

laps  
aces

ve Tom Hill has  
faction with the  
turday's crazy  
e Credit River,  
ms.  
pset that some  
Glen were  
ged by traffic  
s races.

anger  
e been a fire in  
of the Glen  
truck wouldn't  
ough, unless it  
r," he charged.  
future council  
l by organizers  
s for the races.  
etter be sent to  
Jaycees, who

clerk-treasurer  
traffic was also  
rval for some  
ternoon.

ident  
he knows of one  
seven year old  
own to safety on  
when the rubber  
iding in turned

water flow in  
fastest they've

ise  
- 5 P.M.

lers offering  
se including  
merchandise,  
s. Add to all  
0 sq. ft. and  
e Furniture,  
n the North

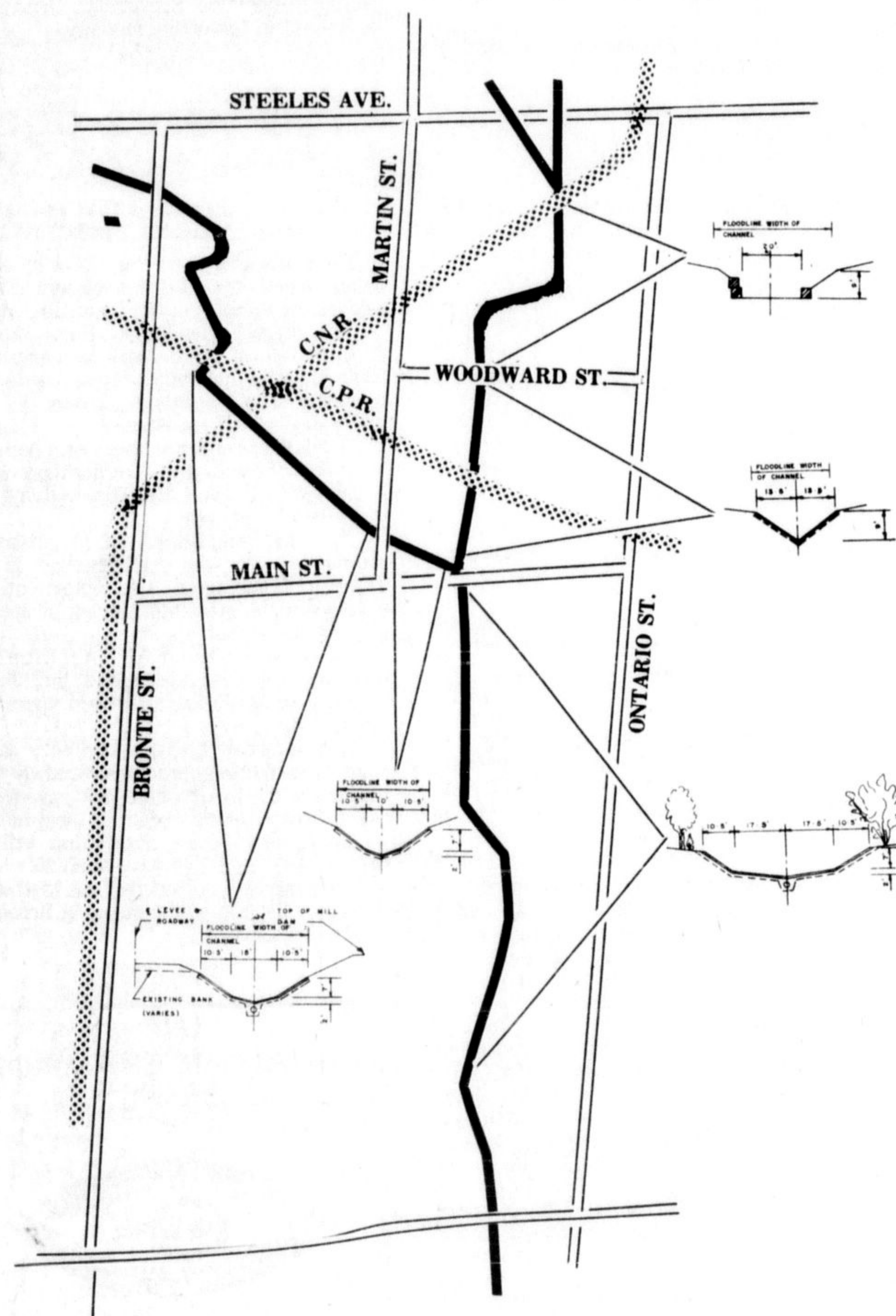
ashrooms —  
yers 50c car

H Hamilton  
inney, Prop.



The lazy, meandering, sometimes violent Sixteen borders Centennial and Rotary Parks as one branch flows toward a junction just north of Main St. Here the stream flows under the pedestrian bridge that connects Rotary and Centennial park areas. This area is to be cement-lined and a bank is to be raised according to a flood control report.

—(Staff Photos by D. O'Reilly and J. Jennings)



An indication of the full scope of the flood control project is seen on this map which details the treatment to be given the stream as it flows through the various areas of the town. Generally a cement-lined waterway will result when the project is completed over the next three to five years. It is designed to cope with the full force of a Hurricane Hazel equivalent over this particular watershed. The map is not to scale.

