Report Urges Milton Annexation

to the present time, the annual The important point here is that, meter pipe, the resulting head loss 14 hours after being drawn up for a supply taken from Crawford for obtaining water from Lake rate of increase has been approx- while we have some vacant residen- is approximately 80' (40 P.S.I.) and, 10 hours at the maximum rate of Lake imately 500 persons per year. The tial land, we have comparatively no considering the elevation of Mil- flow. This means that in order to sudden change of rate from 68 to industrial land, either to comple- ton with respect to the reservoir, satisfy these requirements, there 500 persons per year can possibly ment the expected residential in- there is an available head of 175' ton, in common with other towns favourable balance. in this area, became a dormitory If 100 gallons of water per day is to 85' - 135' (38 P.S.I. - 60 P.S.I.), tion to the increase in staff these plants.

It is possible that yet another trend will emerge due to the opening of the St. Lawrence Seaway and completion of Highway 401 through to this point, which will counter the effect of the reduction in work force at Avro and Orenda and provide a rate of increase ment the water supply. at least as great as over the past six years.

1969 will be at least 10,500 persons and if growth is properly planned mediate steps to augment the water during that period, we should ar- supply. rive at a much more favorable balance of assessment than at the pre- action which will improve the present time. On this basis, Milton will sent unfavorable situation. need at least twice its present re- SECTION 6 sidential acreage. However, the pre- Water sent population density of 5.9 persons per assessed acre is approaching twice the average population Wells density of towns similar in character to Milton. Working on a population density of, say, 3 persons per acre and a figure of 10,500 in 1969, the total acreage requirement would be approximately 3,500 acres. But, as has already been shown, the population trend could easily jump to seven times its present rate and an estimate of twice the required acreage working on the present

SECTION 4

Sewage The present sewage disposal plant has a capacity for 7,000 persons based on a per capita requirement

rate of increase is not unreason-

of 83 Imperial Gallons per day. The plant also permits enlargement to cater for an additional 4,000 persons, thus having a total capac- tank by gravity to the Town. The an apparent surplus of 156,000 gality for 11,000 persons. This would elevation of this tank is 850'. cater for the projected population

of 10,500 in 1969. further extensinos in other areas of the town, due to the necessity 650'.

for catering for topography of the drawn up for reference purposes during town planning.

SECTION 5

Vacant Lands From Section 3 "POPULATION", it will be seen that the population of Milton could increase to a figure of 10,500 or more by the year 1969.

mercial and parks areas. status of vacant lands in Town.

residential

ial building lots.

Let us now consider the 145 acres industrially zoned land. Of this total, 89 acres belong to parties who have expressed their intention to hold this property for future expansion; 26 acres are owned by parties who will likely impose

condition of sale due to inaccessibility of the land and the necessity of selling in conjunction with land outside the Town boundaries; 20 acres are unsuitable due to the CONCRETE, CINDER, SLAG character of the terrain; and there are 5 acres upon which no information is available.

This leaves a total of 5 acres which are suitable for industrial location and the owners have expressed their willingness to sell.

Examining the vacant residential land, and assuming a figure of 3.7 persons per building lot, and 15 persons per acre, the present vacant residential land could support

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coral, dutch blue, cottage brown.

with old broom, or rag tied to a stick

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turquoise.

ALUMINUM PAINT

From 1947 to 1953, the Annual or would suffice for a period of 2 significant pressure drop. For ex-

be explained by the fact that Mil- crease or improve the already un- 225'. Thus the net pressure head at lons per day on top of the present

allowed for the increased popu- or even lower in the poorly serincreasing in almost direct propor- demand of 106,000 gallons per day. The new 1,000,000 gallon reser-This almost uses the surplus arriv- voir should be able to relieve this ed at in Section 6 on WATER.

courses of action.

2. Allow further residential de- able head loss. velopment and take steps to aug-

3. Encourage industrial development, by annexing additional land Then the expected population in into the town; allow limited residential development and take im-

Step No. 3 is the only course of

Some facts and figures on the Deaf will probably present water supply are as follows.

