

**VERNON TOWNSHIP SANITARY AUTHORITY  
BUILDING SERVICE SEWERS  
SEWER SYSTEM RULES AND REGULATIONS  
MATERIAL AND INSTALLATION SPECIFICATIONS**

The following is a condensed version of the Rules and Regulations which have been established by the Vernon Township Sanitary Authority dated October 4, 1990, and as amended by the Authority. This condensed version is distributed to residential and commercial property owners to use as a guide for the installation and connection to the Authority's sewer system. A complete set of Sewer System Rules and Regulations is available for inspection at the Authority's Office.

**Permit Application**

Any developer or property owner desiring to correct or replace an existing building sewer or connect to the Vernon Township Sanitary Authority (Authority) sewer system with a new installation shall first make application to the Authority on the permit form furnished. No work shall be done by any developer, property owner, his agent, or employee on any sanitary sewer lateral or interior plumbing unless the developer or property owner has made application to the Authority and has provided all information requested on said form including the character and use of each structure located on the property. The permit shall be valid for 60 days from the date of application.

**Tapping Fees**

The current tapping fee(s) per Equivalent Dwelling Unit (EDU) shall be paid at the time of making application for permission to make a connection to the sewer system. At locations where a wye was not previously installed, the connection shall be made by a qualified agent at the expense of the property owner in which case any additional charges associated with the actual connection will be billed after completion of the connection.

**Other Permits**

The developer or property owner shall obtain and pay for all state, county, township, local, water quality management, and any other permits deemed necessary.

**Starting Installation**

No work shall commence before the payment of the tapping fee(s), issuance of the connection permit, and receipt of all other necessary permits.

### Number of Connections

Unless written permission is obtained from the Authority, separate connections will be required for each individually occupied building whether constructed as a detached unit or as one of a pair or row, but a single connection may be permitted to serve a permanent, multiple unit structure whose individual apartments or units may not be subject to separate ownership.

### Notification

Connection to sanitary sewers shall be completed within 60 calendar days of receipt of proper notification to make connections.

### Connections to Sanitary Sewer System

All water carrying wastes from residences, cottages, commercial establishments, etc., shall be discharged to the sanitary sewer system. **No roof drains, cellar seepage, sump pumps, storm drains, foundation drains, spring water, surface water, oils, tar, grease, gasoline, combustible gases or liquids, garbage or insoluble solids or any substance which would impair or interfere with the sanitary sewer system shall be discharged to the sanitary sewer system.** Basement floor drains shall not be connected to the sanitary sewer unless prior written permission is obtained from the Authority. No privy, vault, cesspool, septic tank, mine hole, or similar receptacle shall be connected to the sanitary sewer system.

### Inspections

The designated inspector of the Authority shall be given at least 24 hours notice of the time when such connection shall be made in order that said inspector can be present to inspect and approve the work of connection. The inspector shall signify his approval on the connection by endorsing his name and the date of approval on the aforementioned connection permit in the possession of the permittee. Work will be inspected between hours of 8 a.m. and 2:30 p.m. on Monday through Friday. No inspection work will be schedule on Saturdays, Sundays or Holidays. At the time of inspection of the connection, the owner of the property shall permit the inspector full and complete access to all sanitary and drainage arrangements and facilities in each building and in and about all parts of the property. **No part of any building sewer line shall be covered over, or in any manner concealed, until it is inspected and approved by said inspector.**

### Additional Inspections

It is the intention of these rules and regulations that the entire connection be inspected at one time. If the property owner feels that special conditions warrant more than one inspection, he may request same. Additional inspections may be subject to additional fees as established by the Authority.

### **Industrial Waste Discharges**

The discharge of industrial wastes into the sanitary sewer system without the prior written consent of the Authority is prohibited.

### **Sanitary Sewer Pipe**

All service sewer pipe shall be at least 4 inches in internal diameter; 6 inch diameter pipe may be used at the property owner's option. Pipe shall be PVC SDR 35 pipe, manufactured in accordance with ASTM D3034. All pipe shall have elastomeric gasketed joints. Each section of pipe shall be stamped with the manufacturer's certifications that it has been manufactured, tested and inspected in accordance with the current ASTM specifications.

