

5. Re: Fire Protection Requirements  
Preliminary Plan Approval Application #1548  
Gulf Oil Bulk Loading Facility  
Lot "H", D.L. 31, Plan 3659

A Gulf Oil loading facility on Barnet Highway was damaged by fire on June 11, 1971. The Company subsequently requested a Preliminary Plan Approval for the replacement of one loading rack, repair of another loading rack and construction of a canopy over both installations. The latter item was the only new feature involved in the proposal.

The proposal complies with M1 Zoning District requirements, but fails to meet established standards of fire protection services that should be available at the site. The P.P.A. was therefore withheld pending agreement on the specific work that should be undertaken to satisfy Municipal and Provincial Fire Fighting Codes and Regulations.

The Provincial Fire Marshal has stipulated a clear water flow of 2,000 imperial gallons per minute as a minimum requirement, to be made available at a location suitable for firefighting from normal access points near the loading racks or within the tank farm. In compliance, the Company has executed an irrevocable letter of credit in the amount of \$50,000, thereby ensuring a commitment to extend a twelve-inch main approximately 3,150 feet from an existing municipal water main on Barnet Highway to the Company's property line, and an additional 1,000 feet across the frontage of the site. This proposal is acceptable to the Municipal Fire Chief, Planning Director, Deputy Engineer and Deputy Chief Building Inspector.

The Municipal Engineer recommends that the Municipality pay to Gulf Oil the cost of supplying and installing five fire hydrants along the route of the extended main. The hydrants are not essential to the Gulf Oil water supply system, but will benefit municipal and private properties that are located on the extension between the Company's facility and the Municipal water main terminus on Barnet Highway. The total cost of \$5,260 for the five hydrants is based on the lowest quotation which Gulf Oil received from the contracting firm of Mathias & Nicol Limited.

The Engineer advises that the main will be installed in unstable ground, and that the asbestos cement pipe which is specified by the Company's lowest tender is not the best type of pipe for such conditions. He believes that ductile iron pipe should be used, and recommends that the Municipality pay Gulf Oil the \$8,774 difference in the cost of supplying and installing ductile iron pipe. The higher quality ductile iron pipe is expected to reduce the amount of maintenance that will have to be provided in the future by the Municipal Engineering Department.

RECOMMENDATION:

THAT authorization be given for the Municipality to bear the \$5,260 cost of supplying and installing five fire hydrants and the \$8,774 difference in the cost of supplying and installing ductile iron rather than asbestos cement pipe.

APPROVED