Well No. 1-13 ft. deep-spring Hospital probably refed. Pumping 185 gallons a minute. Water level drops in continuous dry. spells-subject to pollution and requires chlorination. This well is generally not used since chlorination equipment has to be rented.

Well No. 2-90 ft. deep-metered G.P.D. -pumping 440 gallons a minute. Well No. 3-90 ft. deep-metered -pumping 540 gallons a minute. Same aquifer as Well No. 2.

In addition to wells No. 2 and No. safe perennial yield , there is a further well apparent- and conservative esly using the same aquifer, owned timate of use in im-

by the Leaver Company.

Water Storage (a) 50,000 gallon surge tank. Water flows from this concrete ground

(b) 1,000,000 gallon reservoir vative estimate of the supply, the constructed on the site of the old present use, and the future require-However, the location of any new reservoir at an elevation of 850', ments of two relatively large users sewage enlargements would depend with an 8" line connecting to the in the area. upon the direction of the planned 12" main at the junction of Bronte However, the following facts

We recommend that a detailed during which the results were con- 50,000 gallons per day. layout of the sewage system be fused by the uncontrolled operation of the Leaver well, indicated that a the Canadian Underwriters Assocsafe minimum perennial yield of 700 Imperial G.P.M. would be obtained. This amounts to a total of

1,008,000 gallons per day. However, since this test was performed, a meter has been fitted to Well No. 3, and daily pumping re-If the ratio of industrial to resid- cords have been kept. These re- 24 hours. In addition, they recomential assessed acreage is to be pre- cords which consist of two readings served, this increased population per day, include the rate of pump- should be duplicated as its diameter will require a residential area plus ing while the pumps are in opera- was too small to cater for combined complementary industrial, com- tion, the level of the water, and domestic and fire supplies in the the pump running times. A series town at fire pressures. The following figures were sup- of records from February 1959 to plied by Mr. Frank McNiven, the the present time were examined. Town Assessor, as to the present They indicate that pumps No. 2 and No. 3 are operating at 440 G.P.M. 1. 165 Vacant registered resident- and 540 G.P.M., respectively, with no appreciable change in water

2. 30 acres Vacant acreage zoned level from the winter reading to the readings during the present dry 3. 145 acres Vacant industrial spell. Although the pumps would have to be running continuously to 4. 5 Vacant registered commercial provide an acceptable figure, it will be realized that 700 Imperial G.P.M. 5. 20 acres Vacant zoned com- is a somewhat conservative estimate. We will, nonetheless, use this

figure in subsequent calculations. The Town Foreman, Mr. McKerr has said that the present pumping rate is 800,000 - 900,000 per day.

The limitation at the present time appears to be that the 12" main is not capable of passing the re-

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paper etc. Colours: flat white, gloss white, jonquil yellow, mint

green, bone ivory, sky blue, blossom piak, shadow grey, fall biege,

ROOF CEMENT - black, contains fibrated asbestos, can be applied

SHERMAN'S DEPT. 9

Est. 1905

(Continued from Page Nine) population increase of 1,060 persons, | quired volume of water without a rate of increase was approximate- years at the present rate of growth ample, if 900 gallons a minute is the primary supply must be such as to solve this problem. passed through 5 miles of 12" dia- to completely refill the reservoir in

the entrance to the town is reduced

situation considerably, and, provid-There are thus three alternative ed the water level in the wells is fulfill the above requirements. maintained, the town should be . Allow no further residential able to count on at least 1,200,000 gallons per day without an appreci-

Estimated Future Demands

The School for the 30,000 G.P.D.

Milton and District 12.000 G.P.D.

42,000 G.P.D.

present consumption for population of 5,100, @ 100 ..510,000 G.P.D.

Ontario Steel (Peak .300,000 G.P.D.

Giving TOTAL of852,000 G.P.D. Excess in terms of

mediate future is .156,000 G.P.D.

