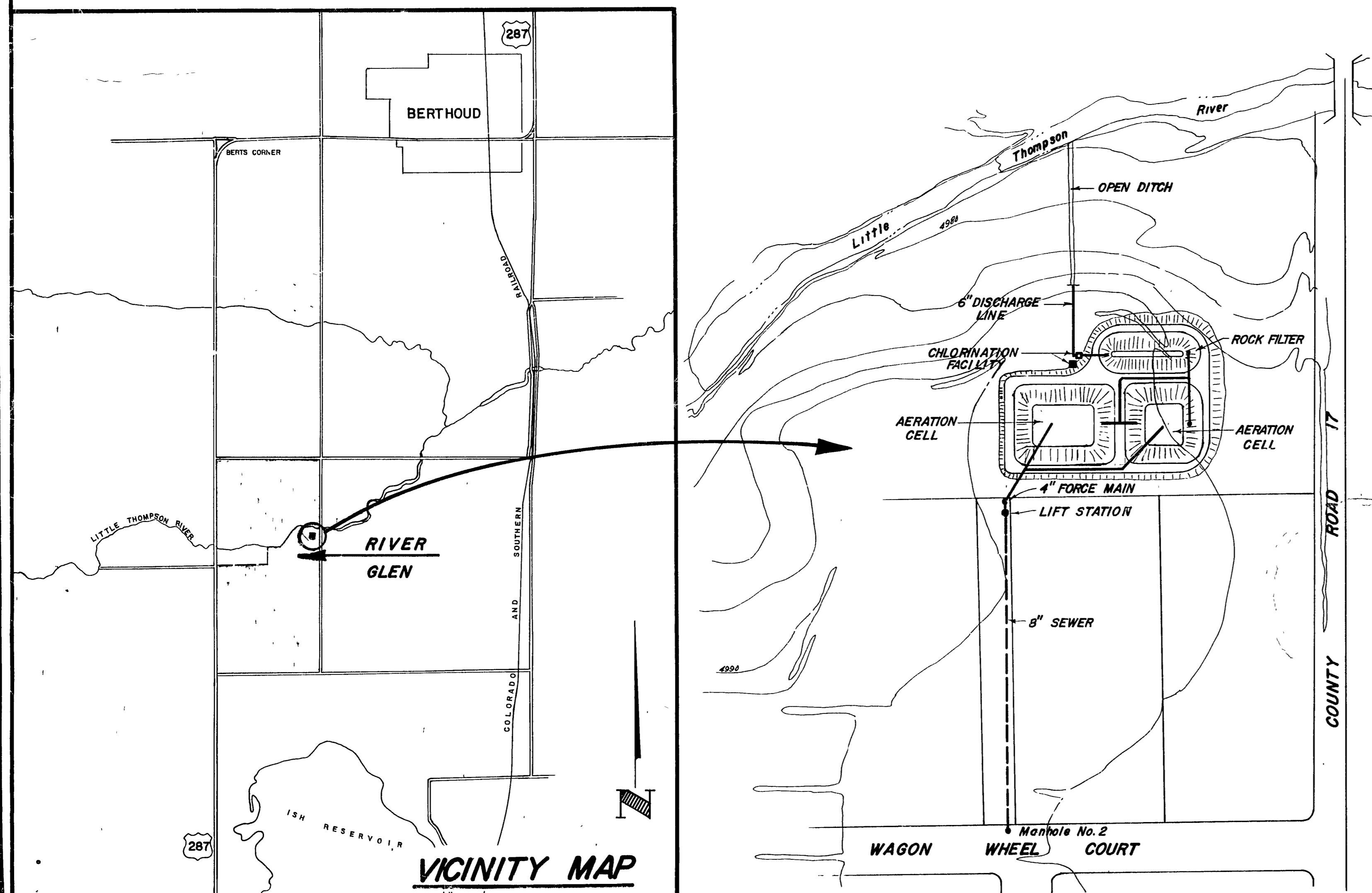


**WASTEWATER TREATMENT FACILITY IMPROVEMENT
PLANS
FOR
RIVER GLEN SUBDIVISION
LARIMER COUNTY, COLORADO**

NOVEMBER, 1974



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SHEET	TITLE
1.	COVER SHEET & VICINITY MAP
2.	SITE PLAN & HYDRAULIC PROFILE
3.	SETTLING BASIN & ROCK FILTER DETAILS
4.	CHLORINATION DETAILS
5.	LIFT STATION DETAILS

Lots to be served: 61
 Assume: 3.5 persons / dwelling
 $PE = 61 \times 3.5 = 213.5$
 Assume 125 gpd / person
 $\therefore Q_{avg} = 213.5 \times 125 = 26,687.5 \text{ gpd}$
 $= 18.53 \text{ gpm}$

$$Q_{peak} \text{ (GPM)} = \left[\frac{S}{P\%} (80) + 50 \right] [P \times 0.69]$$

$$P = PE / 1000 = \frac{213.5}{1000} = 0.2135$$

$$Q_{peak} = \left[\frac{S}{P\%} \times 80 + 50 \right] [0.2135 \times 0.69]$$

* Use 1 as minimum

$$Q_{peak} = 66.29 \text{ gpm}$$

470.71
 37
 23.31