

**WHEN CONSTRUCTING A PRIVATE SERVICE LATERAL THE
FOLLOWING PROCEDURES AND REQUIREMENTS SHALL PREVAIL:**

Evidence of prior subdivision approval shall be provided to the Authority.

All lot owners shall assume responsibility of checking sewer system location and elevation requirements, for gravity service, before initiating construction.

A sewer application and permit shall be obtained prior to issuance of a Township Building Permit.

If required, State Highway Occupancy Permit shall be applied for by and in the name of Cumberland-Franklin Joint Municipal Authority. All lot owners shall be required to sign an agreement legally binding them to all provisions of Pennsylvania Department of Transportation Chapter 459 Relating to utility installations.

If there is evidence, through prior construction, that rock may be encountered, a Blasting Bond and 2-year Maintenance Bond naming Cumberland-Franklin Joint Municipal Authority as Principle will be required in an amount as determined by the Pennsylvania Department of Transportation. (State highway crossing only)

All contractors working under Cumberland-Franklin Joint Municipal Authority's Highway Occupancy Permit shall provide a Certificate of Insurance naming the Cumberland-Franklin Joint Municipal Authority as Certificate Holder and shall have the Authority's minimum insurance requirements.

All contractors constructing a building sewer and any additions to the sewer system shall have a plumbing license from Cumberland-Franklin Joint Municipal Authority.

Before the private service lateral is physically connected to the existing Cumberland-Franklin Joint Municipal Authority sewer system, the prevailing Tapping, Connection, Customer Facilities and Inspection Fees must be paid to C.F.J.M.A.

These requirements are in addition to the Regulations and Specifications Governing the Construction of Sanitary Sewer Extensions and Sanitary Sewer Service Lines in Southampton Township and Orrstown Borough, Franklin County and Southampton and Shippensburg Townships, Cumberland County, Pennsylvania. Adopted April 1976, revised July 1982, Revised January 1985, Revised November 1991.

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TAPPING FEES:

Letterkenny Project / Pre existing	\$1,800.00 / EDU
Letterkenny Project / New construction	\$3,300.00 / EDU
Locust Street Meter District	\$3,800.00 / EDU
All other areas	\$3,300.00 / EDU

CONNECTION FEE\$175.00

CUSTOMER FACILITIES FEE\$25.00

**PART III
RULES AND REGULATIONS
SANITARY SEWER SERVICE LINES
CUMBERLAND-FRANKLIN JOINT MUNICIPAL AUTHORITY
CUMBERLAND & FRANKLIN COUNTIES, PENNSYLVANIA**

A. GENERAL

These Rules and Regulations are intended to regulate and govern the installation and/or repair or alteration of sanitary sewer service lines requiring under existing and/or future Ordinances or Resolutions of (Cumberland-Franklin Joint Municipal Authority and/or Southampton Township and Orrstown Borough, Franklin County, and Southampton and Shippensburg Townships, Cumberland County, Pennsylvania) the “Municipalities”. Where these Rules and Regulations may from time to time conflict with Ordinances of the Municipalities, the Rules and Regulations of Cumberland-Franklin Joint Municipal Authority shall govern. For any situation not governed or covered by Ordinances of the Municipalities or by these Rules and Regulations or where amplification thereof is required, the procedures set forth in appropriate specifications of the A.S.T.M. and W.P.C.F. Manual of Practice No. 9 shall apply.

B. PERMITS

1. Any person required or desiring to connect to an existing or proposed sanitary sewer system owned and operated by the Cumberland-Franklin Joint Municipal Authority (the “Authority”), shall first secure an application and permit from the Authority.
2. Any person desiring to repair and/or alter an existing sanitary sewer service lateral shall be required to present a detailed plan of the repair and / or alteration to the Authority for its approval. No service lateral repair or alteration shall be backfilled until inspected by the Authority or its representative. No permit will be required, only a presentation of the plan and inspection by the Authority.

