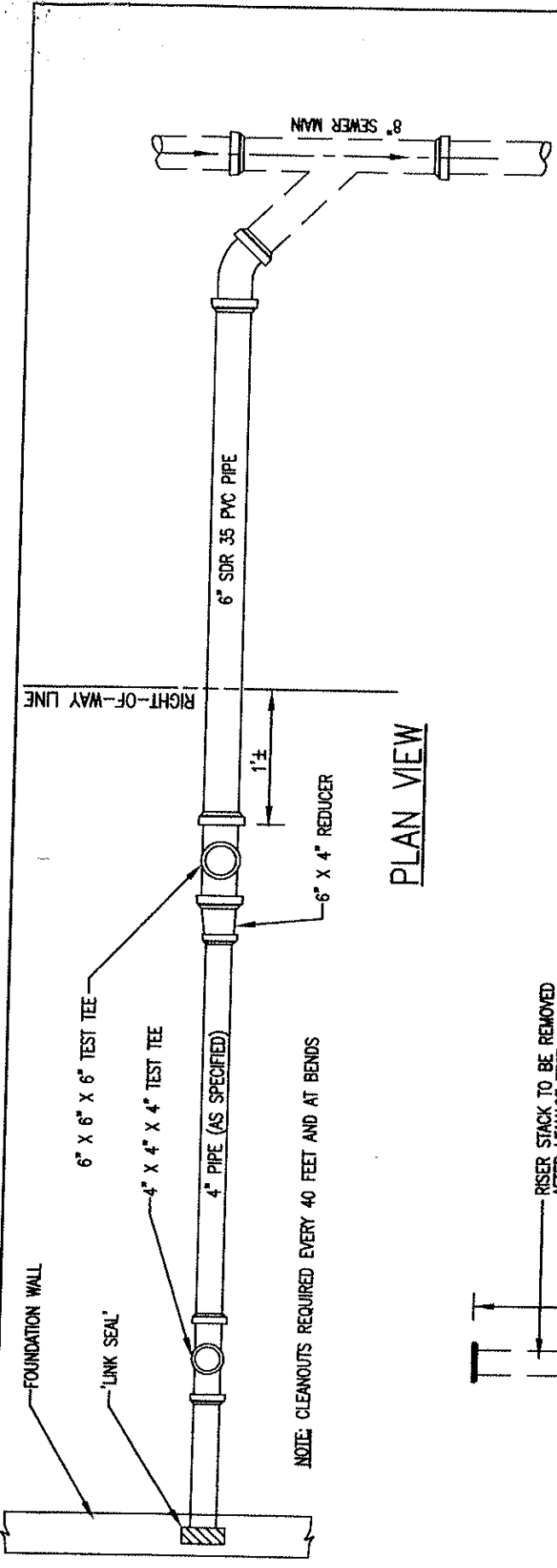
De LaSalle	Montgomery Place	Terrace at Montgomery
Gwynedd Point	Neshaminy Falls	Victoria Court
Montgomery Glen	Pinecrest	Wethersfield
Montgomery Greene	Pine Tree Ridge	Winners' Circle

- The Permit Fee (\$85.00) must be paid at the time of Permit submittal. The MTMSA deposits Permit Fees upon receipt. Receipt of this deposit, however, does not constitute Permit approval. A Permit is not in effect until a signed Permit Card is issued by the MTMSA.

