

## APPLICATION AND SPECIFICATIONS FOR SEWER SERVICE

Date: \_\_\_\_\_ Parcel No. \_\_\_\_\_ Permit Number \_\_\_\_\_  
(Permit expiration date shall be two years from date issued)

Towanda Municipal Authority \_\_\_\_\_ Date Paid \_\_\_\_\_

Application is hereby made for Sanitary Sewer Service (to be rendered by attaching to the Towanda Municipal Authority's Sanitary Sewer System) to serve the property located at:

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Each permit issued by the Towanda Municipal Authority for intent to connect to the sanitary collection system or repair/replace existing service shall hold an expiration period of (two years from the date of issuance). If work has failed to be started by the expiration date the money shall be returned to the individual whose name appears on said permit and the permit will be considered void. The permit can be renewed and shall remain current for another two year period providing the then current tap on/repair fee is paid.

The applicant agrees to abide by the established Ordinance and Regulations of Towanda Borough pertaining to sewer service and to the Rules and Regulations of the Towanda Municipal Authority now in force, or which may hereafter be enacted or adopted, for government and regulation of said Towanda Municipal Authority and Authority and to pay for service at the adopted rates of the Borough or any subsequent rates which may be adopted by the Borough.

The applicant further agrees to be responsible for all payments for sewer at the premises described above from the date service under this application is commenced until service is terminated by written notice.

The character and volume of the discharge is represented as follows, and owner agrees that discharge shall not exceed these limits without subsequent application to and approval by Towanda Municipal Authority:

- New Connection Permit (\$1,100 tap on fee, per EDU)**
- Building Sewer Repair/ Replacement Permit (\$50.00)**
- Building sewer Termination Permit (50.00)**
- Fee waived**

**Reason** \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Name of Owner (Please Print)

\_\_\_\_\_  
Signature of Property Owner

Phone: \_\_\_\_\_

\_\_\_\_\_  
Approval Date

Plumber: \_\_\_\_\_

Towanda Borough

Address: \_\_\_\_\_

\_\_\_\_\_  
Sewer Department Representative

Phone: \_\_\_\_\_

## RULES AND REGULATIONS FOR WORK

### 1. GENERAL CONDITIONS:

- This permit addresses only the physical construction of the building sewer. The character and volume of the sanitary discharge through this connection shall be as permitted and restricted by ordinances, regulations and permits issued by Towanda Borough and regulations and permits issued by the Towanda Municipal Authority.
- Any developer or property owner desiring to correct, replace, or disconnect an existing building sewer or connect to the Towanda Municipal Authority Sewer System with a new installation shall first make application to the Authority for a Permit. No work shall be done by any developer, property owner, his agent or employee on any sanitary sewer or interior plumbing in any Sewer District of Towanda Borough or any other Municipality conveying sewage to the Towanda Municipal authority for treatment, unless the developer or property owner has made application to the Towanda Municipal Authority and has signed a Sanitary Sewer Lateral and Interior Plumbing Correction, Replacement or Installation application, paid a permit fee, and obtained all necessary state and/or Municipal Road Occupancy and Water Quality Management Permits.
- All costs and expenses incidental to the installation, connection and maintenance of the building sewer (including grinder pump systems) shall be borne by the owner. The owner shall indemnify the Towanda Municipal Authority from any loss or damage that may directly or indirectly be caused by the installation of the building sewer.

### 2. SAFETY:

- **During any construction of building sewer, lateral or main line sewer the contractor will be required to follow All Local, State, Federal (DEP, EPA and OSHA) rules and regulations including but not limited to the use of shoring, safety equipment, and the removal and disposal of Asbestos Cement pipe.**

### 3. EXCAVATION/ BACKFILL:

- **Trenches shall not be backfilled until the work has passed testing, been inspected, and approved by the Towanda Municipal Authority Sewer Inspector.** All backfilling of trenches located on unpaved Municipal roadways shall be subject to the inspection and approval of the Inspector and shall be thoroughly compacted by tamping in layers of not more than 6 inches with a mechanical tamper. The upper 18 inches of the trench shall be backfilled with crushed stone, 2A or approved equal.
- **All paved streets are to be replaced as follows:** The trench, excluding the pipe zone, shall be backfilled with 2A sub-base or approved equal. The affected roadway shall be reconstructed as per attached drawing and all construction shall be executed and warranted as specified in the Road Occupancy Permit. In all cases the developer or property owner shall be responsible for all costs of replacing road material and pavement to the specified thickness and quality, and

shall meet construction requirements of the Pennsylvania Department of Transportation and the permits and ordinances of the Municipality in which the trench is located.