Applications and Permits shall be of four (4) types:

- a. Single Unit Domestic Dwelling
- b. Multiple Unit Domestic Dwelling
- c. Non-Domestic Establishment
- d. Mobile Home Park

C. FEES

No permit to connect to the sewer system shall be issued until the applicant has paid in full all related fees and other charges including, but not limited to, Reserved Capacity, Tapping, Connection, Customer Facilities Fees and the Main Line Inspection Fee.

D. PIPE SIZE

All “Building Sewers”, as defined herein, shall be adequately sized to be able to convey the intended hydraulic flow. In no instance shall the pipe be less than four (4) inches in inside diameter.

E. MATERIALS

All “Building Sewers”, as defined herein, pipes shall be of any of the following types of materials:

1. Cast Iron Pipe- All pipe of this type shall conform to the following specifications and/or latest revisions thereto:
 - a. Federal Specifications- WW-P-421b
 - b. U.S.A.S.I.- A21.2, A21.6, A21.8, A21.4, A21.10, A21.11
2. Ductile Iron Pipe- All pipes of this type shall conform to the following specifications and/or latest revision thereto:
 - a. U.S.A.I. – A21.51, A21.50
 - b. A.S.T.M. – A536
3. ABS Composite Gravity Sewer Pipe (ABS Truss Pipe) – All pipe of this type shall conform to the following specifications and/or latest revision thereto:
 - a. A.S.T.M. – D2661
 - b. A.B.S.- D.W.V.- P.V.C.D.W.V. Schedule 40 pipe with chemically welded fittings and joints- All pipe of this type shall conform to the following specifications and/or latest revision thereto:
 - (1.) A.S.T.M. – D2661
 - (2.) Commercial Standard – CS270-65
4. Polyvinyl Chloride (PVC Gravity Sewer Pipe) – All pipe of this type shall conform to the following specifications and / or the latest revision thereto:
 - a. A.S.T.M. – D3034 SDR35 with compression type gasket joints or chemically welded fittings and joints.

F. INSTALLATION

All Building Sewer Lines, as defined herein, shall be installed in accordance with the following minimum requirements:

1. No building floor drain, sump pump, or any device permitting storm water table, or surface water to enter the sewer system shall be permitted.

2. All lines must be installed with the related couplings of the pipe material utilized excepting transitions to other pipe materials already in existence.
3. No lines shall be installed in unstable fill.
4. The minimum slope for four (4) inch lines shall be one-eighth inch fall per lineal foot. Larger lines may have a flatter slope when approved by the Authority's Engineer.
5. No line shall have a straight run of pipe in excess of seventy-five (75') lineal feet unless it be provided with a cleanout extending to ground level consisting of a 45-degree wye and ell.
6. No directional changes of more than 45-degrees will be permitted unless with a long radius fitting. All directional changes in excess of 45-degrees must be equipped with a cleanout extending to ground level
7. No line shall be installed with less than two (2) feet of cover unless special provisions are made that meet with the approval of the Authority's Engineer.
8. All lines immediately adjacent to building foundations shall be constructed in accordance with the following in order to protect against excessive forces caused by backfill and earth settlement.
 - a. Be constructed of service weight cast iron, ductile iron or schedule 40 pipe to a point at least five (5) feet outside the building foundation wall or;
 - b. Be constructed of other approved materials provided the pipe is suitably protected against forces caused by backfilling and earth settlement by blocking or concrete encasement for the entire length subjected to these forces.

In all installations the requirements and decisions of the Authority or their Representative(s) shall be final and binding.