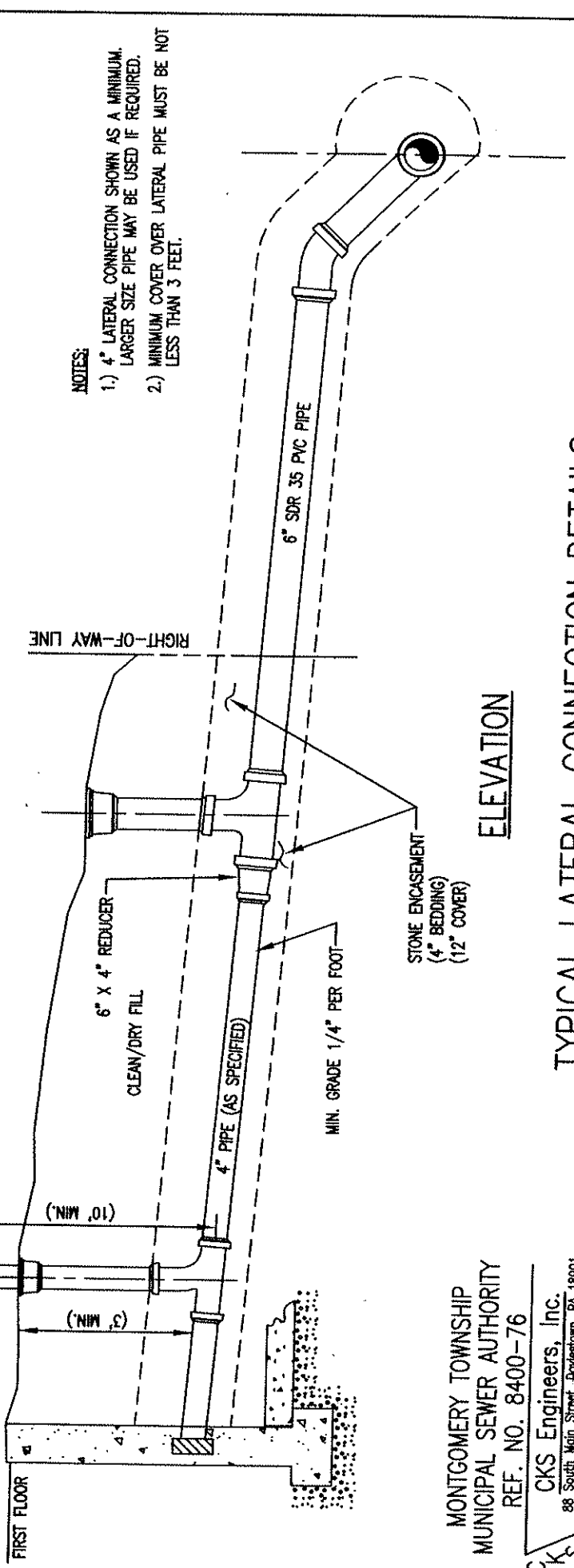
V. CERTIFICATION

I hereby certify that I am the Owner of Record of the named property, or that the proposed work is authorized by the Owner of Record and that I have been authorized by the Owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a Permit for work described in this application is issued, I certify that the MTMSA or the MTMSA's Representative (Engineer) shall have the authority to enter areas addressed by such Permit at any reasonable hour to enforce the provisions of the Code(s) applicable to such Permit.

Signature of Property Owner	Date
Signature of Contractor	Date



PLAN VIEW



ELEVATION

- NOTES:**
- 1.) 4" LATERAL CONNECTION SHOWN AS A MINIMUM. LARGER SIZE PIPE MAY BE USED IF REQUIRED.
 - 2.) MINIMUM COVER OVER LATERAL PIPE MUST BE NOT LESS THAN 3 FEET.

TYPICAL LATERAL CONNECTION DETAILS
N.T.S.

MONTGOMERY TOWNSHIP
MUNICIPAL SEWER AUTHORITY
REF. NO. 8400-76

CKS Engineers, Inc.
88 South Main Street, Doylestown, PA 18901
(215) 340-0600

Property Address:	
Owner Name:	

Permit Number:	
Approval Date:	
Approved By:	

(Initial)

MONTGOMERY TOWNSHIP MUNICIPAL SEWER AUTHORITY (MTMSA)

SANITARY SEWER LATERAL CONNECTION PERMIT

- This Permit authorizes permittee to make final sewer connection to the MTMSA sanitary sewer system.
- Permittee shall follow all rules, regulations and procedures of the MTMSA's plumbing codes/ construction standards and the MTMSA Sewer Lateral Connections and Abandonment of Septic System guidelines.
- Upon completion of sanitary sewer lateral connection, permittee or his assigned agent (contractor) shall prepare an As-built diagram, showing all relative dimensional criteria and location of constructed lateral with respect to the house, property lines or other significant structures. A form is attached hereto for the purpose of preparing the As-built diagram.
- Attach completed As-built to this Permit Form and provide both documents to the MTMSA's inspector. The inspector will sign the Permit to verify that all work has been satisfactorily completed, including all testing.
- A copy of the Permit and As-built will be sent to the property owner and to the MTMSA for the property file.

