

SECTION 1

BUILDING SEWER LATERAL INSTALLATION SELF-TEST & ANSWER KEY



BUILDING SEWER LATERAL INSTALLATION – FORT WAYNE CITY UTILITIES

SELF TEST

1. The minimum slope (fall) for a building sewer service line is:
 - A. One (1%) percent or approximately 1/8" per foot
 - B. Two (2%) percent or approximately 1/4 per foot
 - C. Three (3%) percent or approximately 1/3" per foot
 - D. Four (4%) percent or approximately 1/2" per foot

2. The minimum diameter of a building sewer service line is:
 - A. 4"
 - B. 5"
 - C. 6"
 - D. 8"

3. The minimum cover over the top of a building sewer service is:
 - A. 2'
 - B. 3'
 - C. 4'
 - D. 5'

4. No manhole shall be tapped with a building sewer service, unless a special permit is first issued by:
 - A. The Water Resources – Development Services Department
 - B. The Industrial Pretreatment Coordinator
 - C. The Board of Health Department
 - D. None of the above

5. All field tile found during excavation of a building sewer service trench, even if it appears to be abandoned said field tile shall be:
 - A. Bulk headed properly at both ends by concrete mortar.
 - B. Repaired by connecting both ends with a new section of pipe.
 - C. Connected to the building sewer service using proper fittings and adaptors.
 - D. Die-tested.

6. The roof downspouts of a building shall not be connected to the building sewer service unless:
 - A. No storm sewer is available in the area.
 - B. The property owner authorizes the contractor to make the connection.
 - C. The sewer system of the area is a combination sewer system.
 - D. Whatever the case may be, such connection is illegal.

7. A 90-degree turn of a building sewer service shall be constructed using:
 - A. Two (2) – 45-degree long elbows
 - B. One (1) – 90-degree short elbow
 - C. Two (2) – 45-degree short elbows
 - D. All of the above

8. A Cleanout is required on a building sewer service line:
 - A. Just outside the building at the connection of the soil pipe and the building sewer service, when no cleanout exists
 - B. Before a 90-degree elbow
 - C. Whenever the distance between a cleanout is greater than 100 feet
 - D. A and C

9. The hours for requests for sewer tap inspections are:
 - A. 8:00am – 2:00pm; Monday – Friday, excluding holidays
 - B. 8:00am – 4:00pm; Monday – Friday, excluding holidays
 - C. 8:00am – 3:00pm; Monday – Saturday, excluding holidays
 - D. 8:00am – 4:00pm; Monday – Saturday, excluding holidays

10. The minimum notice required to be given to the New Water & Sewer Permit Office (Inspection & Permitting Services), by the contractor for completing the inspection is:
 - A. 24 – Hours
 - B. 12 – Hours
 - C. 3 – Hours
 - D. 2 – Hours

11. Who do you call for a building sewer service tap inspection?
 - A. Water Resources Department (260) 427-5064
 - B. New Water & Sewer Permit Office (Inspection & Permitting Services) (260) 427-1161
 - C. Right-of-Way Department (260) 427-1144
 - D. Building Department (260) 428-7131

12. Each building sewer service and tap must be inspected and approved:
 - A. After the sewer trench is backfilled and construction area properly restored
 - B. Before the placement of bedding into the trench
 - C. After the placement of bedding into the trench
 - D. Before the sewer trench is backfilled

13. The contractor shall make the following provision (s) for all sewer trenches which are to be left open over night:
 - A. Place construction warning signs in the vicinity of the trench
 - B. Surround the trench with a forty-two (42") inch high brace fence
 - C. Place barricades with lights around the trench
 - D. All of the above

14. A building sewer service shall not cross the property of another private owner unless:
 - A. An authorization of entry upon private property document has been signed by such private owner
 - B. A recorded sewer easement has been granted by such private owner
 - C. A waiver agreement for all damages due to sewer construction has been signed by such private owner
 - D. None of the above

15. The length of the soil pipe extended from the outside foundation wall of a building shall be:
 - A. A minimum of 1' and a maximum of 3' from the wall
 - B. A minimum of 3' and a maximum of 5' from the wall
 - C. A minimum of 5' and a maximum of 8' from the wall
 - D. A minimum of 7' and a maximum of 10' from the wall

16. An acceptable PVC-SDR 35 pipe shall have the following designation stamped on it:
- A. AWWA-C202
 - B. AASHO-M170
 - C. ANSI-A21.8
 - D. ASTM-D3034
17. The backfill material of a sewer trench crossing a street shall be:
- A. Special stone backfill #53 or #73
 - B. Granular material
 - C. "B" borrow
 - D. In compliance with the applicable right of way requirements
18. If during installation of a building sewer service an existing utility line accidentally breaks, the contractor shall first call:
- A. The Water Resources Department (260) 427-5064
 - B. The New Water & Sewer Permit Office (Inspection & Permitting Services) (260) 427-1161
 - C. The utility whose line was interrupted
 - D. The IUPPS Service 1-800-382-5544
19. A minimum distance of a building sewer service to a well shall be:
- A. 50 foot radius
 - B. 25 foot radius
 - C. 100 foot radius
 - D. No distance required
20. When a building sewer service is within a 50' radius of a well, the following pipe shall be used:
- A. SDR 21
 - B. An approved material by the Water Resources Department
 - C. SDR 35
 - D. A & B
21. When tapping a cured-in-place (CIP) sewer, the following methods will apply:
- A. The host pipe (original pipe) regardless of material must be removed where the tap is to go. Once the CIP liner is exposed, the liner must be core drilled. The host pipe should be removed larger than the new tap, this is to allow the insert-a-tee to be placed directly in the CIP liner.
 - B. No method applies



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SELF TEST ANSWER KEY

Question	Answer
1.	B
2.	C
3.	B
4.	A
5.	B
6.	D
7.	A
8.	D
9.	A
10.	C
11.	B
12.	D
13.	D
14.	B
15.	B
16.	D
17.	D
18.	C
19.	A
20.	D
21.	A