9. Any line passing under driveways or other areas of potential heavy wheel loading must be constructed of service weight cast iron, ductile iron or schedule 40 pipe, protected by concrete encasement or backfilled and compacted by hand operated mechanical tamper, in six (6) inch layers, for the entire depth of the trench with Pennsylvania AASHTO #10 Aggregate.
10. All lines shall be bedded in and covered with Pennsylvania AASHTO #10 Aggregate (limestone dust). The bedding and cover shall surround the pipe at least four (4) inches.
11. No potable water service line may be installed in the same trench as a sewer service line unless separated by at least three (3) feet as measured in a horizontal plane.
12. Cleanout Tees & Wyes – Each building sewer shall be equipped with a four (4) inch cleanout tee at the adjacent property line where the main sewer line is located in a roadway bordering the property. If the main sewer line is located in a side or rear lot line

easement the cleanout tee shall be located as close as practical to the main sewer. A house trap must be located within a minimum of 5 ft. from the structure and must be a height of 18". (See diagram A-1 & A-2)

13. Small-Diameter, Variable Grade (SDVG) Sanitary Sewer Systems - Any person required or desiring to connect to CFJMA facilities in any area served, or proposed to be served by a SDVG sewer system will be subject to all applicable sections of these "Rules and Regulations" and to the CFJMA exhibits P-1 & P-2 (proposed), Q-1 & Q-2 (existing). All of the specifications required under Installation (F) apply with this system except the "Cleanout Tees & Wyes", as stated in the above #12. A cleanout must be placed 2' from the structure and 2' from the tank on the side closest to the structure and no line shall have a straight run of pipe in excess of seventy-five (75') lineal feet unless it be provided with a cleanout extending to ground level consisting of a 45-degree wye and ell. (See diagram B)
14. Sanitary Sewage Pumping Devices – Any sewage pumping device shall be constructed and installed in such a manner to preclude the introduction of any ground water or leakage of any fluid other than sanitary sewage into the building sewer. The bottom of any such sump, container, or wet well to house a pumping device shall be at least six (6) inches above the finished floor elevation of that portion of the structure in which it is located.
15. Interceptors and Separators
 - a. Interceptors – Interceptors (including grease, oil and sand interceptors, etc.) shall be provided when, in the opinion of the Authority, they are necessary for the proper handling of liquid wastes containing grease, flammable wastes, sand and other ingredients harmful to the building drainage system, the public sewer or sewage-treatment plant or processes.
 - b. Approval– The size, type, and location of each interceptor or separator shall be approved by the Authority and no wastes other than those requiring treatment or separation shall be discharged into any interceptor.
 - c. Grease Interceptor – No grease interceptor shall be hereinafter installed which does not comply, in all respects with the type or model approved by the Authority.
 - d. Oil Separators – An oil separator shall be installed in the drainage system or section of the system where, in the opinion of the Authority, a hazard exists or where oils or other flammables can be introduced or admitted into the drainage system by accident or otherwise.
 - e. Where Required – Oil separators shall be installed when required by the Authority and shall conform to requirements of Minimum Dimension.
 - f. Minimum Dimension – Oil separators shall have a length of not less than two (2) feet below the invert of the discharge drain.

- g. Motor Vehicle Storage – Interceptors shall have a capacity of six (6) cubic feet where not more than three (3) vehicles are serviced and one (1) cubic foot in net capacity shall be needed for each additional vehicle up to ten (10) vehicles. Where more than ten (10) vehicles are serviced and stored, the Authority shall determine the size of separator required.
- h. Motor Vehicle Servicing – Where storage facilities are not maintained, as in repair shops, the capacity of the separator shall be based on a net capacity of one (1) cubic foot for each 100 square feet of surface to be drained into the interceptor with a minimum capacity of six (6) cubic feet.
- i. Special Type Separators – Before installing any special type separator a drawing including all pertinent information shall be submitted for approval of the Authority Engineer, as being in accordance with this code.

