

**LITTLE ROCK DISTRICT/CIRCLE PINES WASTEWATER
TREATMENT AND COLLECTION PROJECT
SUMMARY OF ESTIMATED COSTS**

SANITARY SEWER COLLECTION:

Estimated Construction Costs:	\$3,785,000
Estimated Sewer Construction Contingency:	\$ 378,500
Estimated Engineering Costs:	<u>\$ 302,800</u>
Estimated Sewer Extension Subtotal:	\$4,466,300

SANITARY SEWER TREATMENT:

Estimated Construction Costs:	\$2,658,000
Estimated Construction Contingency:	\$ 266,000
Estimated Engineering Costs:	<u>\$ 213,000</u>
Estimated WWTF Subtotal:	\$3,137,000

Estimated Total Improvement Costs: \$7,603,300

(Excerpt from Preliminary Engineering Report)

Facility Sizing (Capacity)

The facilities proposed in this Plan would be located within the right-of-way of the Reservation's roads and on Tribal Trust Lands. Sanitary sewer mains shall be sized to adequately collect the sanitary sewer from the development. A combination of two sanitary lift stations with forced main, and gravity sewer will be required to serve the 47 existing homes.

The wastewater treatment facility will be on Tribal Trust Lands lying approximately 0.5 miles SE of the existing Circle Pines Housing Development in the Little Rock District of the Red Lake Reservation. It is being sized for 200 homes with approximately 47 homes making up the Circle Pines development being hooked into as part of this initial project.

Approximately 75 more existing homes in the area are expected to be hooked into the system as part of a future extension of this community sewer system within the next 3-4 years. In addition, 1 or 2 more new housing expansions near the existing Circle Pines development are anticipated within the next 5-10 years, likely adding another 30-60 homes to this system. In recent years, the Little Rock District has been seeing 5-10 homes per year being added in areas a couple miles to the east of this project and lying east of Little Rock Creek.