

DIVISION OF WATER POLLUTION CONTROL (WPC) ENGINEERING
SECTION
SEWER CONNECTIONS AND/OR SEWER CONSTRUCTION REQUIREMENTS:

- 1) The Department of Building and Housing, Plumbing section must approve plans prior to the Division of Water Pollution Control approval. (State and Federal projects are exempted).

- 2) In order to receive a sewer permit, the contractor must be a licensed and bonded sewer builder with the City of Cleveland, Department of Public Utilities, Division of Water Pollution Control.

- 3) To obtain a lay permit in the street, a street opening permit is required.

- 4) The sewer plan must show the size, length, invert elevation, slope and type of material of the existing and proposed sewers. The plan shall also show the distance from the proposed sewer connection to the nearest manhole in the street. The City sewer connection records should be shown on the sewer plan: manhole number, slant number, book number & page, file number . . . For this purpose, the sewer record should be checked for availability at the WPC office. Additionally, the sewers located within the right of way must be labeled correctly as “existing” or “proposed” along with “sanitary” , “storm” or ‘combined”.

- 5) Use 6” minimum for the size of the proposed sewer connections in the City right of way. Also, use a 1% minimum slope and 3 ft minimum cover for the proposed 6” and 8” sewer connections in the City right of way.

- 6) The sewer plan must show the elevation of the finished floor and basement floor.

- 7). The following note must be added in the sewer plan: ‘The contractor must obtain a sewer permit from the City of Cleveland, Division of Water Pollution Control, prior to performing the sewer work” . .

- 8) A premium joint Vitrified Clay Pipe (VCP) Test Tee must be provided with each connection. The Test Tee should be installed at 1 ft to 2 ft from the right of way line, in the property, unless it is determined by the Engineering section. Instead of installing a test tee, a manhole may be required in some cases. This will be determined by the WPC Engineering section.

- 9) New houses and/or buildings shall have new sewer connections from the main sewer to the house or building. Existing connection(s) can only be used when the owner proves to the City that the existing connection(s) is in . good working condition. The City shall decide on the condition of existing connections.

10) In the City right of way, the difference of invert elevations between a manhole and a storm sewer connection that ties to this manhole should not exceed 10 ft; otherwise, a drop manhole is required.

11) In the City right of way, the difference of invert elevations between a manhole and a sanitary/combined sewer connection that ties to this manhole should not exceed 2 ft; otherwise, a drop manhole is required.

12) It is prohibited to construct drops inside the City sewer manholes. 13) PVC pipe may not be used inside the City right of way.

14) In the City right of way, all pipe 18" and smaller including the test tee should be VCP with premium joints. Cast iron or ductile iron pipe including the test tee may be used in some locations determined by the WPC Engineering section.

15) In the City right of way, all pipe 21" and larger must be Reinforced Concrete Pipe (RCP) with premium joints.

16) In the City right of way, a manhole must be used when a new connection would destroy the structural integrity of a pipe it is joining. This will be determined by the WPC Engineering section.

17) When a connection is being made to a VCP sewer pipe (18" or smaller) in which a manhole is not needed, it is prohibited to use a saddle; instead use a VCP wye branch.

18) When a connection is being made to a sewer pipe (larger than 18") in which a manhole is not needed, a saddle is to be used. Connecting to an existing manhole would be preferred. In any case, the sewer connection should be performed by coring into the existing sewer pipe/manhole.

19) Sewer connections to City catch basins are jpp permitted.

20) All catch basins located within the private property and having an outlet to the main sewer or sewer appurtenances shall have a trap and 2 ft minimum surmp. .

21) Storm flow and/or storm detention calculations may be required with storm connection plans (house connection plans are excluded). This will be determined by the WPC Engineering section.

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22) In addition to the City of Cleveland-Division of Water Pollution Control approval, a letter of authorization from the Northeast Ohio Regional Sewer District (NEORS) is required whenever the sewer connection is to be tied to an intercepting sewer. This will be determined by the WPC Engineering section. NEORS contact number is (216) 881-6600. •

23) Any deviation from the sewer requirements must be approved by the Commissioner of the Division of Water Pollution Control.

24) If you have questions regarding the requirements call the WPC engineering office at (216) 664-2787, (216) 664-3783 or (216) 664-2756.

Note: Section 541 of the codified ordinances of the City of Cleveland and all related ordinances shall apply.

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