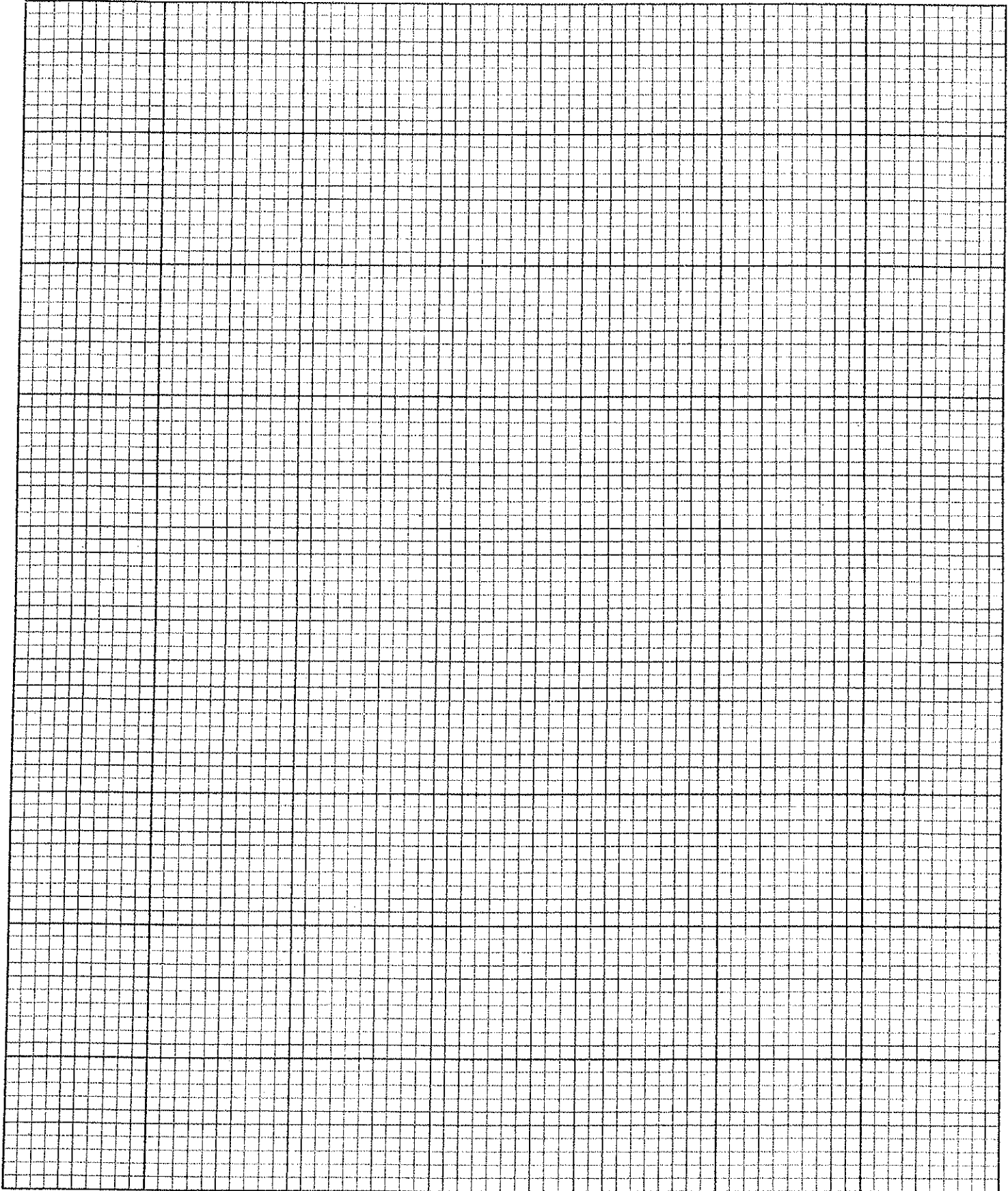
MTMSA Inspector Signature*

Date

*To be signed upon completion of lateral connection, including testing and backfill.