G. PROHIBITED WASTES

1. No sewage shall be discharged into the Sewer System:
 - a. Having a temperature higher than 120 degrees F.
 - b. Containing more than 100 ppm by weight of fats, oils and grease.
 - c. Containing any gasoline, benzene, naphtha, fuel oil, or other inflammable or explosive liquids, solids, or gases.
 - d. Containing any garbage that has not been ground by household type or other suitable garbage grinders.
 - e. Containing any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, paunch manure, or any other solids or viscous substances capable of causing obstructions or other interferences with proper operation of the facilities.
 - f. Having a pH lower than 6.5 or higher than 9.0 or having any other corrosive property capable of causing damage or hazards to structures, equipment, or personnel.
 - g. Containing toxic or poisonous substances in sufficient quantity to injure or interfere with any wastewater treatment process, or constitute hazards to humans or animals, or to create any hazard in waters which receive treated effluent from the Borough facilities. Toxic wastes shall include, but not by way of limitation, wastes containing cyanide, chromium, cadmium, mercury, copper, and nickel ions.
 - h. Containing noxious or malodorous gases or substances capable of creating a public nuisance.
 - i. Containing solids of such character and quantity that special and unusual attention is required for their handling.

H. EXISTING SEWAGE DISPOSAL SYSTEM PIPING

All existing sewage disposal system piping shall be deemed not capable of meeting the requirements of the Authority, and therefore must be considered unusable unless proven acceptable by an Exfiltration Test, as provided herein. Unless existing piping is proven acceptable by test, all of the service connection from the building being served to the lateral (defined herein) connection terminum shall be of new piping meeting the requirements of these Rules and Regulations.

I. EXFILTRATION TEST

All new Building Sewer connections and existing piping desired to be retained for usage shall be independently tested for leakage by an Exfiltration Test. The line to be tested shall be separated at both ends, the lower end shall be plugged with a water-tight stopper and the highest end of the piping subjected to a vertical water test to provide for at least eight (8) feet of water column on any portion of the line. All such piping tested shall not show leakage in excess of 100 gallons per inch of diameter per mile of sewer per day. Tests on new or existing piping shall be witnessed by the Authority or its appointed representative.

J. BACKFILLING

No Building Sewer or other line or portion connected to the Sewer System thereof shall be backfilled until inspected by the Authority or its appointed representative. All backfilling shall be performed with materials and in accordance with procedures recommended by the manufacturer of the piping being used. In no event shall stones in excess of four (4) inches in diameter be allowed in the backfill of any building sewer trench.

K. METERS

The Authority shall require the owner of a non-domestic establishment to install, to pay for and to maintain a meter approved by this Authority for measuring volumes of sanitary sewage and / or industrial wastes, discharged into the sewer system, or in lieu thereof, may permit such owner to provide and pay for such other means of determining the volume of sanitary sewage and / or industrial wastes discharged into the sewer system, as shall be permitted from time to time by this Authority by individual determination of the Authority's Engineer or as shall be approved by and satisfactory to this Authority.

L. MANHOLES

If it is requested, and approved by the Authority, to make a direct connection of a service line to a manhole, it shall be accomplished by boring only. No jack hammering of manholes will be permitted.

M. INSPECTION

The Authority or their representative shall from time to time have the right to inspect the plumbing of all properties, buildings, systems, etc., connected to its Sewer System to insure compliance to its Rules, regulations, and/or Ordinances of the Municipalities. All inspections shall be performed during normal business hours or at other times mutually acceptable to the property owner and the Municipalities and/or the Authority. All plumbing or other items found not to be in conformity with the Rules and Regulations of the Authority and/or Ordinances of the Municipalities shall within thirty (30) days after receipt of written notice be corrected to conform to said Rules, Regulations, and/or Ordinances.

N. MAIN LINE INSPECTION FEE

The Authority will charge thirty-five (35) dollars per hour inspection fee for the inspection of a newly constructed main sewer line or any disturbance of the existing main. One (1) representative from CFJMA will be present on the site. Charges will start from the time the representative leaves the office of CFJMA and returns. CFJMA will estimate the inspection time and cost. The amount must be paid before construction begins. This amount will be deposited into an Escrow Account.

