

J. KENNETH FRASER AND ASSOCIATES

Consulting Engineers

516 WASHINGTON AVENUE

RENSSELAER, N. Y.

TELEPHONE HO 3-8875

November 26, 1962

Town Board
Town of Guilderland
Town Hall
Willow Street
Guilderland, New York

Attention: Mr. John E. King, Supervisor

Subject: McKownville Drainage
Quadrini Property

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Gentlemen:

This problem has been discussed on many occasions, going back to the early part of 1956. The last estimates of cost were discussed at a meeting in the McKownville Fire House on September 13, 1961, at which time the so-called short route from Millerest Avenue to the Creek was estimated to cost approximately \$22,000, while the so-called long route which generally went around the Quadrini property was estimated to cost from \$38,000 to \$39,000.

We presently have an undated plan of the Quadrini property showing the proposed location of a motel building, 40 feet wide by 350 feet long, parallel to and 50 feet from Quadrini's westerly property line.

We would like to comment first on the location of this proposed building. While elevations have not been fixed for finished grade, Mr. Quadrini advised that he proposed to establish a general grade of 1%, sloping from Western Avenue southerly. This means that a cut will have to be made in certain locations from 8 to 9 feet deep below the present surface at the rear property line of the houses facing Millerest Avenue. If a slope of 2 on 1 is provided, the toe of the slope will be approximately 18 feet from the property line. Therefore, it would appear that the building should be more than 50 feet from the property line to give proper access and parking. Similarly, any proposed sewer would have to be more than 20 feet from the property line. With the sewer in this general location there would be approximately 200 feet of length at depths varying from 16 to 18 feet.

The sewer would be 42 inches in size and could be constructed of reinforced concrete or asbestos bonded corrugated metal pipe.

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We have prepared two estimates of cost for the construction of the storm sewer from Hillcrest Avenue to the Creek. Project 1 would go around Quadrini's proposed building and would require approximately 620 feet of pipe. The cost of this line is estimated to be from \$25,000 to \$35,000. Project 1-A would extend from Hillcrest Avenue in the most direct route to the stream and would require approximately 540 feet of pipe at an estimated cost of from \$15,000 to \$20,000.

If a new line is laid from the east side of Hillcrest Avenue to the existing catch basin behind the Fire House, a distance of approximately 200 feet, we have estimated that the added cost would be approximately \$7,000. (This line will be required to complete a satisfactory drainage pattern in this area.)

The above estimates of cost include an allowance for contingencies and engineering.

The work can not be estimated more closely at this time, particularly the line involving the deep construction, as information with regard to the type of soil and elevation of ground water are not available. Also, the time of year and the work load of contractors would have considerable bearing on the cost.

We have already advised you that, in our opinion, it would be most desirable if the sewer did not go under a structure. However, it might be possible that the added cost of construction would not justify going around the proposed building.

Respectfully submitted,

J. Kenneth Fraser & Associates

By

J. K. Fraser

JKF/jmf
CC: Mr. Clark
Mr. Williams