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## PROCEDURE AND SPECIFICATIONS FOR SANITARY SEWER CONNECTIONS IN THE VILLAGE OF LORDSTOWN, OHIO

1. Prior to applying for a connection permit from the Village of Lordstown Board of Trustees of Public Affairs (BPA) a plumbing inspection must be conducted by Trumbull County Health Department. Contact Robert O'Connell at (330) 675-7814 to schedule an inspection.
2. Any Contractor and/or homeowner that installs a lateral without first obtaining a permit from the Village of Lordstown will be fined \$150.00 for a first offense. Thereafter, the Contractor will not be permitted to do installations in the Village for a period of one (1) year.
3. The following shall be provided at the time of application for connection to the sanitary sewer:
  - a. Completed application, including fee
  - b. Evidence of Contractor/Installer's liability insurance and bonding
  - c. Any permits or bonds required by the Village Streets Department for road opening shall be obtained
  - d. Copy of the Trumbull County Health Department's approval to make the sanitary sewer connection.
4. Applicant to contact Cindy Slusarczyk at 330-824-2481 48 hours in advance of beginning work in order to schedule inspection.
  - a. Any home with a grinder pump station is required to have the pump station tested by the Contractor during this initial inspection.
  - b. No connection is permitted to the City sewer unless discharge is only sanitary wastewater. No sump pumps that collect any source of clean water will be permitted to discharge to the sanitary sewer system. Owner must correct any improper connection of downspouts, footer drain, storm water or any clean water connection before we can permit the tie-in.
  - c. Inspection should generally be spot checks for pipe material, bedding and test tee. Unusual circumstances or delay requiring excessive inspection time shall be accurately documented for our records.
  - d. Inspector should be on-site for physical hook-up to the lateral or mainline.
  - e. A copy of the lateral inspection record with date of connection shall be provided to the BPA.
  - f. **The homeowner will be assessed an additional \$100.00 by the BPA for each reinspection required by the City of Warren.**
  - g. No septic tank shall be abandoned until the lateral connection is made and approved by the Inspector.
5. It shall be the Contractor/Installer's responsibility to contact the Ohio Utilities Protection Service (OUPS) at 1-800-362-2764 a minimum of two working days in advance of work in order to have underground utilities marked in the field. Contractor/Installer must comply with any utility company's conditions for work near their utility.
6. Contractor/Installer shall verify that the septic tank contents are properly removed from the site by a licensed hauler and that the tank is abandoned in accordance with the Trumbull County

Health Department specifications. All actions will be documented and provided to the Trumbull County Health District on the proper form.

7. If a property does not have an existing connection to the sewer main, additional fees and procedures may be necessary. In this situation, check with the BPA Clerk.

Specifications

1. Lateral pipe and fittings shall be 6” minimum PVC for gravity flow.
2. Force main connections shall be minimum of two (2) inch diameter.
3. Acceptable PVC materials include the following:

	<u>Pipe Spec</u>	<u>Joint Spec</u>	<u>Installation</u>
Gravity Pipe (minimum SDR 35)	ASTM D-3034 ASTM F-949 ASTM F-794	ASTM D-3212	ASTM D-2321
Force Main (minimum SDR 26)	ASTM D-2241	ASTM D-3139	ASTM D-2321