- The person, firm or corporation procuring the permit shall properly maintain that portion of the backfilled trench located within the street right-of-way for a period of two (2) years from the date of acceptance by the Inspector. The permittee /contractor shall maintain adequate protection of pedestrian and vehicular traffic by the use of lighted barricades, guards, road plates, etc. during construction.
- Any open trenches within the Municipal right of way that will be left open at the end of a work day will be required to have barricades in place and roadways will require the use of approved steel plating before the contractors leave the work site.

#### 4. INSTALLATION:

A separate connection service line from the main to the inside wall of the building will be required for each individual building or house whether constructed as a detached unit or as one of a pair or row homes. A single connection service line will be permitted to serve a school, factory and apartment houses or other permanent multiple unit structure whose individual apartments or units may not be subject to separate ownership. The lateral shall be constructed according to the attached drawing. All sewer buildings must be properly trapped and vented according to acceptable plumbing standards.

#### ACCEPTABLE FITTINGS REQUIRED:

- No fitting exceeding 45 degrees will be permitted for use within any building sewer, lateral, trunkline, or sewer main.
- Any Fernco fittings being used in the construction or connection of the building sewer, lateral, trunkline, sewer main **must** be accompanied with a stainless steel band for rigidity (*strongback fernco*).
- When transitioning from SDR-35 to schedule-40 or using a fernco with SDR-35, an adaptor bushing must be used on the SDR-35 to make the pipe diameters equal.
- ALL cleanouts must be double sweep tees.
- Where no wye exists at a location determined appropriate to serve the permitted property, a **Romac style, Cascade saddle or equivalent design (approved by the township) saddle device equipped with the proper stainless steel banding will be required**, in the case of pvc sewer main, two repair couplings and a pvc wye fitting will be required.

#### PIPE BEDDING:

- All service lines shall be installed on 6 inches of 1B, 2B stone (Penn DOT Specification) or screenings. Said material shall further be placed in the pipe zone of the trench to an elevation 12 inches above the top of the pipe.

## **PIPE DIAMETER REQUIREMENTS:**

- **Single family residential Dwelling-** All building sewer lines from the edge of the cartway pavement to the inside wall of single family residential dwellings shall be of **4 inch minimum Diameter**.
- **Commercial/Industrial-** Any property deemed to be commercial/industrial or have more than one single family residential dwelling attached to the same connection shall be 6 inch minimum diameter from the edge of the cartway pavement to the inside wall of the structure.
- **ALL LATERAL Sewers** must be 6 inch pipe from property line cleanout including cleanout to the sewer main.

## **PIPE GRADE REQUIREMENTS:**

- All pipes shall be SDR 35 or SCHEDULE 40 PVC and **ALL** service lines must be laid with a minimum grade of 1/8 inch/1' for 6" pipe (1%) or with a minimum grade of 1/4 inch/1' for 4" pipe (2%) with the best possible alignment and shall prevent the admission of ground water.

## **CLEANOUTS:**

- Cleanouts are required to be placed within 5 feet of property line and within 5 feet of the structure and every 100 feet between cleanouts for new construction or for a line replacement. The property line cleanout is required to be 6" diameter and have a utility casting installed over it and set to grade. Any property requiring a *point repair* to be done to the existing sewer line shall have a cleanout placed at the repair if there is currently no existing outside cleanouts present. **ALL CLEANOUTS MUST BE DOUBLE SWEEP TEES.**
- No roof, storm, cellar seepage, surface or ground waters, oils, tar, grease, gasoline, combustible gases or liquids, garbage or insoluble solids or any substance which would impair or interfere with the sewer system or any part thereof in any manner, or with the function of the processes of sewage treatment, shall be discharged into the sewer system.

