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EACH STEP OF THE TREATMENT PROCESS MUST HAVE A CAPACITY OF .6 GAL. PER MIN. (GPM)

THE RAW WATER PUMPS MUST BE ABLE TO PUMP .6 GPM WITH THE LARGEST PUMP OUT OF SERVICE.

WE HAVE 3 PUMPS WHICH PUMP 75 GPM, AND 1 PUMP WHICH PUMPS 125 GPM.

SO, WE HAVE A NET CAPACITY OF 225 GPM.

SO, $.6 \text{ GPM} \times 300 \text{ CONNECTIONS} = 180 \text{ GPM}$ IS REQUIRED CAPACITY.

ALSO, $.6 \text{ GPM} \times N (\# \text{ OF CONN.}) = 225 \text{ GPM}$

$$N = \frac{225}{.6}$$

$N = 375$ CONNECTIONS WHICH WE COULD SERVE.

THE CLARIFIER MUST COMPLY WITH THE $.6 \text{ GPM} \times N$, ALSO.

THE CURRENT CLARIFIER IS RATED AT 200 GPM,

BUT IT CAN'T MAINTAIN THAT FLOW, SO WE

PLAN TO CONVERT THE GREEN TANK WHICH WOULD

PROVIDE THE CAPACITY WE NEED. THE PRELIMINARY

ESTIMATE WE HAVE BEEN USING FOR A COUPLE

YEARS (\$400,000) SHOWS UP ON PAGE 1.

THE SIEMENS TREATMENT UNITS HAVE A CAPACITY OF 100 GPM, EACH. TOTAL CAPACITY OF 200 GPM.

FOR 300 CONNECTION WE NEED 180 GPM.

IF WE ADD ANOTHER UNIT, THAT INCREASE CAPACITY

TO 300 GPM, WHICH WOULD ACCOMMODATE

500 CONNECTIONS

THE ESTIMATE FOR THE ADDITIONAL UNIT IS \$350,000