

**WORCESTER TOWNSHIP
SANITARY SEWER LATERAL
PERMITTING PROGRAM
AND
CONSTRUCTION STANDARDS**

September 18, 2024

**WORCESTER TOWNSHIP
AND
SANITARY SEWER LATERAL
PERMITTING/CONNECTION PROCEDURE**

- Prior to connecting any sewer lateral to the public sewer systems within the Township, an applicant (Property Owner or Contractor) shall complete a Permit Application, which includes a permit application plan illustrating the proposed scope of work, submit the associated Permit Application Fee (refer to the Township's fee schedule), and receive written approval via a Sewer Connection Permit from the Township.
- If the sewer lateral is to be installed on an adjacent property, the applicant must submit a fully executed Easement Agreement, signed by the applicable parties in conjunction with the Sewer Connection Permit Application.
- Sewage Facilities Planning Approval must be obtained from the Pennsylvania Department of Environmental Protection ("PADEP") prior to the issuance of a Sewer Connection Permit by the Township. An applicant may prepare/file the documentation needed to obtain such approval, or request assistance from the Township. In the event that the applicant requests the Township's assistance, the applicant will be required to post escrow addressing the estimated administrative expenses of the Township to complete the required PADEP documentation. The amount of the required escrow will be determined by the Township 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 Township, the applicant shall contact the Township Engineer, CKS Engineers to arrange for an inspection by calling 215-340-0600, at least five (5) working days in advance of the required inspection.
- For new construction, sewer connections will generally require an inspection from the end cap at the lateral connection point, (If no test tee had previously been installed, a test tee shall be installed), including the visual inspection of the lateral line, leakage test, (pressure test; 5 psi air/5 mins), and the 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, all inspections required for new construction will be performed.
- An inspection will be required for the proper abandonment of the existing on-lot sewage disposal system (if applicable). This will include assuring the top of the septic tank 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 applicant shall provide the Township's 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 Township and the Property Owner/Applicant.

APPLICATION FOR SANITARY SEWER LATERAL INSTALLATION

The below application must be completed with requesting new sewer service.

*****All Applications shall be in the name of the property owner*****

Property Classifications*: Residential Commercial Public
 Restaurant Industrial

I hereby make an application for the use of sanitary sewer and agree to be governed by the Worcester Township Sewer Ordinance (Chapter 122) for sanitary sewer, which is made part of the application with the same effect as if physically attached to it, and further agree that I shall not permit a sump pump or roof drainage to be connected to, or enter the sanitary sewer system from the described premises.

I agree to schedule an inspection with the CKS Engineers inspection at 215-340-0600 when the building service line (from the building to the service line connection) is ready for inspection and connection to the public utility main, but before any portion of the work is covered.

Owner's Name: _____ Phone# _____

Service Address: _____

Tax Parcel: _____ Account# _____

Plumber: _____ Plumber's Phone# _____

Plumber Address: _____

Sewer Connection

Pursuant to the application for a sewer connection permit, this permit is issued to the undersigned homeowner or registered Master Plumber, as agent for the owner, for connection of the building sewer (house lateral) with the public sanitary sewer system.

This permit is issued in accordance with the Ordinances of Worcester Township, relation to the sanitary sewer system in the Township.

I agree to schedule an inspection with the CKS Engineering inspection at 215-340-0600, at least five (5) working days in advance, when the building sewer is ready for inspection and connection to the public sewer, but before any portion of the work is covered. I further agree that I shall not permit a sump pump or roof drainage to be connected to or enter the sanitary sewer system from the above described premises. Septic tanks/cesspools must be filled in.

Applicant Signature: _____ Date: _____

Date of hook up: _____ Septic System Filled In: _____

SEWER CONNECTION (For Township Use Only)

Check box if received:

Professional Services Agreement:

Reservation of Capacity Agreement:

Sewer Service Agreement:

Application approved and permit issued by: _____ Date: _____

Worcester Township Inspection Signature*

Date

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

**WORCESTER TOWNSHIP
SUMMARY OF RULES AND REGULATIONS
FOR RESIDENTIAL
SANITARY SEWER LATERAL CONNECTIONS AND
ABANDONMENT OF SEPTIC SYSTEM (IF REQUIRED)**

- 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 six-inch (6") PVC SDR 35 lateral to within five feet (5') of the building entry which shall be converted to Schedule 80 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 Township.
- A minimum of 4" of 2A stone or 2B stone, bedding shall be placed below all piping. A minimum of 12" of 2A stone or 2B stone 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 Township's 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 minimum horizontal separation of 10 feet 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.
- A cleanout shall be installed just outside the foundation wall for the purpose of performing a leakage test.
- Pipe penetration through the foundation wall shall be made with a protective sleeve two sizes or greater than the lateral pipe. The annular space between the sleeve and the lateral pipe shall be sealed using "Link Seal" to prevent water infiltration at the basement wall.