SANITARY SEWER LATERAL
AS-BUILT

(Show lot lines, easements and work layout and dimensions)



SCALE = 1 Inch = _____ FEET

MONTGOMERY TOWNSHIP MUNICIPAL SEWER AUTHORITY (MTMSA)
RULES AND REGULATIONS FOR RESIDENTIAL
SANITARY SEWER LATERAL CONNECTIONS AND
ABANDONMENT OF SEPTIC SYSTEMS (IF REQUIRED)
6/13/08

- All plumbing must be inspected prior to backfill.
- Underground sewer pipe shall have a maximum SDR of 35 and shall conform to ASTM D3034. Pipe joints shall be made and joined with an integral bell, bell and spigot rubber gasketed joint. Each integral bell joint shall consist of a formed bell complete with a single rubber gasket. Gaskets shall conform to ASTM F477. The underground sewer pipe shall be installed from the Montgomery Township Municipal Sewer Authority's six-inch (6") PVC SDR 35 lateral to within five feet (5') of the building entry which shall then be converted to Schedule 40 PVC. All changes in pipe size, direction or connection shall be through standard PVC fittings as defined in ASTM D1784.
- All piping shall be placed at a minimum 2% grade (1/4 inch per foot), unless otherwise authorized by the MTMSA.
- A minimum of 4" of 2A stone, 2B stone, or approved crushed aggregate bedding shall be placed below all piping. A minimum of 12" of 2A stone, 2B stone, or approved crushed aggregate shall be placed over the pipe.
- In the event of over excavation of the sanitary sewer lateral trench, compacted 2A stone shall be used to backfill from subgrade to bottom of lateral pipe.
- The MTMSA inspector may require modifications in pipe material, bedding, and backfill requirements where sanitary sewer laterals will be constructed under or through porch or patio foundations.
- A minimum of 36" of cover is required over all piping.
- Cleanouts are required every 40 feet and at all bends, with a minimum of one cleanout if the lateral is less than 40 feet long.
- A 6" x 6" x 6" test tee is required at the connection at the right-of-way line for the purpose of testing and future televising by the MTMSA. If a 6" x 6" x 6" test tee already exists at the end of the lateral at the right-of-way line, a 6" x 4" reducer shall be installed on the house side of the test tee.
- A minimum horizontal separation of 10 ft. must be maintained between sanitary sewer lateral and water service piping unless the vertical separation between the piping is greater than or equal to 18 inches.