### **Installation**

All sewer pipe shall be installed in strict accordance with the manufacturer's recommendations. A 6 inch gravel cradle shall be provided under the pipe the full width of the ditch and continue to a point one foot above the top of the pipe. Sanitary service sewers shall be installed in accordance with Drawings VTSA-1, VTSA-2, VTSA-3 and VTSA-4, attached to these rules and regulations. All pipe shall be installed with a minimum slope of 1/4 inch per foot (2.0 percent). Pipe shall be installed with a minimum cover of 4 feet over the top of the pipe if possible, unless otherwise approved in writing by the Authority. Pipe installation shall start at a maximum of 5 feet from the building.

### **Lateral Inspection Port**

All new service line connections to the Authority's system and each replacement of any service line, shall be installed with a Lateral Inspection Port to inspect, test, or sample the service line and the effluent flowing therein, and for other purposes.

### **Sewer Trap Installation (OPTIONAL)**

All sewered buildings must be properly vented in accordance with acceptable plumbing codes and standards. If a building is not properly vented, a trap and air intake shall be installed in strict accordance with the details on Drawings VTSA-1 and VTSA-2, and the directions of the sewer inspector. The installation of the trap and air intake is at the option of the property owner if the sewered building is properly vented, and the property owner in such cases assumes all responsibility for that decision. In the interest of personal safety, it is highly recommended by the Authority that a trap and air intake be installed. The air intake shall be installed so as not to allow the discharge of any surface water to the sanitary sewer system. Maintenance and repair of all building sewers shall be the responsibility of the property owner.

## Backflow Prevention Devices

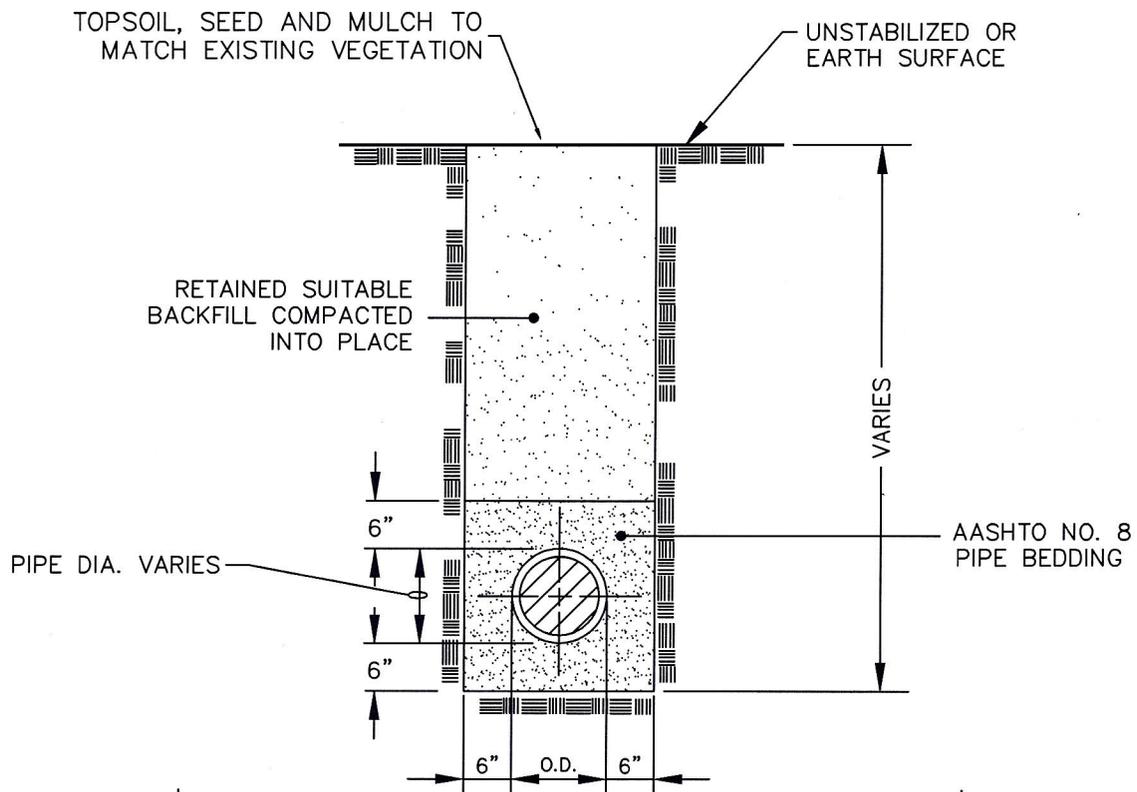
Backflow prevention devices may be installed on the building sewer at the property owner's option. Selection, installation, operation and maintenance of such devices are the responsibility and risk of the property owner.