- 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 of by an approved sewage hauler and a Certificate shall be provided to the Township inspector.
- Where connections are made to an existing house, a 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 Township inspector.
- All lines entering/exiting 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 Township inspector, and the tank backfilled with 2b stone or clean dry fill.

**WORCESTER TOWNSHIP
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 Summary of Rules and Regulations for Residential Sanitary Sewer Lateral Connections, as well as the following additional requirements:

- 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 Service materials of construction must be submitted with the permit application. Each sheet shall bear the signature and seal of a PA Registered Professional Engineer.

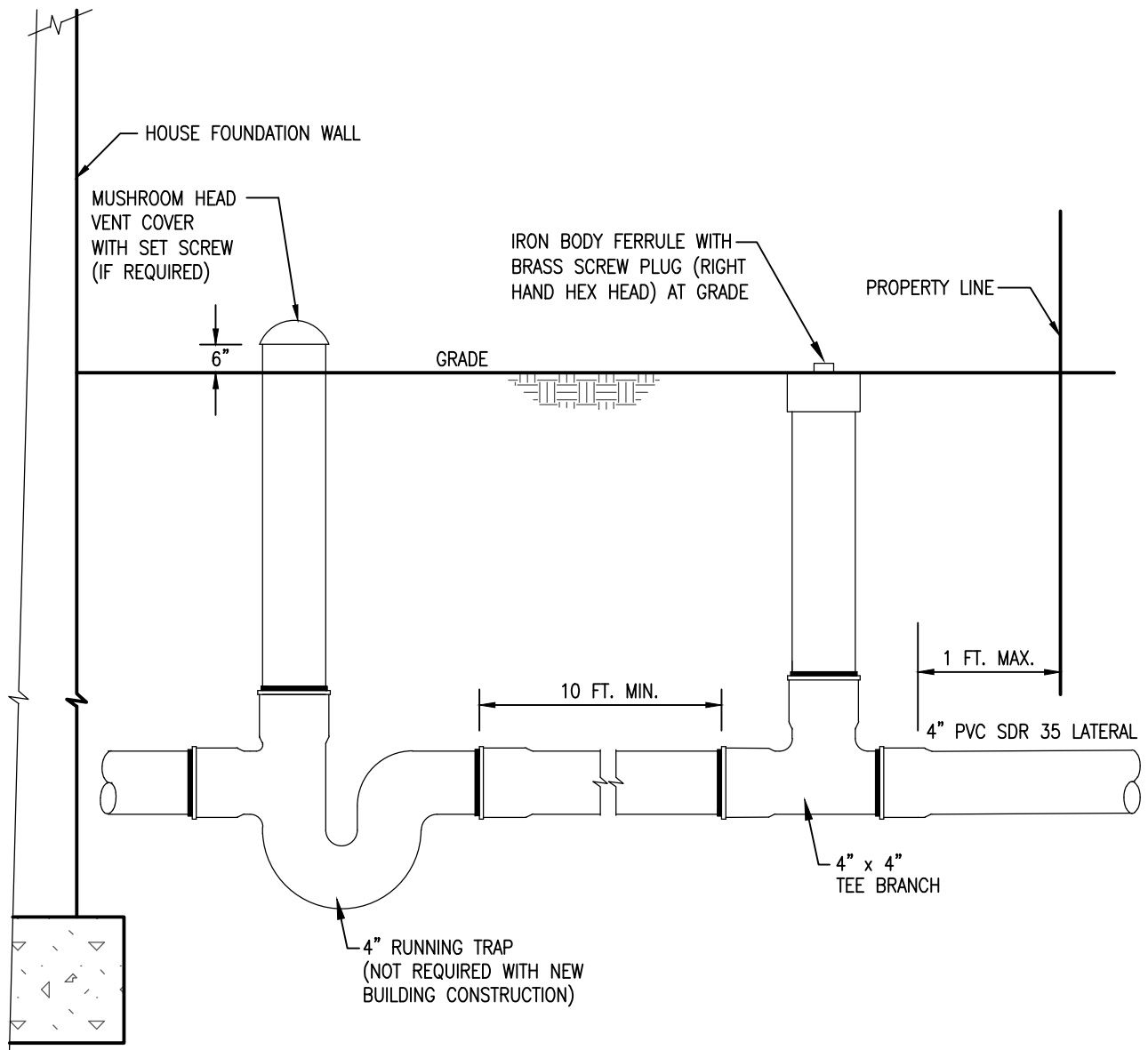
- All industrial facilities must complete and file a Sanitary Sewage Discharge Questionnaire with the permit application.