## **TEST PROCEEDURE (REQUIRED):**

### **BUILDING SEWERS AIR TEST**

#### **TEST PROCEDURE:**

1. Plug all pipe outlets with suitable test plugs. Brace each plug securely.
2. Add air slowly to the portion of pipe installation under test until the internal air pressure is raised to 4.0 psi. After this pressure is reached, allow two minutes for air temperature to stabilize.
3. If ground water is present, the pressure shall be increased by .43 psi for each foot of water above the spring line of the pipe, to make allowance for the ground water.
4. After the stabilization period, add air pressure to obtain an internal pressure of 4.0 psi. Disconnect all air supply hoses and hold test for 5 minutes. Allowable loss is 1/2 psi in 5 minutes. In the case of sewer connection of unusual length, the test duration as prescribed by

Table 68, Handbook of PVC Pipe Design and Construction, shall prevail if greater than the 5 minutes herein provided.

## **WATER EXFILTRATION/INFILTRATION TEST**

### **TEST PROCEDURE:**

1. This method of testing will be acceptable for all building sewers that do not exceed 10 vertical feet of elevation from the low point to the high point of the building sewer to be tested.
2. The building sewer shall be tested by insertion of a test plug at the low point of the building sewer to be tested. The building sewer shall then be filled with water under a head pressure of not less than ten (10) feet. The water level at the top of the test head of water shall not drop for at least fifteen (15) minutes.

### **5. INSPECTION OF WORK:**

- The designated Towanda Municipal Authority Inspector shall determine the location of the wye. Connection shall only be made into said wye. Where no wye exists at a location determined appropriate to serve the permitted property, **a Romac style, Cascade saddle or equivalent design (approved by the Municipality) saddle device equipped with the proper stainless steel banding will be required**, in the case of pvc sewer main two repair couplings and a pvc wye fitting will be required and that connection shall then be constructed by the property owner's contractor. **Said contractor MUST be on the Township's list of approved contractors. NO OTHER PERSONS SHALL BE ALLOWED TO CONSTRUCT SEWER LINE, WYE, OR LATERAL WITHIN THE MUNICIPALITY.** Where work is performed on or adjacent to the sewer main, that main shall then be exposed for a distance of at least one foot beyond the area of work in each direction. The property owner, his agent or employee shall not break or otherwise damage the sewer main, or allow surface water, ground water or any other foreign substance to enter into the sanitary sewer.
- **Notification of intent to work, arrangements for determining location of the wye and inspection of completed work shall be made with the Inspector at least twenty-four (24) hours in advance. Work will be inspected between the hours of 7:00 A.M. and 3:00 P.M. No inspection of work will be scheduled on Saturday, Sunday or holidays.**

**Towanda Municipal Authority # 570-265-2696 ext. 101 or ext. 102**

- The connection service line between the property line and the inside of the building wall (clean out) shall be inspected by the Towanda Municipal Authority Sewer Inspector and tested. Said test will be as required by current permits and regulations of the Township. All tests will be made by the permittee, his agent, or employee. The permittee shall supply the test equipment. **SAID TESTS MUST BE WITNESSED BY THE Towanda Municipal Authority BUILDING OFFICIAL OR THE SEWER INSPECTOR.** The property owner shall be solely responsible for inadequate or improper interior plumbing.

## **6. TERMINATION OF ABANDOND LATERALS / REMOVAL OF EXISTING ONLOT SYSTEM(S):**

- Any laterals entering the sewer main that are being terminated during construction for any reason are to be done so at the closet possible point to the sewer main, (edge of cartway minimum). Termination should be done by using water tight caps/fitting to not allow for future inflow/infiltration into the sewer system. Exact location of termination to be determined by the Municipal Inspector.
- The permittee, his agent or employee shall be required to fill in and/or remove the permittee's existing cesspool and/or septic tank. An inspection of the filled in and/or removal of the existing cesspool and/or septic tank shall be required. Refer to: "Instructions Concerning the Closing of Your Existing On-Lot Septic System" for detailed information.

### **INSTRUCTIONS CONCERNING THE CLOSING OF YOUR EXISTING ON-LOT SEPTIC SYSTEM**

It is the requirement of the Towanda Municipal Authority that each property owner, who obtains a permit to tap on to the Towanda Municipal Authority Public Sewer System, shall properly close their existing on-lot septic system regardless if it is a cesspool, septic tank, or some other device.