## Grease Interceptors and Separators

All new, remodeled, upgraded or expanded Food Establishments shall be required to install and maintain, at its own cost and expense, an interceptor or separator of a type sufficiently sized to handle the Fat, Oil and Grease (FOG) or according to plans approved by the Authority Engineer.

All sources of discharge to the POTW from a Food Establishment except such discharges from drinking water fountains and toilets, shall be connected to an interceptor or separator including sinks, utility sinks and slop sinks. Any such interceptors or separators shall be of a design and capacity and shall be installed in the manner provided in the then current version of the International Building Code, as amended from time to time, and which is adopted herein by reference.

All food establishments shall inspect and clean each interceptor or separator no less often than every six (6) months, and more often if necessary to prevent the discharge into the public sanitary sewer system of FOG.



**TRENCH DETAIL**

MINIMUM CONSTRUCTION & RESTORATION DETAIL FOR  
 TRENCHING AND/OR SURFACE EXCAVATIONS  
 IN  
**NON-CARTWAY/NON-PAVED SURFACE**  
 NOT TO SCALE

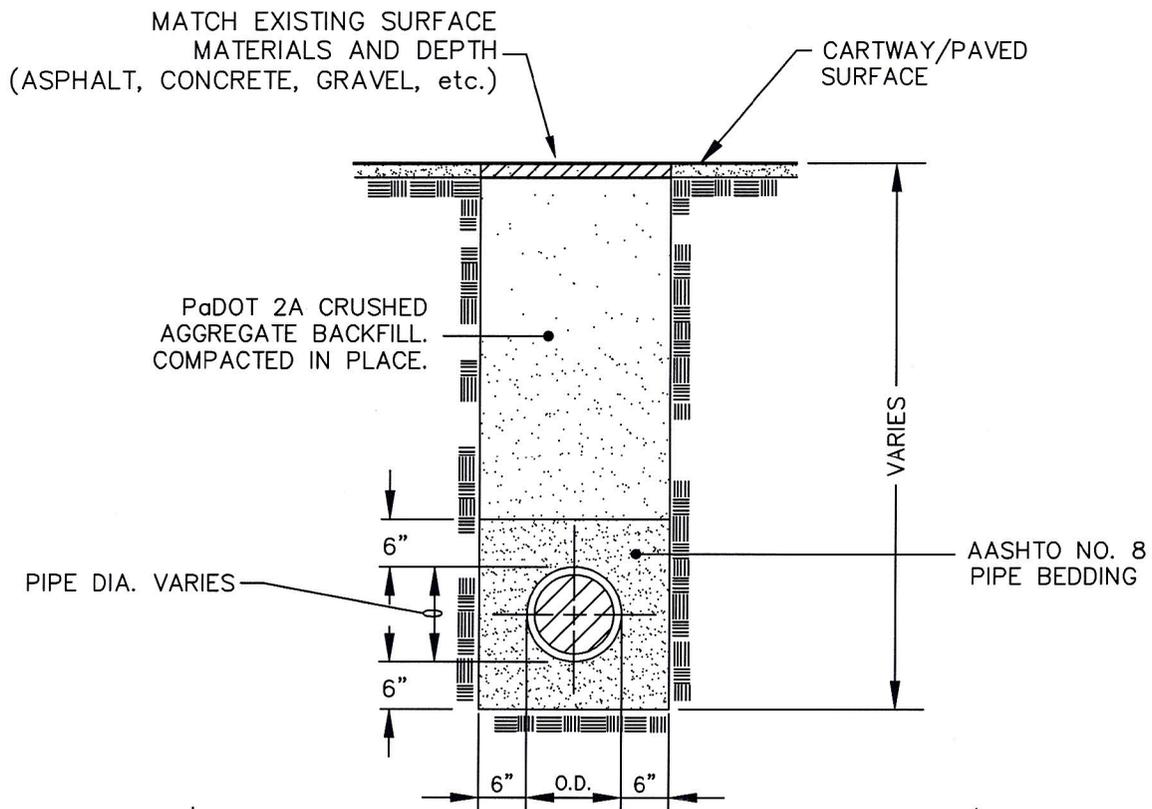
REVISIONS		
NO.	DESCRIPTION	DATE

**VERNON TOWNSHIP SANITARY AUTHORITY**  
 VERNON TOWNSHIP, CRAWFORD COUNTY, PENNSYLVANIA  
 TRENCH BEDDING AND BACKFILL  
 DETAIL FOR  
 NON-PAVED AREAS

<b>HILL ENGINEERING, INC.</b> NORTH EAST, PENNSYLVANIA			
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cal	C.J.F.	NO SCALE	VTSA-4
TRACED	APPVD	DATE	
	C.J.F.		