- 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 reviewed and approved by the Township Engineer. The capacity of each grease trap shall be determined by the Township Engineer.

- 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 approved by the Township Engineer.

- All industrial facilities shall install a sampling manhole, immediately adjacent to the right-of-way line, as required by the Township Engineer.

CONSTRUCTION DETAILS



**TYPICAL SERVICE CONNECTION AT
BUILDING FOR PVC LATERAL**

N.T.S.

NOTE:

1. LOCATE CLEANOUTS AND VENTS IN UNPAVED AREAS.

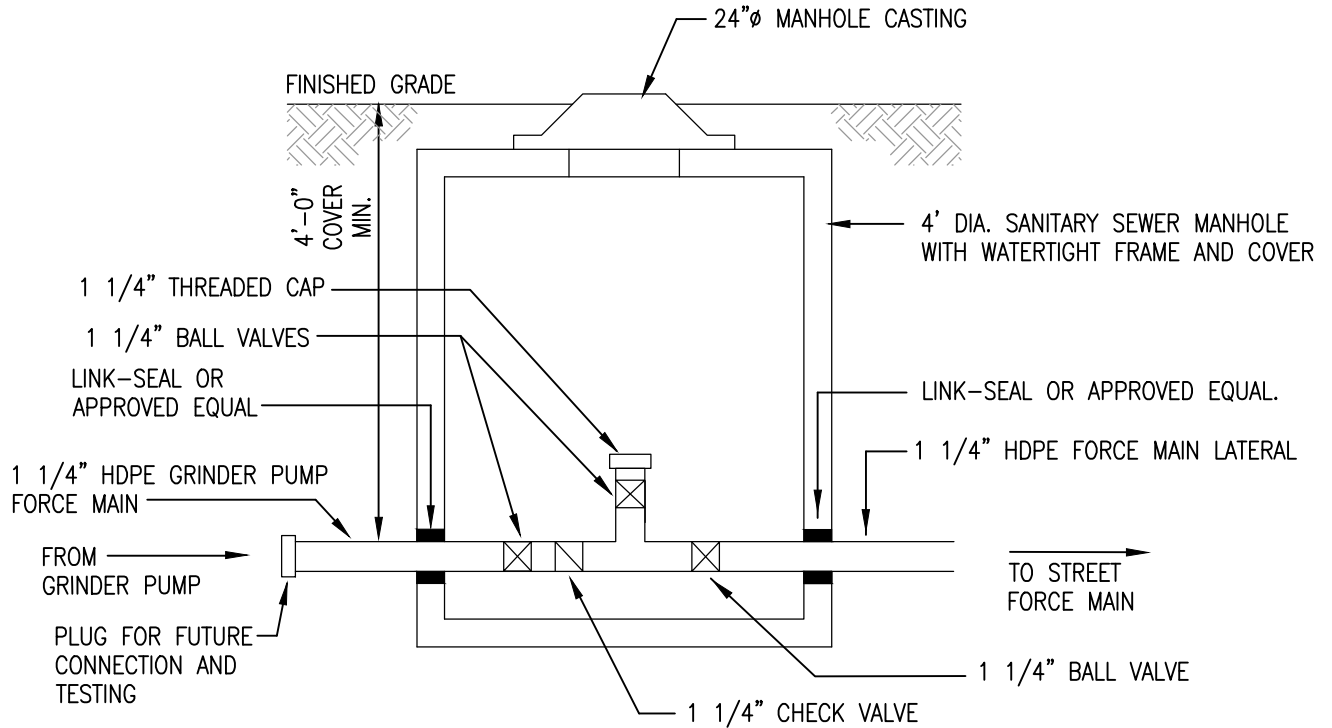
WORCESTER TOWNSHIP
REF. NO. 7200-51

	CKS	4259 W. Swamp Road Suite 410 Doylestown, PA 18902
	ENGINEERS	www.cksengineers.com 215.340.0600
	AN ARRO CONSULTING COMPANY	

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REV. 10/2024

DETAIL SS1



NOTES:

1. LOCATE IN UNPAVED AREA WITHIN PUBLIC RIGHT-OF-WAY.
2. PIPING INSIDE CONNECTION PIT SHALL BE HDPE OR SCHEDULE 80 PVC.
3. PIPE SIZE TO BE DETERMINED BY WORCESTER TOWNSHIP BASED ON FLOW.