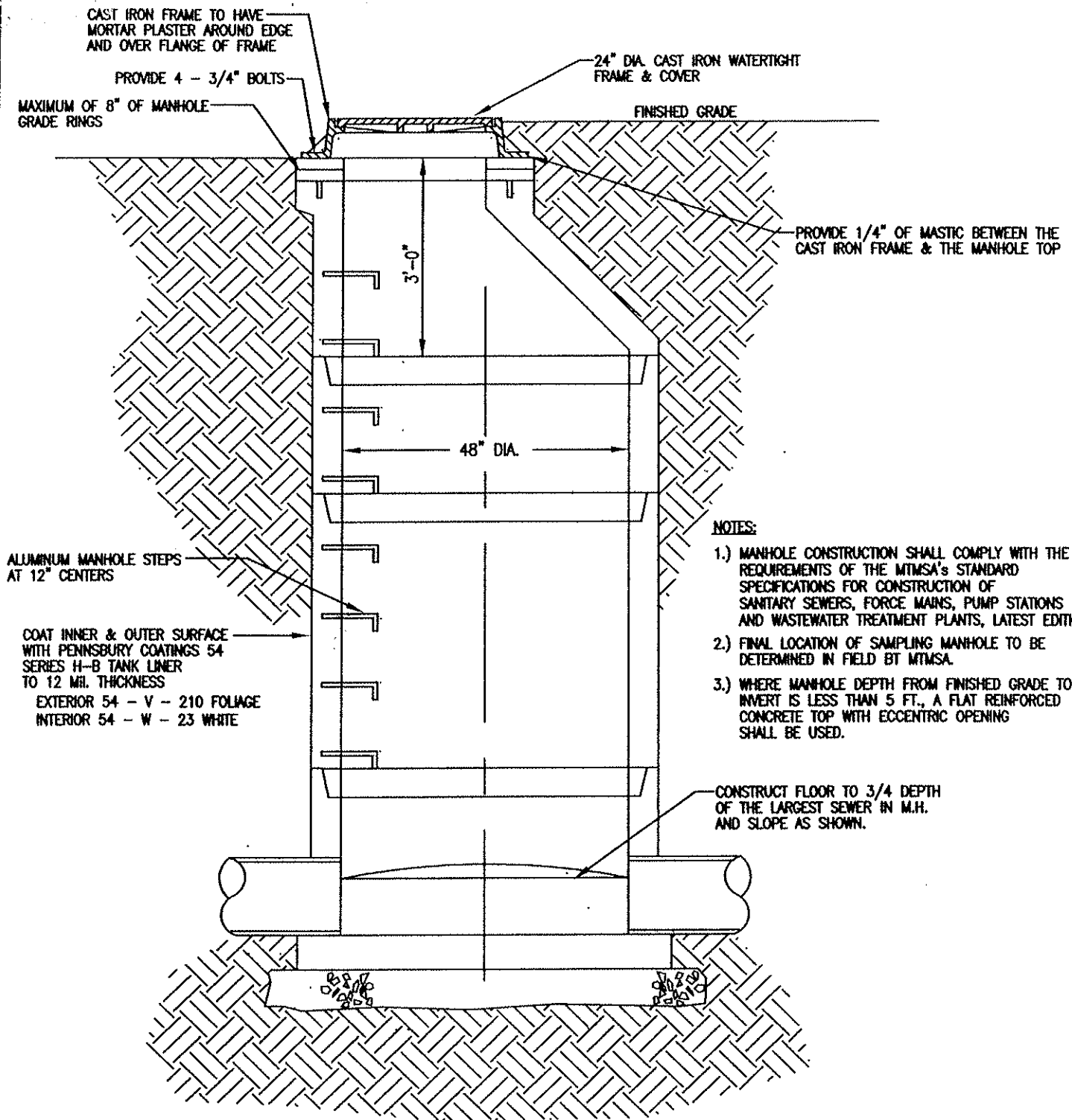
**MONTGOMERY TOWNSHIP MUNICIPAL SEWER AUTHORITY (MTMSA)
RULES AND REGULATIONS FOR RESIDENTIAL
SANITARY SEWER LATERAL CONNECTIONS AND
ABANDONMENT OF SEPTIC SYSTEMS (IF REQUIRED)
6/13/08**

- Pipe penetrations through foundation walls shall be made with Schedule 40 PVC. All penetrations shall be made using "Link Seal" to prevent water infiltration at the basement wall.
- A cleanout shall be installed just outside the foundation wall for the purpose of performing a leakage test.
- A leakage test shall be performed in the presence of the MTMSA inspector, in accordance with one of the following optional methods:
 - (1) A temporary 10-foot-high stack shall be installed at the house cleanout and filled with water. No water loss is permitted during the 15-minute test. A test plug shall be installed at the test tee at the right-of-way line.
 - (2) An air test shall be performed by installing test plugs at the test tee located at the right-of-way line and cleanout tee at the building foundation wall. Air shall be admitted into the test section in a manner acceptable to the MTMSA inspector so as to provide a minimum test pressure of 2.5 psig during the 15-minute test period. No decrease in pressure shall be permitted during the test period.
- Where connections are made to existing houses, the septic tanks shall be properly abandoned. The septic tanks shall be pumped out and flushed clean. The waste material shall be properly disposed by an approved sewage hauler and a Certificate shall be provided to the MTMSA inspector.
- Where connections are made to existing houses, plumber must demonstrate that internal plumbing within the house is properly trapped, or external trap(s) shall be provided at the location designated by the MTMSA inspector.
- All lines entering/existing the septic tank shall be flushed and plugged.
- The cover of the septic tank shall be completely removed, the bottom of the tank shall be perforated in a manner acceptable to the MTMSA inspector, and the tank backfilled with 2B stone or clean dry fill.