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### TRENCH DETAIL

MINIMUM CONSTRUCTION & RESTORATION DETAIL FOR  
 TRENCHING AND/OR SURFACE EXCAVATIONS  
 IN  
**CARTWAY / PAVED SURFACE**  
 NOT TO SCALE

REVISIONS		
NO.	DESCRIPTION	DATE

**VERNON TOWNSHIP SANITARY AUTHORITY**  
 VERNON TOWNSHIP, CRAWFORD COUNTY, PENNSYLVANIA  
 TRENCH BEDDING AND BACKFILL  
 DETAIL FOR  
 PAVED / IMPROVED AREAS

**HILL ENGINEERING, INC.**  
 NORTH EAST, PENNSYLVANIA

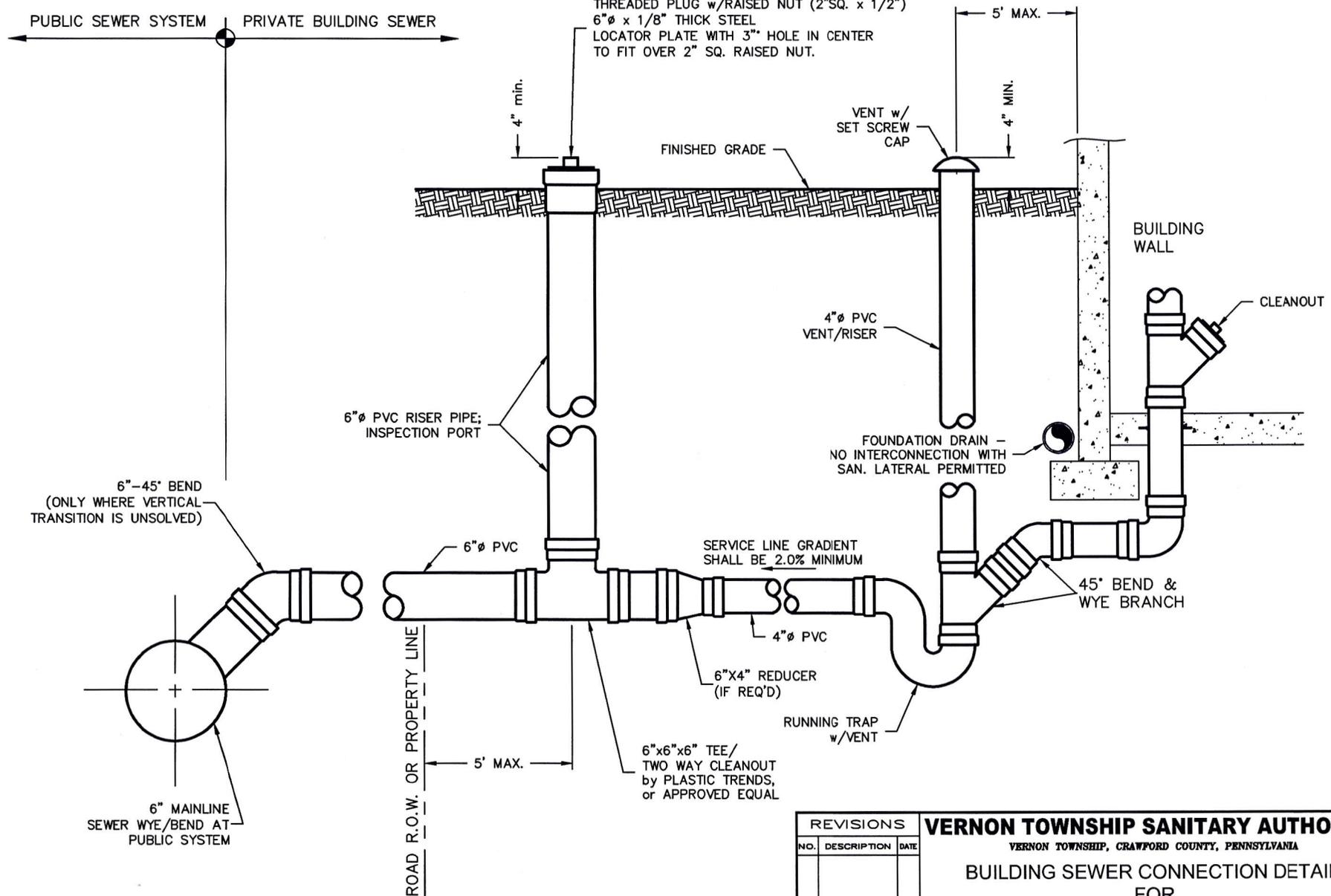
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PUBLIC SEWER SYSTEM      PRIVATE BUILDING SEWER

THREADED PLUG w/RAISED NUT (2" SQ. x 1/2")  
 6"φ x 1/8" THICK STEEL  
 LOCATOR PLATE WITH 3" HOLE IN CENTER  
 TO FIT OVER 2" SQ. RAISED NUT.