LPSS CONNECTION PIT
RESIDENTIAL GRINDER PUMP

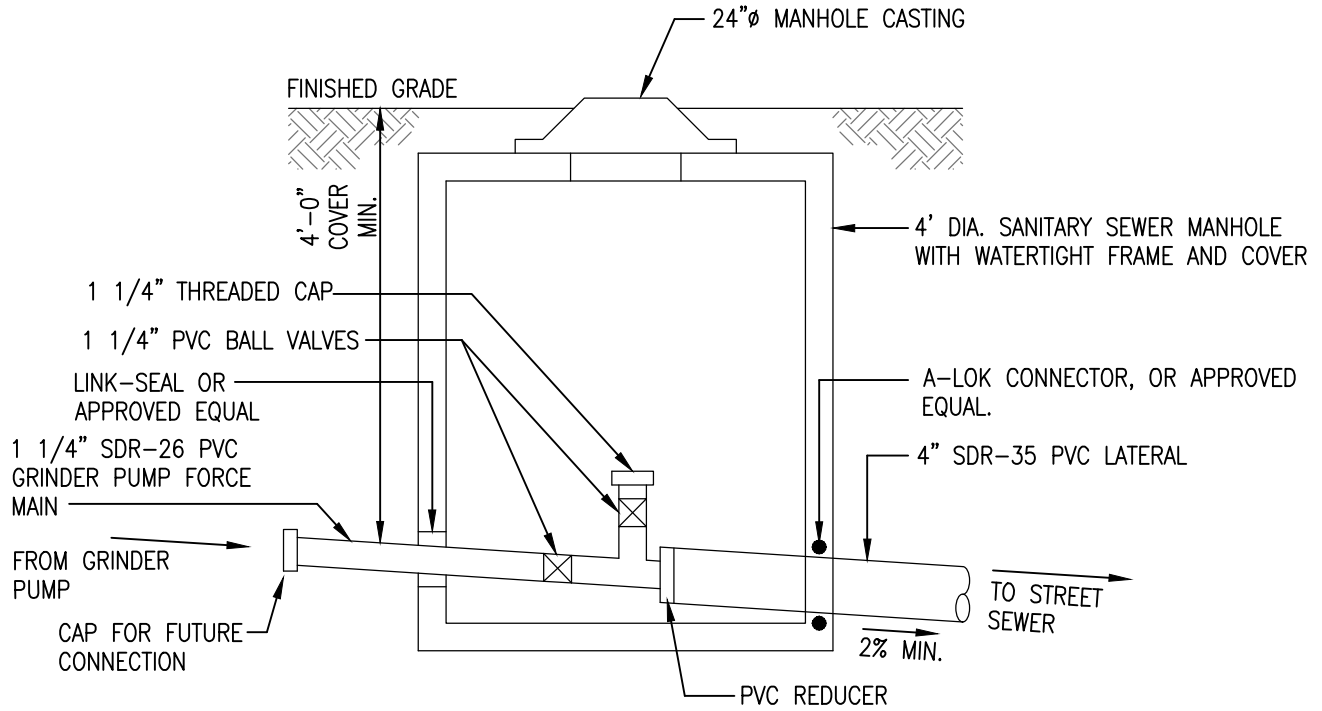
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WORCESTER TOWNSHIP
REF. NO. 7200-51

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DETAIL SS2



NOTES:

1. LOCATE IN UNPAVED AREA WITHIN PUBLIC RIGHT-OF-WAY.
2. PIPING INSIDE CONNECTION PIT SHALL BE HDPE OR SCHEDULE 80 PVC.
3. PIPE SIZE TO BE DETERMINED BY WORCESTER TOWNSHIP BASED ON FLOW.