# Cement channel for Sixteen in current flood control plan

A massive face-lifting is quietly underway on the water courses through Milton, including the historic Sixteen Mile Creek. Within five years the sometimes quiet, sometimes violent, meandering stream will be converted to an efficient, smooth, cement-lined drainage route, destined to carry the worst nature can produce — the equivalent of a Hurricane Hazel centred over this drainage area.

This year phase one is to be undertaken in the area from Main St. north to the CPR and on the other branch from Main St. to Martin St. Creek improvements are to be undertaken in the Oak to Parkway Drive area as well, that will entail straightening of the now-twisting stream.

Milton Council gave its blessing to the phasing and the project last year. The total expenditure will exceed the \$1,200,000 mark. The town's share for the total project was estimated at \$513,000 in 1971 with actual expenditures phased as construction progresses. The town's latest capital budget provides for \$200,000 in 1973, \$100,000 in 1974 and \$75,000 in 1976. Calling bids and implementation of the work is handled by the Halton Region Conservation Authority which will receive grants from the province on the work and payments from the town.

Authors of the design are Philips Planning and Engineering Ltd. Their report of 1970 sets out the plans for the stream that slices through the heart of the town.

When the final or fourth phase of the project is completed, possibly in 1974 or 1975, cement-lined channels ranging from 27 feet to 58 feet wide and up to nine feet deep will encase the creek, from near the old town boundary at the south to the old CNR line in the north.

Estimated cost of this year's major project is \$258,000 which does not include any costs for acquisition of land, surveys, legal fees or interest on borrowing. The town is responsible for 95 per cent of the 45 per cent for which the Halton Region Conservation Authority is assessed. The provincial government grant is 55 per cent on the total.

Plans for phase one, in the area just north of Main St., call for a cement-lined channel between Main and Martin St. on the stream leading to the Centennial Park area. The 31 foot wide channel would be seven feet deep. The report notes that concrete is the most practical liner because of the width restriction in the area where the stream passes the Supersweet Mill buildings.

Where the two branches of the stream meet, just north of Main St., the report suggests the need for "streamlining" the flow to avoid erosion, ice jams, flooding and turbulence. The stream leading to the CPR culvert, near the Curling Club, is also to be concrete lined and the CPR culvert itself, as well as the culvert under Millside Dr., are to be enlarged. The concrete-lined channel in this area is proposed to avoid erosion. It would be a sharp V shape 27 feet wide at the top to a depth of 9 feet.

Creek improvements proposed from Oak

St. to the Parkway Dr. area would include straightening in this year's phase one. In phase two, scheduled for possibly 1973, the stream would be channelized with a 56 foot wide concrete channel sloped in two stages to a total depth of seven feet. This type of channel would run from just south of Parkway Dr. to north of Main St. according to the report on the project.

The report notes that the lining of the channel, generally within its present width and lowering the bed by as much as five feet, would reduce the regional flood level by two to three feet.

Pointing to investigations into using rock filled gabions instead of the concrete lining for the stream, the engineers found the roughness of the channel would require a greater width of 50 feet at the bed and a top-of-the-bank width of 70 feet, compared with 35 feet and 56 feet respectively for the concrete lined channel.

Phase one of the project will also possibly include a new intake control for the mill pond in Centennial Park.

Phase three of the project would be on the west branch of the Sixteen, bordering Centennial and Rotary Park from Martin St. and westward to the CNR. This phase is currently scheduled for 1973 at an estimated cost of \$19,000.

Here the stream bank would be raised and the channel concrete lined to "protect the toe of the dam" and improve the hydraulic efficiency. The channel would be 36 feet wide and 7 feet deep.

The report warns that unless intake controls are installed on the mill pond a flood could endanger the earth bank that

contains the mill pond. It notes that the six foot by nine foot outlet which once drained water to develop power at the pond is the spillway in Centennial Park. The embankment and an intake gate are recommended.

Phase four of the project would be on the area from the CPR culvert north to Woodward St. and on to the CNR.

The area south of Woodward St. would be a continuation of the cement-lined channel. In that section the sharp V section channel would continue at a width of 27 feet at the top with a depth of nine feet at its centre.

North of Woodward Ave. the channel would be gabion lined at a 20 foot width with a flat bottom as it passes River Place Cres. homes. Sloped banks leading from the gabions would produce an eventual nine foot depth for the water course.

Possible diversions of water into the stream are also considered in the report. Reference is made to the storm sewer currently under construction from Ontario St. entering the stream just north of the CPR culvert above the Curling Club.

The report notes the 96 inch line will collect only storm water from Ontario St. and the development area. It parallels the CPR right of way.

In a motion adopting the phasing of the project, passed by Milton Council March 15, 1971, it was required that no Ontario St. creek diversion would be undertaken prior to completion of the channelization program. The creek diversion was also considered in the report. It would cross from Ontario St. entering the stream just south of the old CNR line.



Twisting south, the stream passes the pedestrian bridge at Parkway Dr. In this area the stream is to be straightened as it flows through the Sixteen Valley that slices through the town. A small town-owned park in the area has been left in its natural state and is a haven for birds and small wildlife.



Mighty trees border the river as it passes back of Evergreen Cemetery in lowlands bordering the town's sewage treatment plant. Flooding in the area has often occurred in this section of the stream. The project will produce a cement-lined drainage route about 54 feet wide and nine feet deep at its central point along this area.