A tab will be kept of the actual inspection time. After the project is completed and meets CFJMA regulation, an invoice will be sent with the actual inspection time. If the amount is over the estimated amount, the balance is due. If the actual amount is lower, a refund will be given.

O. INSURANCE

The Cumberland-Franklin Joint Municipal Authority shall require that any individual, builder, or developer desiring to construct sewer line extensions, laterals and/or apparatus to the Authority’s system have the following minimum insurance coverage:

	Each Occurrence	Aggregate
Bodily Injury	\$ 1,000,000	\$ 1,000,000
Property Damage	\$ 1,000,000	\$ 1,000,000

A Certificate of Insurance naming the Authority as Certificate Holder shall be required prior to construction.

EXISTING SMALL-DIAMETER VARIABLE GRADE SYSTEM

A Resolution of Cumberland-Franklin Joint Municipal Authority concerning installation costs and procedures for septic tanks, pumps, and appurtenances associated with new dwelling and/or EDU construction that are component parts of **existing** small-diameter, variable grade sanitary sewer systems.

WHEREAS, Cumberland-Franklin Joint Municipal Authority (herein CFJMA) has undertaken the expansion of its sewer collection system in certain areas, by constructing small-diameter, variable grade sanitary sewer systems; and

WHEREAS, the small-diameter, variable grade systems utilize septic tanks as a component part; and

WHEREAS, CFJMA, pursuant to its authority will impose certain fees, costs, and installation procedures on future customers who connect to **existing** small-diameter, variable grade systems.

NOW, THEREFORE, be it resolved, CFJMA, by and through its Board of Directors and pursuant to its authority under the Municipal Authorities Act of 1945, as amended, does hereby act to impose the following:

1. Future customers who desire, or are required, to connect to an **existing** small-diameter, variable grade system will be required to pay the Prevailing Total Tap Fee per EDU, plus CFJMA's normal monthly User Fee; and
2. Such customers will also be responsible for the cost and installation of all house plumbing, building sewer lines, and component parts, such as septic tanks, pumps, etc., that are necessary to connect to the existing system; and
3. Such customers will be required to contact, at the expense, CFJMA's engineer to obtain design instructions that will insure proper positioning of necessary tankage and related equipment; and
4. Such customers will insure that all component parts which are deemed necessary to connect to the system, and their installation, will be in compliance with CFJMA's "Specifications Governing the Construction of Sanitary Sewer Extensions", as amended, and all applicable plumbing and electrical building codes; and

5. Such customers will obtain from CFJMA a standard easement form and will provide, at their expense, to CFJMA a legal, recorded easement that permits CFJMA access to all tanks, pumps, and components necessary for inspection and or maintenance; and
6. Such customers will not initiate any sewerage construction activities until all components and their construction plans have been approved by CFJMA, and until the easement has been recorded, and until CFJMA has issued the customer a sewage permit; and
7. Such customers, after having received all necessary approvals and permits from CFJMA and others, will give CFJMA 72 hours notice prior to proceeding with any construction activities; and
8. Such customers understand that if they are required to use a pump as a component part of their sewer system, ownership of the pump will be retained by the customer, and all future repair or replacement of the pump, its wiring, and appurtenances will be by CFJMA at the customer's expense; and
9. Such customers who may own pumps, understand that they are responsible for all electrical costs associated with the pump usage; and
10. Such customers understand that they must relinquish ownership of all component parts (other than pumps, their wiring, and appurtenances), which are situated within the legal easement granted to CFJMA and that those component parts will become the property of CFJMA; and
11. All such component parts (pumps, wiring and appurtenances not included) located in the legal easement and owned by CFJMA will be maintained by CFJMA and repaired or replaced, as necessary, by CFJMA at CFJMA's expense. All pumps, wiring, and appurtenances which may be present, will be repaired or replaced, as necessary, by CFJMA at the customer's expense.