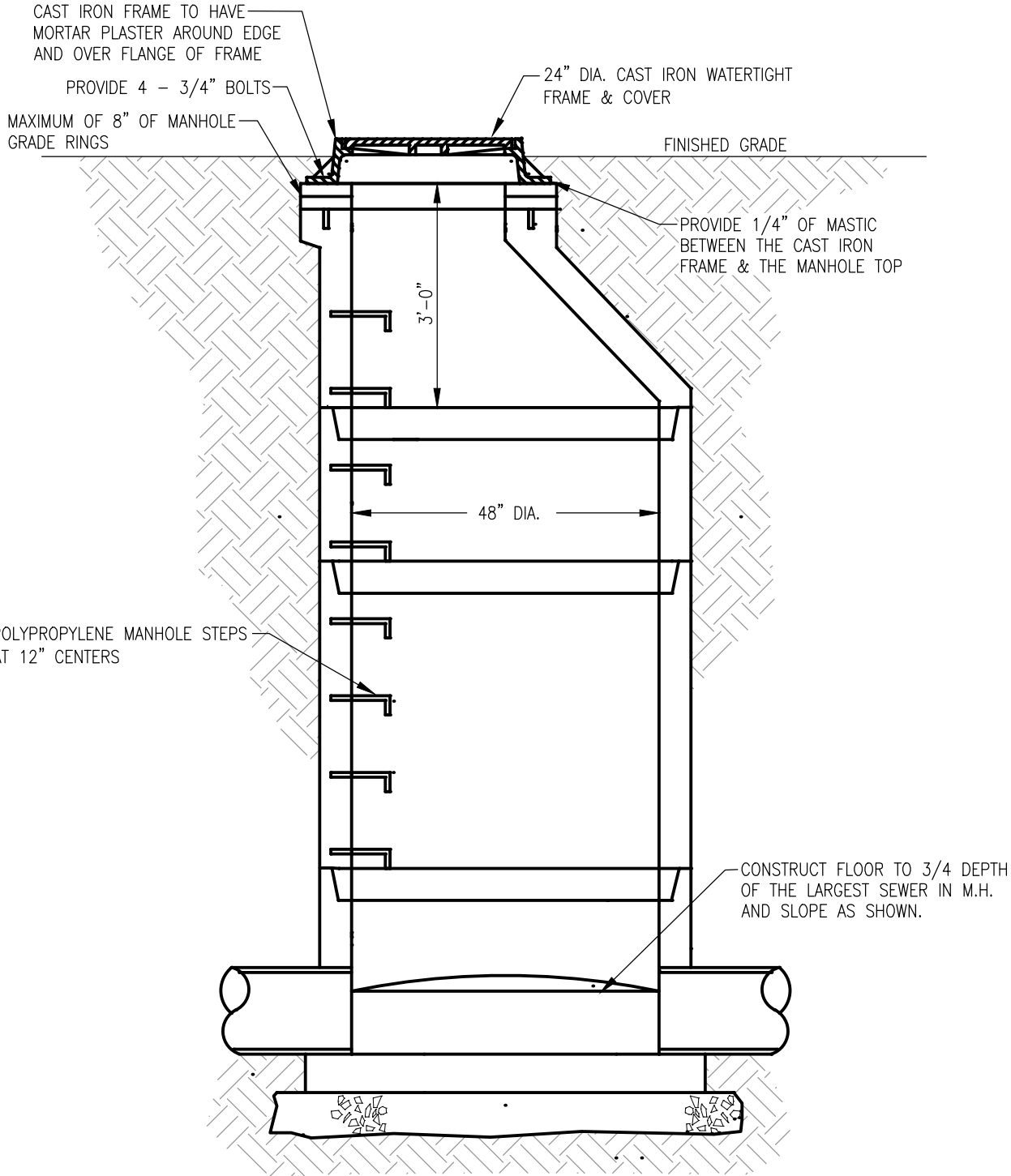
CONNECTION PIT
RESIDENTIAL FORCE MAIN TO GRAVITY LATERAL CONNECTION
 N.T.S.

WORCESTER TOWNSHIP
 REF. NO. 7200-51

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	WORCESTER TOWNSHIP REF. NO. 7200-51	

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DETAIL SS3



SANITARY SEWER SAMPLING MANHOLE DETAIL

N.T.S.

NOTES:

- 1.) MANHOLE CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE WORCESTER TOWNSHIP ORDINANCES.
- 2.) FINAL LOCATION OF SAMPLING MANHOLE TO BE DETERMINED IN FIELD BY WORCESTER TOWNSHIP.
- 3.) WHERE MANHOLE DEPTH FROM FINISHED GRADE TO INVERT IS LESS THAN 5 FT., A FLAT REINFORCED CONCRETE TOP WITH ECCENTRIC OPENING SHALL BE USED.