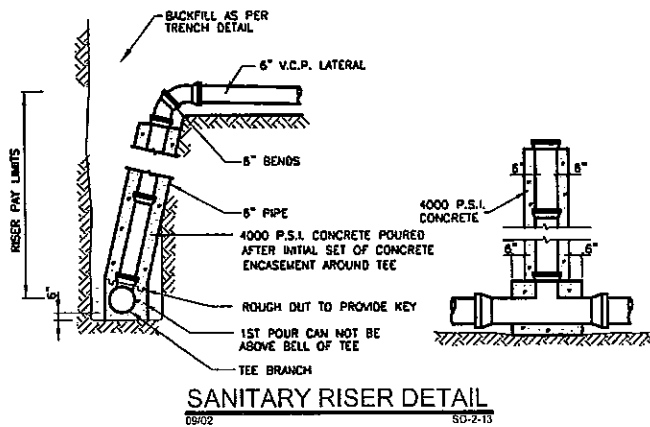
4. All pipe shall have a minimum cover of four (4) feet.
5. Pipe shall be laid a minimum grade of 1.00%.
6. Pipe shall be bedded on six inches of #57 limestone or “open hearth” surrounded by #57 limestone or “open hearth” and have six inches of #57 limestone or “open hearth” cover over the pipe. Trench width shall be a minimum of eighteen inches.
7. A wye with riser shall be installed at the building foundation. The riser shall be brought to within six inches of the finished grade. The riser shall have a steel bolt imbedded in the cap if installed in pavement. Backfill of the trench within the right-of-way shall be premium backfill consisting of ODOT 304 limestone compacted to 100% of maximum dry density per AASHTO T99. Remaining backfill on private property can be excavated material. Owners with laterals that will exceed 250 feet in total length are recommended to install a second cleanout.
8. Connections to the existing pipe or wye shall be made using flexible watertight couplings such as Fernco or Mission couplings.
9. For homeowners with clay or cast iron pipe coming out of the house, the “pickup point” for the lateral shall be within 5’ of the building foundation. Any homeowner not able to meet this requirement shall request a variance from the BPA. For homeowners with PVC pipe the “pickup point” shall be between the foundation and the septic tank.
10. Connections into sewer main where no wye exists shall be done by cutting out a section of the main and installing a new wye connected to the existing main using short pieces of pipe and flexible water tight couplings. Inserta tee fittings may be used on sewer main larger than 15 inches in diameter. This entire area shall be backfilled with #57 limestone or “open hearth” to a point up to twelve inches above the sewer main pipe.
11. For lateral connections to a pump station, the Contractor shall avoid making connections into the wet well at locations where the inflow could interfere with the pump floats. All lateral inlets shall be installed through an “Adapta-Flex” grommet to ensure a proper seal.
12. Leakage shall not exceed 100 gallons per inch of pipe diameter per mile per day at a minimum

positive head of two feet. This limit equates to 3-3/4 inch drop in a 6 inch diameter riser for 100 feet of 6 inch lateral pipe in one hour.

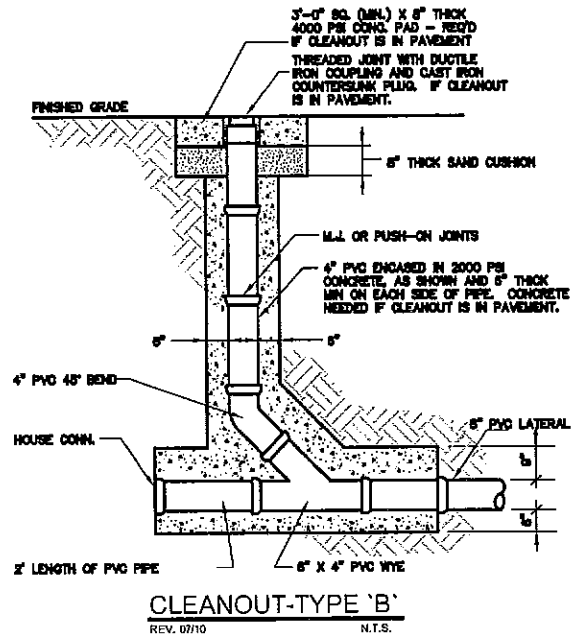
13. The disturbed areas within the right-of-way shall be restored with seeding or sodding within thirty days of the connection installation.
14. Any ditches which are disturbed by the work shall be restored to their original shape. Sodding shall be placed along the entire length of the ditch bottom and extend to 12 inches above the invert.
15. All installations shall be inspected and approved prior to the placement of the trench backfill. Final approval shall be contingent on testing and inspections after placement of the backfill.
16. The applicant and/or property owner shall comply with all terms and conditions contained on the application for the sanitary sewer connection permit.

