

EXHIBIT C
Lake County Department of Utilities
Water and Sanitary Sewer Service Connection Procedures

A. Residential, Outside Setting

1. Application for permit must be taken out and all fees paid to the Utilities Department (350-2652) prior to any work.
NOTE: NEW PERMITS CANNOT HAVE AN INSPECTION THE FOLLOWING DAY.
2. The Department of Utilities recommends the homeowner or contractor call The Ohio Utilities Protection Service (1-800-362-2764) before installing the waterline to locate existing utilities.
3. The property owner or contractor will trench and install the line from the building to the road right-of-way, approximately 6' off the edge of pavement or between the sidewalk and the edge of the road where applicable. The line must extend beyond existing underground utilities. The location shall not interfere with hydrants, utility poles, driveways, decorative landscaping, etc. This is especially important when the existing water main is on the opposite side of the street. Copper must go under an existing utility if there is a conflict. The inspector on the job will have the final say if questions arise.
4. Copper pipe shall be type K only. Ductile iron pipe shall be class 53 minimum. Plastic pipe must be 160 psi minimum and must be copper size plastic. Line shall be 1" minimum in size. Glued joints are not permitted. All plastic lines must end with an adapter from plastic to copper and must have a #12 solid wire for a tracer wire installed above it from end to end. The contractor must supply the adapter, the tracer wire and a minimum 20' of type K copper extending a minimum 10' from building and 10' from meter vault. Meters will be outside settings for all plastic service lines and for services over 100' from the road.
5. The waterline must be 48" deep, in a separate trench and 5' away from any other utility. The trench must be 5' from any obstruction (driveway, telephone pole, etc.) and 10' from any building.
6. A copper pigtail must extend 1' above the ground in the right-of-way. All underground copper fittings shall be flared fitting type prior to the meter. Compression fitting type is acceptable after the meter for plastic and copper pipe services. A maximum of one in line fitting is allowed for setbacks of 100' and less.
7. If an existing curb box is located in the proposed driveway, it must be relocated outside the driveway.
8. Connections through building foundations must be sleeved.
9. The owner or contractor must call the Department of Utilities for inspection prior to backfilling the trench (350-2652). Inspections must be scheduled by noon the day before inspection is requested.
10. After the waterline is approved the Department of Utilities will make the tap and connect the waterline. This usually takes 10-15 working days. To verify if the tap has been complete call 440-350-2652.
11. Prior to turn-on, the well must be disconnected from the house plumbing. There cannot be any cross connections with the public water supply.
12. Eastlake residential customers- Per an agreement with City of Eastlake, an Occupancy permit is required prior to having the water turned on.
13. The water will not be turned on until all procedures are followed, and The Lake County Department of Utilities receives a request to install a meter and turn the water on at the street. A \$100 tampering fine will be levied against the property owner if the water is turned on by anyone other than the Utilities Department.
14. Attaching any ground wire or wires to any plumbing which is or may be connected to a service connection or main line belonging to the Lake County Utilities Department is forbidden.
15. All water service applications are governed by the most current Rules and Regulations governing water supply in Lake County, of which a complete copy can be obtained for a cost of \$50.00.