WORCESTER TOWNSHIP
REF. NO. 7200-51

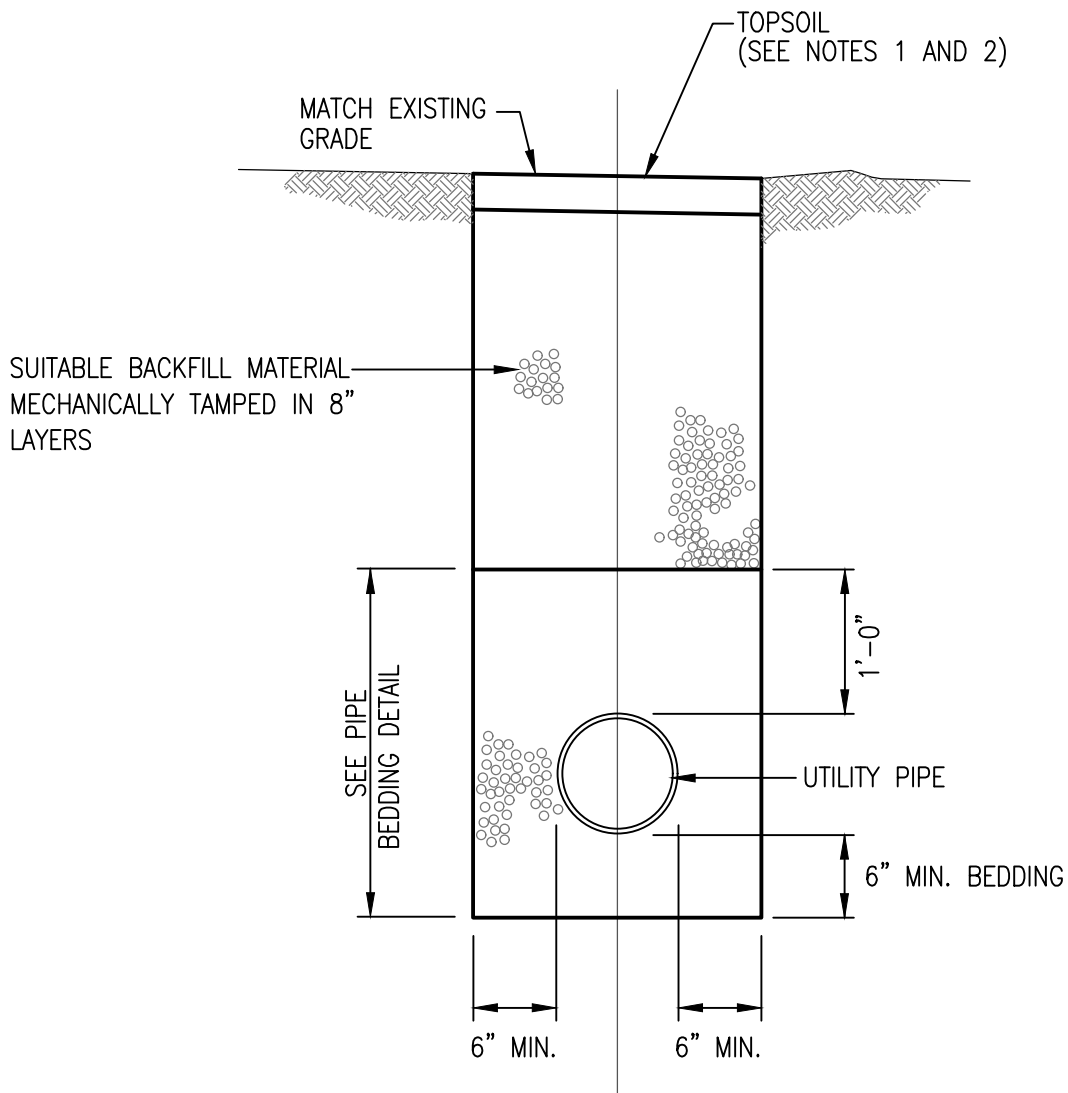


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DETAIL SS4



NOTES:

1. THE TOP 6" OF ALL TRENCHES IN NON-WETLAND AREAS SHALL BE BACKFILLED WITH TOPSOIL AND RESTORED IN ACCORDANCE WITH TOWNSHIP ORDINANCES.
2. THE TOP 18" OF ALL TRENCHES IN WETLANDS SHALL BE BACKFILLED WITH PREVIOUSLY STRIPPED TOPSOIL AND RESTORED IN ACCORDANCE WITH TOWNSHIP ORDINANCES.

TRENCH RESTORATION FOR EASEMENTS

N.T.S.

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DETAIL TR1

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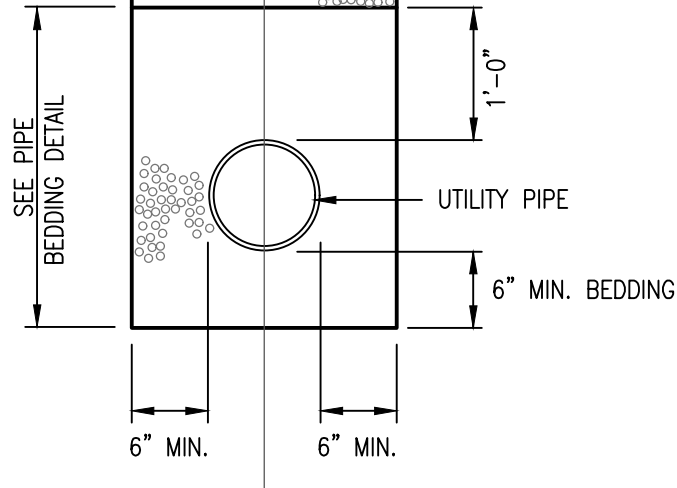
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Doylestown, PA 18902
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215.340.0600

SUPERPAVE 19.0 mm
BINDER COURSE

12" WIDE PG 64-22
EACH SIDE

2" MIN.