The following pages include standard details for:

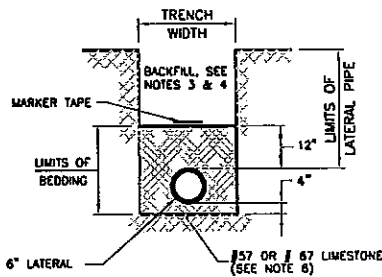
- a. Type "C" Pavement Replacement
- b. 6" Lateral Trench Bedding
- c. Field Tee Connection
- d. Sewer Lateral Detail
- e. Sanitary Riser Detail
- f. Cleanout – Type "B" – Revised July 2010



**SANITARY RISER DETAIL**  
09/02 SD-2-13



**CLEANOUT-TYPE 'B'**  
REV. 07/10 N.T.S.



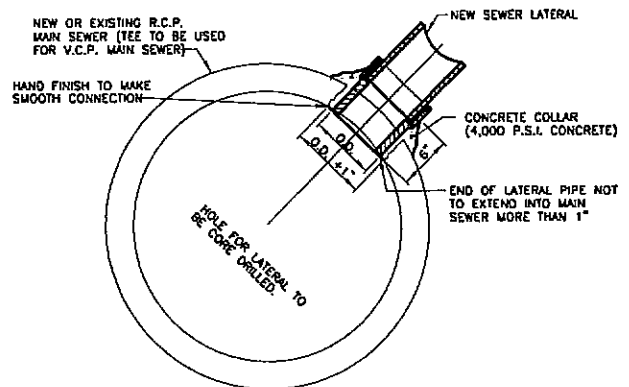
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**NOTES:**

1. ALL TRENCH EXCAVATION SHALL CONFORM TO THE RULES AND REGULATIONS OF THE OHIO STATE INDUSTRIAL COMMISSION (OSIC) AND THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).
2. NO FLOODING, JETTING, OR PUDDLING OF BACKFILL WILL BE PERMITTED. BACKFILL SHALL BE TAMPED WITH MACHING-MOUNTED TAMPING APPARATUS IN ACCORDANCE WITH ASTM D698. BACKFILL SHALL BE COMPACTED TO 100% OF MAXIMUM LABORATORY DRY DENSITY PER 02234 (COMPACTED BACKFILL) AND/OR 02235 (COMPACTED GRANULAR BACKFILL).
3. BACKFILL FOR SANITARY LATERALS THAT CROSS THE ROADWAY SHALL BE BACKFILLED AND COMPACTED WITH ON-SITE SOIL TO WITHIN THIRTY-TWO (32) INCHES OR MORE DEPENDING ON EXISTING PAVEMENT THICKNESS OF FINISH GRADE. THE REMAINING TOP PORTION OF THE TRENCH SHALL BE BACKFILLED AND PAVED AS SHOWN IN THE DETAIL FOR TYPE "C" PAVEMENT REPLACEMENT ON THIS SHEET.

BACKFILL FOR SANITARY LATERALS NOT CROSSING BELOW PAVEMENT SHALL BE BACKFILLED AND COMPACTED WITH ON-SITE SOIL COMPLETELY, AND SHALL BE SEEDED AND MULCHED AS PER ODOT 659 "SEEDING AND MULCHING."

4. PAVEMENT RESTORATION - THE TRENCH SHALL BE PLANED AS TO PERMIT TRENCH PAVEMENT RESTORATION IN THE FORM OF "TYPE C PAVEMENT REPLACEMENT."
5. UNDER NO CIRCUMSTANCES SHALL SLAG BEDDING BE USED.
6. POLYETHYLENE MARKER TAPE SHALL BE 4-INCH, GREEN IN COLOR, AND MARKED "SEWAGE SERVICE LATERAL."