**MONTGOMERY TOWNSHIP MUNICIPAL SEWER AUTHORITY (MTMSA)
PERMIT APPLICATION FOR
SANITARY SEWER LATERAL CONNECTIONS
ADDITIONAL REQUIREMENTS:
COMMERCIAL/INSTITUTIONAL/INDUSTRIAL
APPLICATIONS**

All Commercial/Institutional/Industrial Sanitary Sewer Lateral Connection Permit Applications shall comply to the MTMSA's Rules and Regulations for Residential Sanitary Sewer Lateral Connections, as well as the following additional requirements:

- Sewage Facilities Planning Approval must be obtained from the Pennsylvania Department of Environmental Protection ("PA DEP") prior to the issuance of a Sewer Connection Permit by the MTMSA. An applicant may prepare/file the documentation needed to obtain such approval, or request assistance from the MTMSA. In the event that the applicant requests the MTMSA's assistance, the applicant will be required to post escrow addressing the estimated administrative expenses of the MTMSA to complete the required PA DEP documentation. The amount of the required escrow will be determined by the MTMSA based upon the complexity of the application. Any unused escrow funds will be returned to the applicant upon issuance of the Sewer Connection Permit.
- A copy of the property deed must be submitted with the permit application.
- A signed and executed Contract Agreement between the owner and general contractor and all subcontractors must be submitted with the permit application. The store/facility (owner's) name, signatures of both parties, and cost must be indicated on the contract.
- Three (3) full sets of construction plans and shop drawings pertaining to all sanitary sewer materials of construction must be submitted with the permit application. Each sheet shall bear the signature and seal of a PA Registered Design Professional.
- All industrial facilities must complete and file a Sanitary Sewage Discharge Questionnaire with the permit application.
- Grease traps shall be provided at all commercial, institutional, or industrial facilities that conduct on-site food preparation activities. The grease trap design for each facility shall be in accordance with the attached detail. The capacity of each grease trap shall be determined by the MTMSA Engineer. The minimum capacity of any grease trap shall be 1,000 gallons.
- Oil separators shall be provided at all commercial, institutional or industrial facilities that conduct any on-site activities that could potentially result in the discharge of oil or petroleum bearing wastes into the sanitary sewer system. The oil separator design shall be in accordance with the attached detail.
- All industrial facilities shall install a sampling manhole, in lieu of a 6" x 6" x 6" test tee, immediately adjacent to the right-of-way line, in accordance with the attached detail.



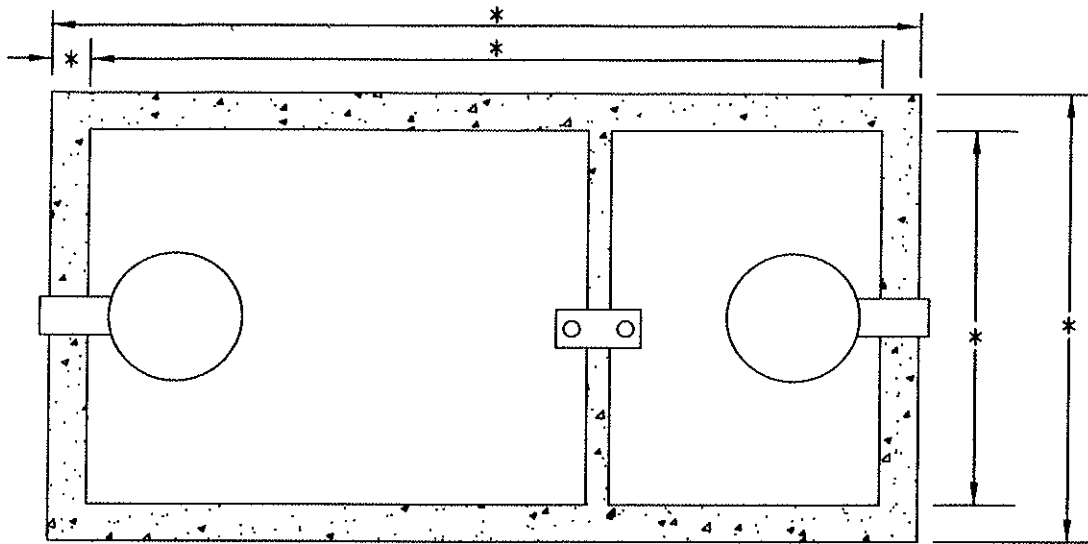
SANITARY SEWER SAMPLING MANHOLE DETAIL

N.T.S.