2A MATERIAL (TOWNSHIP),
2RC OR COARSE AGGREGATE
MATERIAL (STATE),
AS REQUIRED BY PERMIT,
MECHANICALLY TAMPED
IN 8" LAYERS



NOTES:

1. SPECIAL CONDITIONS OF OCCUPANCY OR ROAD OPENING PERMIT
MAY SUPERSEDE DETAIL.
2. CONTRACTOR TO MAINTAIN TEMPORARY PAVING.

TEMPORARY PAVEMENT AND TRENCH RESTORATION
FOR TOWNSHIP ROADS AND STATE HIGHWAYS

N.T.S.

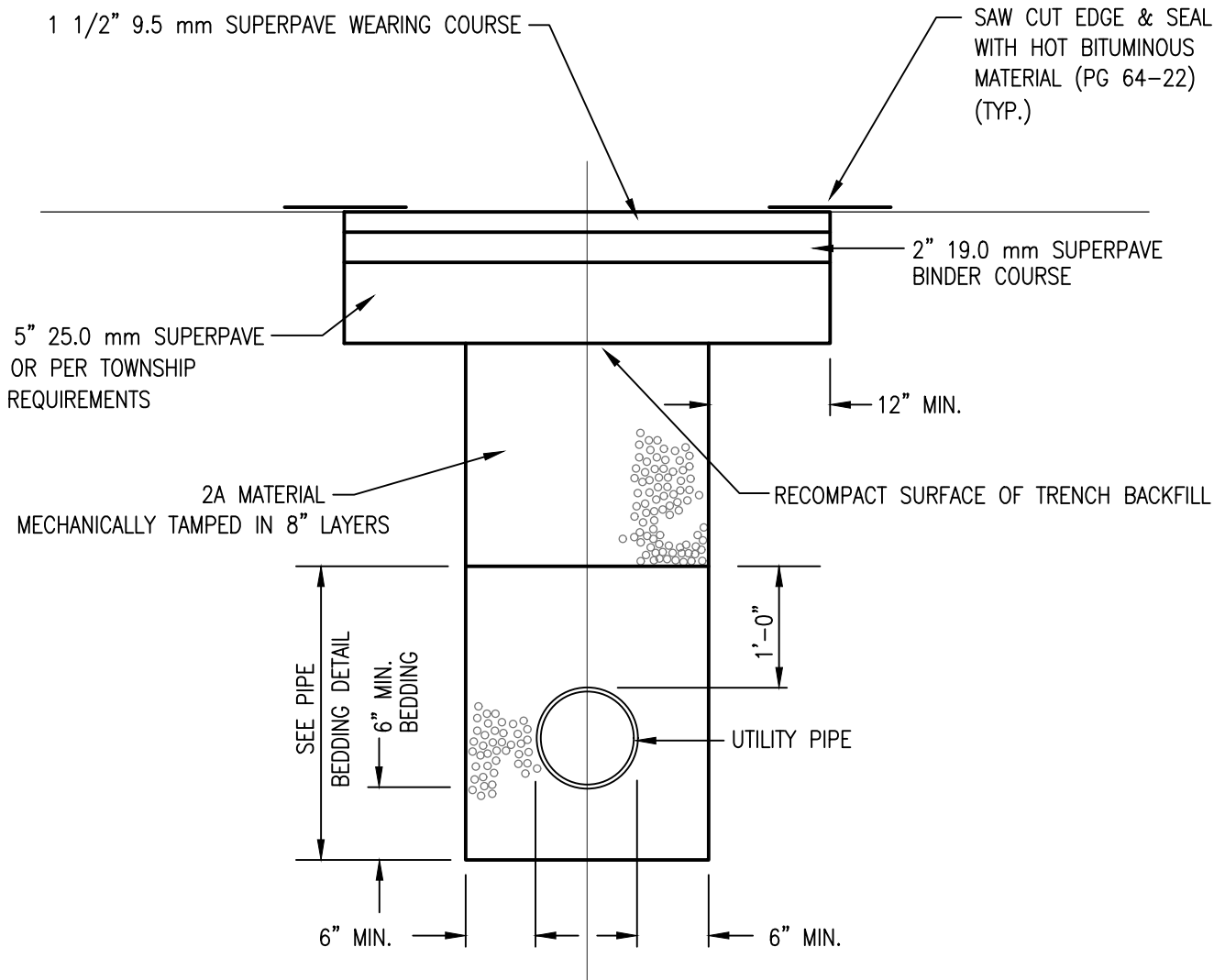
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DETAIL TR2



NOTES:

1. SPECIAL CONDITIONS OF ROAD OPENING PERMIT MAY SUPERSEDE THIS DETAIL.
2. RETAINED SUITABLE MATERIAL MAY BE USED AS BACKFILL FOR TRENCHES IN TOWNSHIP ROAD R.O.W. WHEN MORE THAN 3 FT. FROM EXISTING SHOULDER OR PAVED CARTWAY. RETAINED SUITABLE MATERIAL MAY BE USED AS BACKFILL FOR NEW ROADWAY CONSTRUCTION. COMPACTION REQUIREMENTS STILL APPLY.

