

SERVICE LATERAL AND/ OR BUILDING SEWER MINI SPECIFICATION

1. Prior to construction and/or replacement of the Service Lateral and/or Building Sewer the Owner and/or Contractor must complete a Permit Application and pay all required fees, obtain specifications and provide proof of insurance to the Authority.
2. All service laterals or building sewers and/or repairs to service laterals or building sewers shall be inspected and tested before being placed into service. Testing shall be performed after the lateral has been backfilled.
3. Any service laterals, which are to be abandoned, must be disconnected from the sewer main.
4. Any work performed in Township streets shall require a Street Opening Permit.
5. The contractor is required to comply with all OSHA safety regulations.
6. The contractor shall comply with the requirements of the PA Vehicle Code, Title 67 with respect to traffic control (PennDOT Publication 203) and any other requirements of the Police Departments.
7. When working in a State Highway a Highway Occupancy Permit (HOP) is required. No work may be performed until this permit has been obtained.
8. The specifications provided below are general in nature. For additional information refer to Section 02720 Service Lateral and Building Sewer Installation of the Hatfield Township Municipal Authority Sanitary Sewer Specifications.

Bedding and Backfill Material

1. Bedding:  
Grade: 1B, 2A, 2B
2. Backfill in Paved Areas  
Grade: 2A
3. Minimum of six (6) inch all around pipe
4. Location tape shall be placed on top of the bedding material (6" above pipe).
5. Rock in excess of three (3) inches in diameter shall not be used as backfill.

Paving

1. Temporary paving will be installed in accordance with the Street Opening Permit.  
  
Cold Patch or HMA Base Course – two (2) inches compacted

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2. Permanent Paving will be installed accordance with the requirements of the Street Opening Permit.

(Minimum requirement)

HMA Base Course, PG 64-22, .3 to 3 Million ESAL's, 25mm, 5" depth

HMA Wearing Course, PG 64-22, .3 to 3 Million ESAL's, 9.5mm, SRL-H, 1-1/2" depth

In State Roads pavement restoration will be in accordance with the HOP and as directed.

### Pipe Material (4" or 6")

1. 6" pipe required for the service lateral (see details for limits).
2. 4" or 6" pipe for building sewer (see details for limits).
3. SDR 26 PVC (Push-on joints).
4. Schedule 40 PVC with Solvent Weld Joints: Only to be used when repairing existing schedule 40 pipe. Prior approval by the Authority is required.

### WYE Connections

1. All connections to existing sanitary sewer mains will be made by installing a WYE or Sanitary TEE connection (see details).
2. The use of saddles is NOT permitted.

### House Trap & Vent

1. House traps in new construction will not be permitted.
2. House traps may be installed at the direction of the Authority if required (house not fully trapped and vented) or when replacing existing trap.
3. House traps shall be manufactured by The Harrington Corp. or approved equal.

### Minimum Cover

1. Minimum of three (3) feet.
2. Any pipe with less than three (3) feet will be Ductile Iron pipe.

### Detection Tape

1. Place detection tape in the trench on top of the stone prior to backfilling.

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### 2-Way Cleanouts

1. Cleanouts are required. Spacing of cleanouts will not be greater than ninety (90) feet and one within three (3) feet of the house foundation wall. Cleanouts will be placed at all bends greater than (45) degrees.
2. All cleanouts shall be 2-Way Cleanouts (see detail).
3. Service Lateral cleanouts shall be a minimum of six (6) inch. Service lateral cleanouts shall be a minimum of four (4) inch.
4. All cleanouts will have Pannella Caps. Cleanout located in paved and/or traffic areas shall have an additional cleanout cover. See details.
5. See details for location of cleanout(s).

### Minimum Slopes

1. Minimum slope for four (4) inch pipe shall be 2%. (1/4' per foot)
2. Minimum slope for six (6) inch pipe shall be 1%. (1/8' per foot)

### Adapters

1. Solid sleeve couplings on all pipe connections.
2. Connections from PVC to clay shall require a Fernco with shear bands. A bag of cement shall be placed under each flexible coupling for support. See attached detail.
3. Rubber adapter bushings (donuts) are not permitted.

### Testing

1. All lateral installations shall be air tested. Air test shall be at a minimum pressure of 4 psi to a maximum pressure of 5 psi for five (5) minutes. Air shall be allowed to stabilize in the line for the first two (2) minutes, if the pressure drops during this time the line shall be pressurized to the initial start pressure and the test started. If no pressure is lost in the first two (2) minutes the test shall continue. If air is added restart the test time. If no air is added continue with the test time.
2. Testing shall be done after the lateral has been backfilled.

### Lateral Disconnection

1. All disconnected laterals will be removed from the main line sewer.
2. The disconnection will involve the removal of the existing wye and/or plumbers tap connection and installing a new piece of PVC pipe and couplings. See details for additional requirements.