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CITY OF MOUNTAIN VIEW

INTER-OFFICE MEMORANDUM

DATE: March 5, 1964

TO: John T. O'Halloran, City Manager

FROM: A. M. McKinnon, Director of Public Works

RE: SEWAGE LIFT STATION; FAIRCHILD DRIVE AT WHISMAN ROAD

The present lift station at the southeast corner of Fairchild Drive and Whisman Road is equipped with two 3 H.P. motors and two 250 g.p.m. pumps. This lift station pumps sewage from the Ellis-Middlefield Area into the Evandale Avenue-Terra Bella Avenue Interceptor Sewer, which then flows by gravity to the Sewage Treatment Plant via the Stierlin Road Trunk Sewer.

The lift station was designed for each pump to operate alternately. Also, in case of a pump failure or temporary peak in the sewage flow, the second pump would go into operation. Because of the growth of industry in the area, and particularly as a result of the construction of the latest addition to the Fairchild Semiconductor Co., we find the pumping station now overloaded.

Recent checks show that during the regular work week one pump operates continuously for 24 hours per day during two days and 18 hours per day for the remaining three days. The second pump is in operation for 16 hours per day for the entire five-day period. It is obvious from these figures that one pump can no longer handle the sewage. Consequently, if a pump were to fail we would be in trouble.

The quickest and most economical procedure to correct this deficiency is to replace the motors in the station with larger (7½ H.P.) motors and replace the impellors in the pumps with larger impellors. Miscellaneous auxiliary items would also have to be replaced, such as seals, breakers, starters, etc. We are informed by the representative of the manufacturer of these stations that he can make these replacements, including installation (except for lowering motors into the station) for approximately $1,738. These changes would increase the capacity of each pump from 250 g.p.m. to 500 g.p.m.

In my opinion it is imperative that steps be taken at once to correct this situation. It is requested, therefore, that the sum of $2,000 be authorized from the Sewer Revenue Fund to modify the pumps and motors in the lift station as described above.

A. M. McKinnon

A. M. McKINNON

pc
City Attorney
Dir. Finance
Asst. Dir. Public Works
Dir. Public Works
Kirkup
Downs
Lampert
F/y

AGENDA