

**MUNICIPAL AUTHORITY OF THE TOWNSHIP OF SOUTH FAYETTE  
BASIC DESIGN AND CONSTRUCTION PARAMETERS  
PUNCLIST**

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**Before You Dig – Pennsylvania Act 187, Underground Utility Line Protection Law of 1996  
Requires You Call Pennsylvania One Call 1-800-242-1776**

- \_\_\_\_\_ 1. All sewers must be designed with straight-line horizontal and vertical alignment.
- \_\_\_\_\_ 2. All construction of sewers shall be with laser grade control.
- \_\_\_\_\_ 3. Where possible, lateral services shall be minimized which cross the traveled cartway.
- \_\_\_\_\_ 4. The contractor shall be required to have all utilities marked prior to the start of construction.
- \_\_\_\_\_ 5. Sewers shall not be constructed with finished grade cover exceeding 15 feet in depth unless specifically authorized by the Authority. Where deemed necessary, SDR-26 or approved equal will be required for the entire manhole to manhole segment. Ductile Iron pipe must be utilized in areas with pipe slope between manholes exceeding 30%.
- \_\_\_\_\_ 6. Minimum cover over top the pipe shall be 4 feet in unpaved areas and 5 feet in paved areas.
- \_\_\_\_\_ 7. All materials proposed to be utilized for construction of any Authority facilities are required to be approved for use. *Reference Appendix A Part I, Item 8 for details.*
- \_\_\_\_\_ 8. The Contractor or Developer shall to the Authority provide one (1) set of blue prints, and a disk containing record drawings of as-built conditions in a digital form satisfactory to MATSF that can be easily integrated into the Authority's GIS. *Reference Appendix A Part I, Item 10 for details.*
- \_\_\_\_\_ 9. No blasting is to be performed without written request and approval of the South Fayette Township and Municipal Authority of the Township of South Fayette, it's Engineers or any other regulating agency of jurisdiction. *Reference Appendix A Part II, Item 6 for construction details and specifications.*
- \_\_\_\_\_ 10. Standard marking tape, magnetically detectable with conventional location equipment, shall be installed at a depth of two (2) feet above the pipe along the alignment of all sewer lines, including sewer services. *Reference Appendix A Part II, Item 13 for construction details and specifications.*

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**PUNCHLIST (Continued)**

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- \_\_\_\_\_ 11. The exterior of manholes shall be sealed with a bitumastic compound such as a foundation sealer or other material suitable for this application per the requirements of the PaDEP. All manhole joints, including frame and cover, shall be equipped Con-Seal or approved equal, and shall be wrapped with WrapidSeal encapsulation system or approved equal. *Reference Appendix A Part III, Item 4B for construction details and specifications.*
  
- \_\_\_\_\_ 12. Connection into existing manholes shall be established by core drilling and installation of watertight rubber boot or link seal. *Reference Appendix A Part III, Item 4, O for details.*
  
- \_\_\_\_\_ 13. Typically only one (1) interior drop connection per manhole shall be permitted. *Reference Appendix A Part III, Item 5 for construction details and specifications.*
  
- \_\_\_\_\_ 14. Typical drop connections shall be of the inside drop type. Where specifically approved by the Authority Engineer, outside drops must conform to *Appendix A Part III, Item 5 for construction details and specifications.*
  
- \_\_\_\_\_ 15. All gravity sewer pipes shall be low-pressure air tested before acceptance of the line. *Reference Appendix A Part IV, Item 1 for construction details and specifications.*
  
- \_\_\_\_\_ 16. All force mains shall be tested hydrostatically for leakage after installation is completed. *Reference Appendix A Part IV, Item 2 for construction details and specifications.*
  
- \_\_\_\_\_ 17. Each manhole shall be subject to vacuum testing for water tightness. *Reference Appendix A Part IV, Item 3 for construction details and specifications.*
  
- \_\_\_\_\_ 18. Prior to acceptance of the sewers by the Authority, sewer sections shall be visually inspected by means of closed-circuit television. *Reference Appendix A Part IV, Item 4 for details and specifications*
  
- \_\_\_\_\_ 19. Generally television inspection and mandrel test should be conducted simultaneously 30 days or more after installation of the pipe. *Reference Appendix A Part IV, Item 4 for details and specifications.*

***This Punchlist of Basic Design and Construction Parameters is intended to identify general design and construction practices required by the Municipal Authority of the Township of South Fayette. It should be noted that this list is not inclusive and that the Rules and Regulations, and Specifications for the Construction of Sanitary Sewer Lines and Appurtenances should be consulted to ensure that construction of such facilities are in accordance with the prevailing requirements of the Municipal Authority of the Township of South Fayette.***