6"-45° BEND  
 (ONLY WHERE VERTICAL  
 TRANSITION IS UNSOLVED)

6" MAINLINE  
 SEWER WYE/BEND AT  
 PUBLIC SYSTEM

6"φ PVC RISER PIPE;  
 INSPECTION PORT

ROAD R.O.W. OR PROPERTY LINE

5' MAX.

6" x 6" x 6" TEE/  
 TWO WAY CLEANOUT  
 by PLASTIC TRENDS,  
 or APPROVED EQUAL

SERVICE LINE GRADIENT  
 SHALL BE 2.0% MINIMUM

RUNNING TRAP  
 w/VENT

4"φ PVC  
 VENT/RISER

FOUNDATION DRAIN -  
 NO INTERCONNECTION WITH  
 SAN. LATERAL PERMITTED

45° BEND &  
 WYE BRANCH

CLEANOUT

BUILDING  
 WALL

5' MAX.

4" MIN.

4" min.

FINISHED GRADE

VENT w/  
 SET SCREW  
 CAP

NOTE: TYPICAL DETAIL REFLECTS 4" DIAMETER MIN.  
 BUILDING SEWER. 6" DIAMETER BUILDING SEWER  
 MAY BE UTILIZED AT PROPERTY OWNERS' OPTION.

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**VERNON TOWNSHIP SANITARY AUTHORITY**  
 VERNON TOWNSHIP, CRAWFORD COUNTY, PENNSYLVANIA

**BUILDING SEWER CONNECTION DETAIL  
 FOR  
 NON-PAVED AREAS**

**HILL ENGINEERING, INC.**  
 NORTH EAST, PENNSYLVANIA

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PUBLIC SEWER SYSTEM      PRIVATE BUILDING SEWER

PAVED SURFACE

EAST JORDAN 1577  
HEAVY DUTY CASTING & COVER  
LETTERED w/'SEWER'  
OR APPROVED EQUAL

INSTALL CASTING UPSIDE DOWN  
SO THAT IT FITS INTO THE  
10"Ø PVC COLLAR (BELL END)

THREADED PVC PLUG  
w/RAISED NUT  
(1/2"SQ. x 1/2")

VENT w/  
SET SCREW  
CAP

5' MAX.

4" MIN.

10"Ø PVC PIPE  
4'-0" LONG (MIN.)

6"Ø PVC RISER PIPE;  
INSPECTION PORT

4"Ø PVC  
VENT  
RISER

BUILDING  
WALL

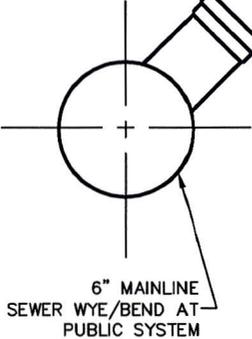
CLEANOUT

FOUNDATION DRAIN -  
NO INTERCONNECTION WITH  
SAN. LATERAL PERMITTED

6"-45° BEND  
(ONLY WHERE VERTICAL  
TRANSITION IS UNSOLVED)

SERVICE LINE GRADIENT  
SHALL BE 2.0% MINIMUM

45° BEND &  
WYE BRANCH



ROAD R.O.W. OR PROPERTY LINE

6"Ø PVC

4"Ø PVC

6"X4" REDUCER  
(IF REQ'D)

RUNNING TRAP  
w/VENT

6"X6"X6" TEE/  
TWO WAY CLEANOUT  
by PLASTIC TRENDS,  
or APPROVED EQUAL

5' MAX.

NOTE: TYPICAL DETAIL REFLECTS 4" DIAMETER MIN.  
BUILDING SEWER. 6" DIAMETER BUILDING SEWER  
MAY BE UTILIZED AT PROPERTY OWNERS' OPTION.

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**BUILDING SEWER CONNECTION DETAIL  
FOR  
PAVED AREAS**

**HILL ENGINEERING, INC.**  
NORTH EAST, PENNSYLVANIA

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