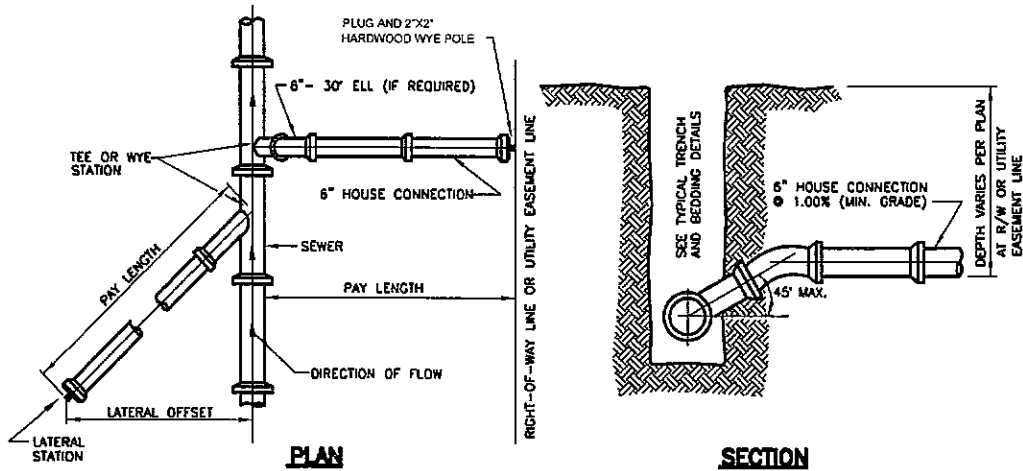


**FIELD TEE CONNECTION**  
1/09 SD-2-15

**STANDARD DETAILS FOR VILLAGE OF LORDSTOWN SANITARY LATERAL CONNECTIONS**

CONTRACT NO. 10127	VILLAGE OF LORDSTOWN - BPA EASTSIDE SANITARY SEWERS LATERAL CONNECTION DETAILS MARCH 2010 - REV. JULY 2010	DATE 07/14/10	SCALE N.T.S.	DRAWING 1 OF 2
<b>CT Consultants</b> engineers   architects   planners				

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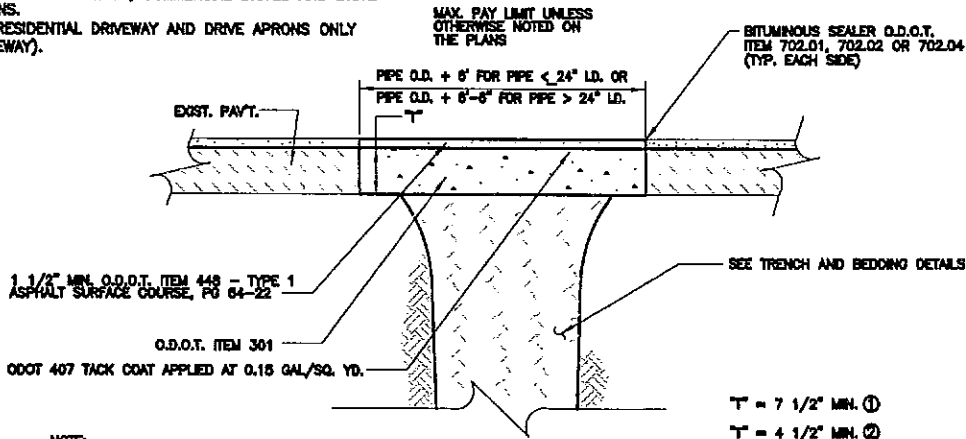


**SEWER LATERAL DETAIL**

1/89 SD-2-12

**NOTES:**

- ① FOR PUBLIC ROADWAYS, COMMERCIAL DRIVES AND DRIVE APRONS.
- ② FOR RESIDENTIAL DRIVEWAY AND DRIVE APRONS ONLY (DRIVEWAY).



**NOTE:**

- 1) EXISTING SUBBASE MATERIAL (IF ANY) SHALL BE REPLACED, AS DIRECTED BY ENGINEER.


T = 7 1/2" MIN. ①  
T = 4 1/2" MIN. ②

IN NO CASE SHALL THE THICKNESS OF THE OVERLAY AND/OR T BE LESS THAN EXISTING.

**TYPE C PAVEMENT REPLACEMENT**

7/08 SD-5-3

**STANDARD DETAILS FOR VILLAGE OF LORDSTOWN SANITARY LATERAL CONNECTIONS**

 <b>CT Consultants</b> engineers   architects   planners	CONTRACT NO. 10127	VILLAGE OF LORDSTOWN - BPA <b>EASTSIDE SANITARY SEWERS          LATERAL CONNECTION DETAILS</b> MARCH 2010	DATE 03/17/10	SCALE N.T.S.	DRAWING 2 OF 2
	STANDARD DETAILS FOR VILLAGE OF LORDSTOWN SANITARY LATERAL CONNECTIONS				

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