PERMANENT PAVEMENT TRENCH RESTORATION
FOR TOWNSHIP ROADS

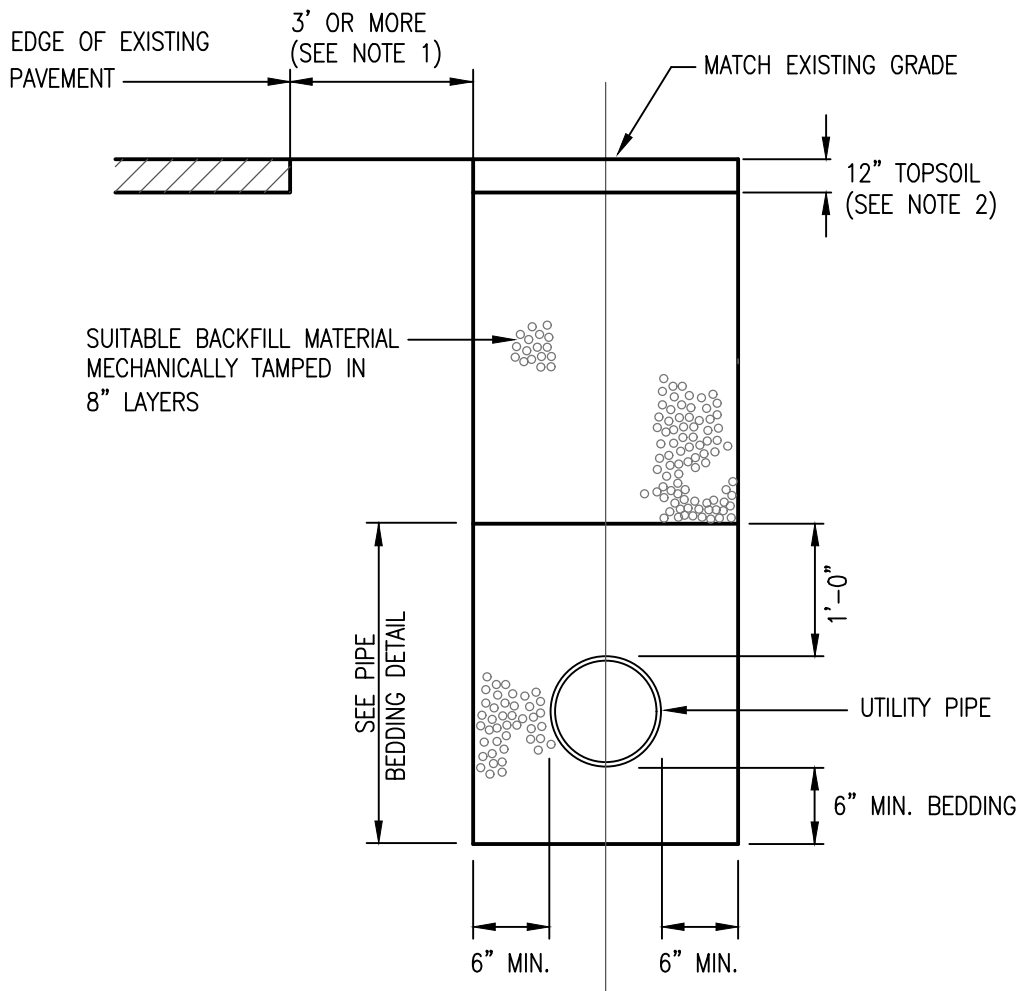
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DETAIL TR3



NOTES:

1. TRENCH OPENINGS LESS THAN 3' FROM THE EDGE OF AN EXISTING PAVED SURFACE SHALL BE BACKFILLED WITH 2A COARSE AGGREGATE MECHANICALLY TAMPED IN 8" LAYERS.
2. SURFACE RESTORATION SHALL BE IN ACCORDANCE WITH TOWNSHIP ORDINANCES.

**TRENCH RESTORATION FOR UNPAVED AREAS
WITHIN TOWNSHIP ROAD RIGHT-OF-WAY**

N.T.S.

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DETAIL TR4