B. Residential, Inside Setting:

1. Application for permit must be taken out and all fees paid to the Utilities Department (350-2652) prior to any work.
NOTE: NEW PERMITS CANNOT HAVE AN INSPECTION THE FOLLOWING DAY.
2. The Department of Utilities recommends the homeowner or contractor call The Ohio Utilities Protection Service (1-800-362-2764) before installing the waterline to locate existing utilities.
3. The property owner or contractor will trench and install the line from the building to the road right-of-way, approximately 6' off the edge of pavement or between the sidewalk and the edge of the road where applicable. The line must extend beyond existing underground utilities. The location shall not interfere with hydrants, utility poles, driveways, decorative landscaping, etc. This is especially important when the existing water main is on the opposite side of the street. Copper must go under an existing utility if there is a conflict. The inspector on the job will have the final say if questions arise.
4. Copper pipe shall be type K only. Ductile iron pipe shall be class 53 minimum. Plastic pipe must be 160 psi minimum and must be copper size plastic. Line shall be 1" minimum in size. Glued joints are not permitted. All plastic lines must end with an adapter from plastic to copper and must have a # 12 solid wire for tracer wire installed above it from end to end. The contractor must supply the adapter and a minimum 10' of type K copper extending a minimum of 10' from meter vault. Meters will be outside settings for all plastic service lines, services which must be tapped and for services over 100' from the road.
5. The waterline must be 48" deep, in a separate trench and 5' away from any other utility. The trench must be 5' from any obstruction (driveway, telephone pole, etc.) and 10' from any building.
6. A copper pigtail must extend 1' above the ground in the right-of-way. All underground copper fittings shall be flared fitting type prior to the meter. Compression fitting type is acceptable after the meter for plastic pipe services. A maximum of one in line fitting is allowed for setbacks of 100' and less.
7. If an existing curb box is located in the proposed driveway, it must be relocated outside the driveway.
8. Connections through building foundations must be sleeved.
9. Inside connections require the owner or contractor to set the meter spread with valves on the upstream and downstream sides of the meter (1" meter = 16' spread).
10. All inside meter settings must be 2' above floor level in a horizontal position and in an accessible place for a meter reader or for a repair. A drain with sufficient capacity to carry off all water from a leaking meter or meter setting is recommended to prevent damage to property. The Lake County Utilities Department is not responsible for damages caused by water leaking from a meter or meter setting.
11. The owner or contractor must install a remote read wire- 22 gauge 2 strand (thermostat wire) from the meter to the outside of the building in order for the Utilities Department to set a remote read meter.
12. The owner or contractor must call the Department of Utilities for inspection prior to backfilling the trench (350-2652). Inspections must be scheduled by noon the day before inspection is requested.
13. Eastlake residential customers- Per an agreement with City of Eastlake, an Occupancy permit is required prior to having the water turned on.
14. The water will not be turned on until all procedures are followed, and The Lake County Department of Utilities receives a request to install a meter and turn the water on at the street. A \$100 tampering fine will be levied against the property owner if the water is turned on by anyone other than the Utilities Department.
15. Attaching any ground wire or wires to any plumbing which is or may be connected to a service connection or main line belonging to the Lake County Utilities Department is forbidden.
16. All water service applications are governed by the most current Rules and Regulations governing water supply in Lake County, of which a complete copy can be obtained for a cost of \$50.00.

C. Commercial/Industrial Water Service Connection Procedures

1. Application for permit must be taken out and all fees paid to the Utilities Department (350-2652) prior to any work.
NOTE: NEW PERMITS CANNOT HAVE AN INSPECTION THE FOLLOWING DAY.
2. The Department of Utilities recommends the owner or contractor call The Ohio Utilities Protection Service (1-800-362-2764) before installing the waterline to locate existing utilities.
3. The property owner or contractor will trench and install the line from the building to the road right-of-way, approximately 6' off the edge of pavement or between the sidewalk and the edge of the road where applicable. The line must extend beyond existing underground utilities. The location shall not interfere with hydrants, utility poles, driveways, decorative landscaping, etc. This is especially important when the existing water main is on the opposite side of the street. Copper must go under an existing utility if there is a conflict. The inspector on the job will have the final say if questions arise.
4. Copper pipe shall be type K only. Ductile iron pipe shall be class 53 minimum. Plastic pipe must be 160 psi minimum and must be copper size plastic. Glued joints are not permitted. All plastic lines must end with an adapter from plastic to copper. The contractor must supply the adapter and a minimum 10' of type K copper. The water department will make the plastic to copper connection. Meters will be outside settings for all plastic service lines, services which must be tapped and for services over 100' from the road.
5. The waterline must be 48" deep, in a separate trench and 5' away from any other utility. The trench must be 5' from any obstruction (driveway, telephone pole, etc.) and 10' from any building.
6. A copper pigtail must extend 3' above the ground in the right-of-way. All underground copper fittings shall be flared fitting type and plastic fittings shall be compression fitting type. A maximum of one in line fitting is allowed for setbacks of 100' and less.
7. If an existing curb box is located in the proposed driveway, it must be relocated outside the driveway.
8. Connections through building foundations must be sleeved.
9. Inside connections require the owner or contractor to set the meter spread with valves on the upstream and downstream sides of the meter (1" meter = 16' spread).
10. All inside meter settings must be 2' above floor level in a horizontal position and in an accessible place for a meter reader or for repair. A drain with sufficient capacity to carry off all water from a leaking meter or meter setting is recommended to prevent damage to property. The Lake County Utilities Department is not responsible for damages caused by water leaking from a meter or meter setting.
11. The owner or contractor must install a remote read wire - 22 gauge 2 strand (thermostat wire) from the meter to the outside of the building in order for the Utilities Department to set a remote read meter. The Utilities Department will specify the location of the remote read meter.
12. The owner or contractor must call the Department of Utilities for inspection prior to backfilling the trench (350-2652). Inspections must be scheduled by noon the day before inspection is requested.
13. After the waterline is approved the Department of Utilities will make the tap and connect the waterline. This usually takes 4-5 working days.
14. Prior to turn-on, the well must be disconnected from the building plumbing. There cannot be any cross connections with the public water supply.
15. Eastlake commercial/Industrial customers- Per an agreement with City of Eastlake, an Occupancy permit is required prior to having the water turned on.

