



LAKES REGION SANITARY DISTRICT

25700 West Old Grand Avenue Ingleside, Illinois 60041-8524

Phone: 847-973-8940 Fax: 847-973-2985

RESIDENTIAL SEWER SERVICE CONSTRUCTION SPECIFICATIONS **CONTRACTOR'S COPY**

BOARD OF TRUSTEES

James A. Raihle
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DISTRICT MANAGER

Mohammed M. Haque, P.E.

FINANCIAL MANAGER

Gary L. Bogolin

O&M MANAGER

Kevin R. Hausherr

ATTORNEY

Charles W. Smith
Smith & LaLuzerne, Ltd.

ENGINEER

Marcia A. McCutchan, P.E.
RHMG Engineers, Inc.

(NON-RESIDENTIAL CONNECTION REQUIREMENTS VARY – PLEASE ASK!)

Before you dig:

1. Surety Bond. \$5,000.00 for a single connection, \$10,000.00 for multiple connections during the period of the bond. The signed original must be in our office.
2. **48 hours notice** is required to schedule an inspection. Inspections are made between 8:00 AM and 4:00 PM, Monday thru Friday except District holidays. **NO WEEKEND INSPECTIONS.** Notify the District if a scheduled inspection is to be canceled.
3. If digging in any road is required, contractor must contact the appropriate Road Commissioner or LCDOT for permit requirements.

Materials:

1. 6-inch diameter **SDR-21 PVC** with ASTM D2241 joints. 4-inch diameter pipe may be used only when the existing tee or wye is 4-inch.
2. Service connections on existing sewers shall utilize tee saddles with stainless steel straps and fittings.
3. Bed all pipe on 4 inch minimum bedding material consisting of CA-6, sand, pea gravel or equal material.
4. Backfill per District Standard Detail (CA-6 to 12 inches over pipe).

Construction:

1. All service connections shall be laid in a straight line. All changes in direction shall be made with cleanouts or at manholes. **NO** 90 degree bends. Use 18 inches minimum between 45 degree bends. Pipe is to be laid on a true grade of not less than 1/8 inch per foot. (1 %)
2. At least one cleanout is to be installed on each service line, outside any structure. Additional cleanouts are required every 80 feet.
3. The interior of the sewer pipe shall be cleaned of all dirt, joint compound and superfluous material as the work progresses. The trench shall be dewatered.
4. Service connections shall have a minimum of 30 inches of cover in un-paved areas and 48 inches of cover in paved areas or under curbs.
5. No water pipe, drain tile connection or any other type of underground utility connection shall be laid in the same trench excavation as the sanitary sewer pipe.
6. Any service connection made directly into the main must be made with a clean round hole. No debris shall fall into main when connection is being made. A District representative must be present when the main is cored.
7. **All manholes shall be cored and booted.** If a connection is made to an existing manhole where the invert of the new line will be greater than 2 feet above the existing manhole invert, an **exterior** drop manhole connection shall be constructed. (Ask for LRSD Standard Detail)
8. No sump pump, footing drain, gutter or down spout shall be connected to the sewer, nor shall discharges from such be permitted within 10 feet of the trench excavation.
9. Sewer service locations shall be marked in the curb. (Ask for LRSD Standard Detail).
10. All sewer connection trench openings shall be protected by barriers. Traffic control shall be provided when working within a roadway ROW.
11. All drain tiles encountered shall be restored to their original condition.
12. When work is completed, all surplus material, debris, dirt, etc., shall be removed and the work area restored to its original condition or better.
13. For the new connection of an older structure, where a septic tank was previously employed, the septic tank must be pumped out and either crushed and/or filled with sand and inspected by the District, and the septic tank pump ticket presented before final approval will be granted.
14. Direct connection to a sewer main or interceptor may require ejector pumps, check valves and crock assembly; and shall be reviewed on a case-by-case basis by the District to determine connection requirements. (Ask for LRSD Standard Detail)

NO CONNECTION to the Lakes Region Sanitary District's sewer system shall be made without a LRSD representative being present at the time the actual connection is made, nor shall any portion of the line be backfilled or covered in any manner until the work has been inspected and approved.