

MCLC Self Storage Fire Protection Water Requirements

The fire suppression system has been determined to require a 500 gpm flow rate.

Currently there is a 6" water main available on Carroll's Way.

Currently there is a 12" water main available in the Edgartown Vineyard Haven Road.

There is not enough pressure as determined by onsite flow readings to the furthest hydrant to supply the necessary gallons per minute. There is enough water available in the 12" main if a supplementary fire pump is used to increase the flow rate.

The 12" line would have to be extended approximately 800'.

It is possible to use a larger pump connected to the 6" line.

It is possible to use the proposed storm water retention pond to fulfill the approximately 50,000 gallon requirement of stored water on site.

MCLC is currently evaluating the costs involved and would like the option to supply the necessary water in the most efficient way including evaluating the cost of long term maintenance of the selected systems.

The retention pond as proposed needs to have approximately 37,000 gallons of storage for storm water management. It would need 50,000 gallons for the fire suppression reserve water supply. The pond as drawn with a 5' depth holds approximately 113,000 gallons.