



Lateral Connections to Existing Sewer Lines

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Option 1 – Connection Directly to Existing Manhole

1. Excavate to required depth using the trench safety guidelines recommended for type “C” soil.
2. Pay attention to the use of gas monitors, ventilation systems, and the requirements for confined space entry.
3. Core 12-inches hole and install rubber boot into manhole for a 6-inch pipe.
4. Install connection in accordance with Fulton County Standard Detail 115. Please refer to Fulton County Standard Construction Details:
<https://www.fultoncountyga.gov/services/water-services/view-construction-standard-details>
5. Install 6-inch sewer service lateral (Fulton County Standard Detail 711), and cleanout on edge of easement or public road right-of-way.
6. All material should be used in accordance with manufacturer’s specifications.
7. For bedding and haunching, use crushed stone such as No. 57 stone up to the top of service pipe. Bedding should be one 1-foot below bottom of main and service pipes. The width should extend 1-foot on either side of the pipe.
8. Backfill trench leaving a space around the cleanout four inches below final level of the bottom and six-inch beyond the perimeter of the cleanout box.
9. Flush service line and clean main.
10. Before leaving the job site, the area should be thoroughly cleared of all surplus material, debris and tools. It may be necessary to wash down streets, sidewalks and driveways.

Option 2 – Connection to Main Using Tee-Wye (Less than 12-inch Diameter Pipes)

1. Check depth of sewer main at upstream and downstream manholes to determine maximum depth of lateral.
2. Check utility located and if there are any missing, do not excavate.
3. For pavement cuts, please refer to applicable Fulton County Standard Construction Details
<https://www.fultoncountyga.gov/services/water-services/view-construction-standard-details>
4. For any excavation work around utilities, hand digging shall be performed until all marked utilities have been exposed and secured.
5. Continue excavating using the trench safety guidelines recommended for type “C” soil.
6. Excavate to one 1-foot below the bottom of sewer service pipe.
7. Use only 6-inch ductile iron sewer pipe (depths less than 4-feet under pavement) or PVC pipe and fittings.
8. At edge of easement or public road ROW, cut space in service pipe large enough to install 6-inch “Y”.
9. Thoroughly clean all pipe ends and fittings before installation.
10. Using mechanical joints, Fernco couplings or other acceptable connection systems, install 6-inch “Y” on service line.

11. Continue cleanout installation in accordance with Fulton County Standard Detail 711. Do not install a cleanout in a sidewalk. Position the cleanout to avoid pedestrian areas. If the cleanout is located within a driveway, a traffic bearing box shall be used and the lid shall be flush with the driveway surface.
12. Place cap onto end of pipe.
13. All material should be used in accordance with manufacturer's specifications.
14. Backfill trench leaving a space around the cleanout four inch below final level of the bottom and six-inch beyond the perimeter of the cleanout box.
15. Place 57 stone 4-inch deep and 6-inch beyond the perimeter of the box.
16. Install cleanout box and place 4-inch of 57 stone inside of box.
17. Install lid.
18. Flush service line and clean main.
19. Before leaving the job site, the area should be thoroughly cleared of all surplus material, debris and tools. It may be necessary to wash down streets, sidewalks and driveways.

Option 3 - Connection to Main Using Doghouse Manhole (Greater than 12-inch Diameter Pipes)

1. Install connection in accordance with Fulton County Standard Detail 115. Please refer to Fulton County Standard Construction Details:
<https://www.fultoncountyga.gov/services/water-services/view-construction-standard-details>