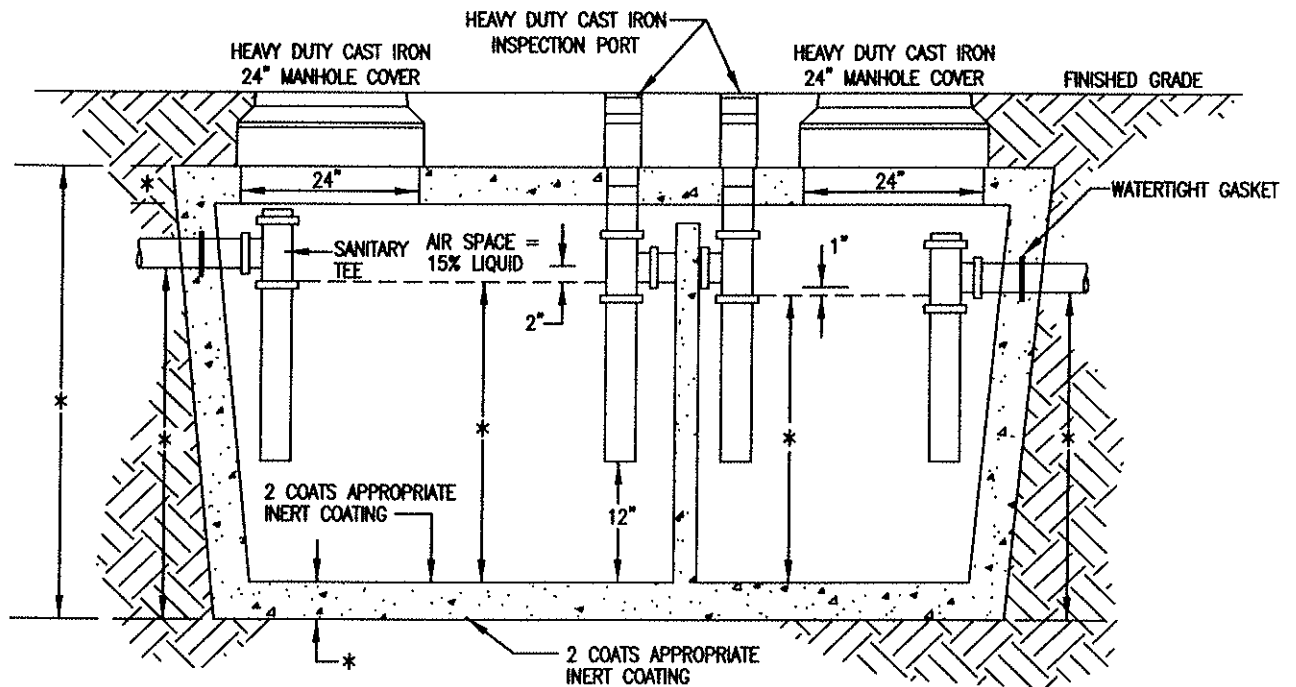
MONTGOMERY TOWNSHIP
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* DIMENSIONS TO BE DETERMINED BASED UPON CAPACITY AND STRUCTURAL REQUIREMENTS



H-20 LOADING PER ASTM A 615-57T
 4000 PSI CONCRETE
 34 REBAR @ 6" O.C., WELDED EACH WAY

OPENINGS MAY BE CAST TO SUIT
 BAFFLES @ 25% LIQUID LEVEL

EXTERIOR GREASE TRAP/OIL SEPARATOR DETAIL

N.T.S.

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