### **INSTRUCTIONS FOR CLOSING OF ON-LOT SEPTIC SYSTEM**

1. Each on-lot septic system must be pumped out before closure and a pump receipt shall be provided to the Towanda Municipal Authority inspector.
2. Each on-lot septic system shall be completely filled in with ground material.
3. The property owner may use any excess material they have available from digging a trench for their lateral to fill their existing septic system.
4. If, for any reason, there are more than one on-lot septic systems on your property, All must be closed and filled properly.
5. Township personnel will be inspecting the closure of your on-lot septic system to determine that it has been completed properly.

You must call the Towanda Municipal Authority Office, at **570-265-2696 ext. 106**, when your contractor has opened your on-lot system for closure purposes, and when closure has been completed.

## GRINDER PUMPS

1. GENERAL DESCRIPTION The Residential Grinder Pump installations shall be factory-built and tested Grinder Pump Stations, each consisting of one (1) grinder pump suitably mounted in a basin constructed of fiberglass or high-density polyethylene (HDPE), pump removal system, shut-off valve, anti-siphon valve, and check valve assembled within the basin, electrical alarm/disconnect panel, and all necessary internal wiring and controls
2. The purchase, installation, set-up, and maintenance of the pump and all relevant equipment shall be solely the responsibility of the property owner, and shall adhere to the specifications and guidelines laid forth by the manufacturer and vendor of the pump.
3. The grinder pump unit shall be installed outside of the building. Pump model and size would depend on installation location and elevation (to be determined by the contractor per manufactures specs).
4. The grinder pump control panel must include an alarm circuit containing an audible horn, warning light and reset button.
5. All electrical wiring for pump installation shall conform to applicable electrical code requirements.
6. Discharge piping shall be in accordance with pump manufacturer's/supplier's recommendation. Pipe type shall be PVC SDR 21 rubber gasketed bell and spigot joint pipe for size 1 ½" or larger. For 1 ¼" pipe, PVC Schedule 80 or PVC SDR 21 can be used with PVC compression couplings. Where 1 ¼" PVC bends are necessary, socket type Schedule 40 or Schedule 80 bends are to be used. Bends are to be glued to barrel of pipe outside of trench. 90\* bends are not acceptable. Two 45\* bends with 2 foot nipple are to be used to make 90\* turn.
7. All sanitary waste lines including but not limited to toilets, laundry facilities, sinks, dishwashers and any other source of gray water shall be connected into the public wastewater system. 5. No storm water, roof conductors, foundation (French) drains, driveway drains, sump pumps, nor any source of ground or surface water whatsoever is permitted to enter the sewage service line.
8. Connection location to the public sewer system shall be determined by the Authority's Inspector Connection to an existing manhole shall be cored and linkseal installed to achieve a watertight connection.
9. Discharge piping shall be installed with a minimum of 48" cover to prevent freezing. Suitable Bedding of 6" and backfill material shall be placed to a minimum of 12" above crown of pipe.
10. A single #12 Gauge copper insulated tracer wire, continuous, shall be buried with pipe and terminated above grade at pump control panel for locating pipe in the future.

I hereby agree that in the event the undersigned property owner or owners do not fulfill each of the above conditions, I hereby authorize the Towanda Municipal Authority to disconnect such sewer connection and retain the permit fee for the use of the Towanda Municipal Authority to reimburse the Towanda Municipal Authority for cost of said disconnection. This agreement is made to induce the Towanda Municipal Authority to permit this repair, replacement or installation work to be done.

TOWANDA BOROUGH  
TOWANDA MUNICIPAL AUTHORITY

BY: \_\_\_\_\_  
Sewer Department Representative                      Property Owner

\_\_\_\_\_  
Property Owner

Constructed by: \_\_\_\_\_  
Address (Contractor): \_\_\_\_\_

Inspector: \_\_\_\_\_

Date of Lateral Inspection \_\_\_\_\_ Date of Existing System Closure \_\_\_\_\_

REMARKS:

**ADDENDUM**

Owner (Towanda Municipal Authority) asserts that "wye" sheet given to property owner at the time Permit is issued or signed is given as a matter of assistance or courtesy only and the Towanda Municipal Authority is not responsible for any errors that may be on said "wye" sheet. Property owner acknowledges and further agrees not to hold the Towanda Municipal Authority responsible for any losses that may result from any errors on said "wye" sheet.