16. For all services regardless of size, other than single family residential, a site utility plan and profile prepared by an Ohio registered Professional Engineer and a set of building plans must be submitted for approval and calculation of fees. Fire Department approval is required on all plan submittals.
17. For services of 2" or greater, contractor provides the following:
 - a. All piping and appurtenances from the corporation stop to the building including meter assemblies.
 - b. All excavation and backfilling
 - c. Restoration to original condition
 - d. Road crossings (open cut, bore or push)
 - e. Tapping sleeve and valve or cut-in tee for 4" services and greater
 - f. A valve and box in the right-of-way before and independent of the meter assembly
 - g. A 1 ½" meter will be required on a 2" service when specified by the Utilities Department's plan review.
18. 2" and larger taps must be scheduled with West End Service Center (918-3416) a minimum of 48 hours in advance.
19. Commercial/Industrial meters may be set inside if less than 100' setback from service right-of-way line.
20. Commercial/Industrial applicants must complete a Department of Utilities issued backflow/cross connection questionnaire. NOTE: water service will not be turned on until the form is complete and the specified backflow device is installed and approved by the Department of Utilities.
21. The water will not be turned on until all procedures are followed, and The Lake County Department of Utilities receives a request to install a meter and turn the water on at the street. A \$100 tampering fine will be levied against the property owner if the water is turned on by anyone other than the Utilities Department.
22. Attaching any ground wire or wires to any plumbing which is or may be connected to a service connection or main line belonging to the Lake County Utilities Department is forbidden.
23. All water service applications are governed by the most current Rules and Regulations governing water supply in Lake County, of which a complete copy can be obtained for a cost of \$50.00.

D. Residential Gravity Sanitary Sewer Service Connection Procedures

1. Application for permit must be taken out and all fees paid to Utilities Department (350-2652) prior to any work. A permit will not be issued until the rough plumbing has been approved by the building department and the floor slab is poured or the roof is on the building.
2. The Department of Utilities recommends the homeowner or contractor call The Ohio Utilities Protection Service (1-800-362-2764) before installing the sanitary sewer, to locate existing utilities.
3. The contractor will trench and install the line from the sewer main or lateral connection to the building. The location shall not interfere with hydrants, utility poles, driveways, decorative landscaping, etc. This is especially important when the existing sanitary sewer main is on the opposite side of the street. The inspector on the job will have the final say if questions arise.
4. Vitrified clay pipe shall meet the requirements of ASTM C-700 E.S.; ductile iron pipe shall be class 52 minimum; plastic pipe must be SDR-26 minimum. Glued joints are not permitted for gravity sewer construction. Minimum pipe size is 6-inch at 1% slope to within 5' of the building.
5. The sanitary sewer must be in a separate trench and 5' away from any other utility. The trench must be 5' from any obstruction (driveway, telephone pole, etc.) and 10' from any building.
6. Outside cleanouts are not allowed. Install a manhole where access to the sewer line is needed for maintenance purposes.
7. Test tees shall be field located as directed by the inspector.

8. All sanitary sewer service applications are governed by the most current Utilities Department Rules and Regulations, which can be viewed on the internet or a complete copy can be obtained for a cost of \$50.00.

E. Commercial/Industrial Gravity Sanitary Sewer Service Connection Procedures

1. Application for a permit must be taken out and all fees paid to the Utilities Department (350-2652) prior to any work. A permit will not be issued until the rough plumbing has been approved by the building department and the floor slab is poured or the roof is on the building.
2. The Department of Utilities recommends the owner or the contractor call the Ohio Utilities Protection Service (1-800-362-2764) before installing the sanitary sewer to locate existing utilities.
3. The contractor will trench and install the line from the sewer main or lateral connection to the building. The location shall not interfere with hydrants, utility poles, driveways, decorative landscaping, etc. This is especially important when the existing sanitary sewer main is on the opposite side of the street. The inspector on the job will have the final say if questions arise.
4. Vitrified clay pipe shall meet the requirements of ASTM C-700 E.S. Ductile iron pipe shall be class 52 minimum. Plastic pipe is not allowed. Minimum pipe size is 6-inch at 1% slope to within 5" of the building.
5. The sanitary sewer must be in a separate trench and 5' away from any other utility. The trench must be 5' from any obstruction (driveway, telephone pole, etc.) and 10' from any building.
6. Outside cleanouts are not allowed. Install a manhole where access to the sewer line is needed for maintenance purposes.
7. Test tees shall be field located as directed by the inspector.
8. All sanitary sewer service applications are governed by the most current Utilities Department Rules and Regulations, which can be viewed on the internet or a complete copy can be obtained for a cost of \$50.00.