It will thus be seen that there is lons per day, based upon a conser-

development of the town and it may Street and Given Road. Water also should be borne in mind. The supbe more advisable to locate any flowing by gravity to the Town. ply will only suffice for a few The elevation of Milton is 625' - moderate industrial users and at the same time, at a population increase The result of a test run by the of 500 per year, there is an annual International Water Supply Ltd., increasing domestic requirement of

> In addition, as long ago as 1940, iation examined the water works system and, in their report, recommended that the reservoir capacity should be increased to 1,000,000 gallons, and that a reliable source be available for filling the reser-I voir at a rate of 575,000 gallons per mended that the supply main

The standards, as laid down by | Heating Oil the Underwriters Association for a

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in addition to normal supplies of Berry, have already assured the wells, or other areas within reason- drawn up on a detailed plan to of meters, we feel that it is a somewater. This supply must be main- writer by letter that they are pre- able distance of the reservoir. tained for a period of 10 hours and pared to help in any way possible

The writer has already made a superficial examination of this posmust be an additional 1,200,000 galsibility. The Lake is at an elevation of approximately 925 ft. It is approximately 7 acres surface area, If the supply source is reliable, and shelves very rapidly to a such as a source which fills the reservoir by gravity and is not subjected to the possibility of mechan-

ical failure, then the size of the reservoir may be reduced and still most dry at this time of the year. It is also completely closed in and 10 years. From these remarks, and the need

per day, with a peak of 300,000 A potential of at least 4,000,000 gal- spells. gallons per day. In 1958 during the per day should be aimed for, and Ontario Steel Plant shutdown, the any of the improvements which are water consumption of the balance embarked upon as a result of subof the town was observed to be sequent investigations, should be approximately 400,000 gallons per aimed at catering for this supply. day. This produced a figure of 90 This is particularly true in the case gallons per day per capita con- of supply lines where a large amount of the initial cost is in the excavation necessary.

We would then conclude the report on water with the following recommendations which amount, in some cases, to an endorsement of those made by Mr. Deacon in his 1958 Report, and upon which no

action has been taken. 1. That an investigation of alternative sources of water be made

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mixes easily with new grain as it is binned-protects it from insects for a whole year. Contains malathion-does not harm grain. 10 lbs. treats 100 bushels, costs \$2.40; 25 lb. - \$4.85; 50 lbs. - \$9.30.

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Halton Co-Operative Supplies

Milton

TR 8-2391

population of 5,000 persons, requires commencing immediately. The Other alternatives include testing | The Canadian Champion, Thursday, August 20th, 1959 that the system must be capable of Ontario Water Resources Commis- for other supplies of ground water supplying 4 standard fire streams, sion, through their Manager, Dr. in areas adjacent to the existing bution system in the Town be 6. With regard to the installation

> On the other hand, it may be more advisable to participate with One possibility in this respect is other municipalities in a scheme

> > One possibility for obtaining supply of industrial water is to dam 16 Mile Creek in the natural basin below Parkway Drive in Lot 12 which is within the present town

2. We further recommend that a proached for help in this respect. parently fed by underground 16 year plan of development and 5. As far as running further tests through taxes where meters are springs and has a surface inlet and improvement be drawn up to cater on the existing wells is concerned, not used. outlet, the surface inlet being al- for the projected population and we feel that no useful purpose will 4 Loads on purification plants,

free from the possibility of pollu- 3. We would endorse Mr. Dea- inadequate for future requirements. to cater for industrial expansion in tion. If connected by a suitable con's statement that the present the future, it is obvious that we pipeline, it could supply the present distribution system is inadequate need to commence investigations reservoir by gravity. The level of and would recommend that consult-The Ontario Steel Plant's demand immediately to acquire alternative the lake does not drop more than a ing engineers be engaged to make a for water averages 200,000 gallons primary sources of water supply. foot even during prolonged dry study of the system. In addition we would recommend that the distri-

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(a) A comprehensive map of the lem, although it has been proven

entire system (b) A larger scale map showing obtained as a result of installing

(c) Plats and cards providing in- and against the installation of metformation on valves, hydrants and ers are given as follows:-

other appurtenances. 4. If the solving of the water 1. It is only just that the consumproblem is likely to impose too er should pay in proportion to the great a burden on the Town, we amount he uses. recommend that the Ontario Water 2. Waste is diminished, resulting Resources Commission be ap- in financial saving to all.

industrial increase within the next be achieved by this, since it is re- pumps, etc., are minimised. cognized that this source will be

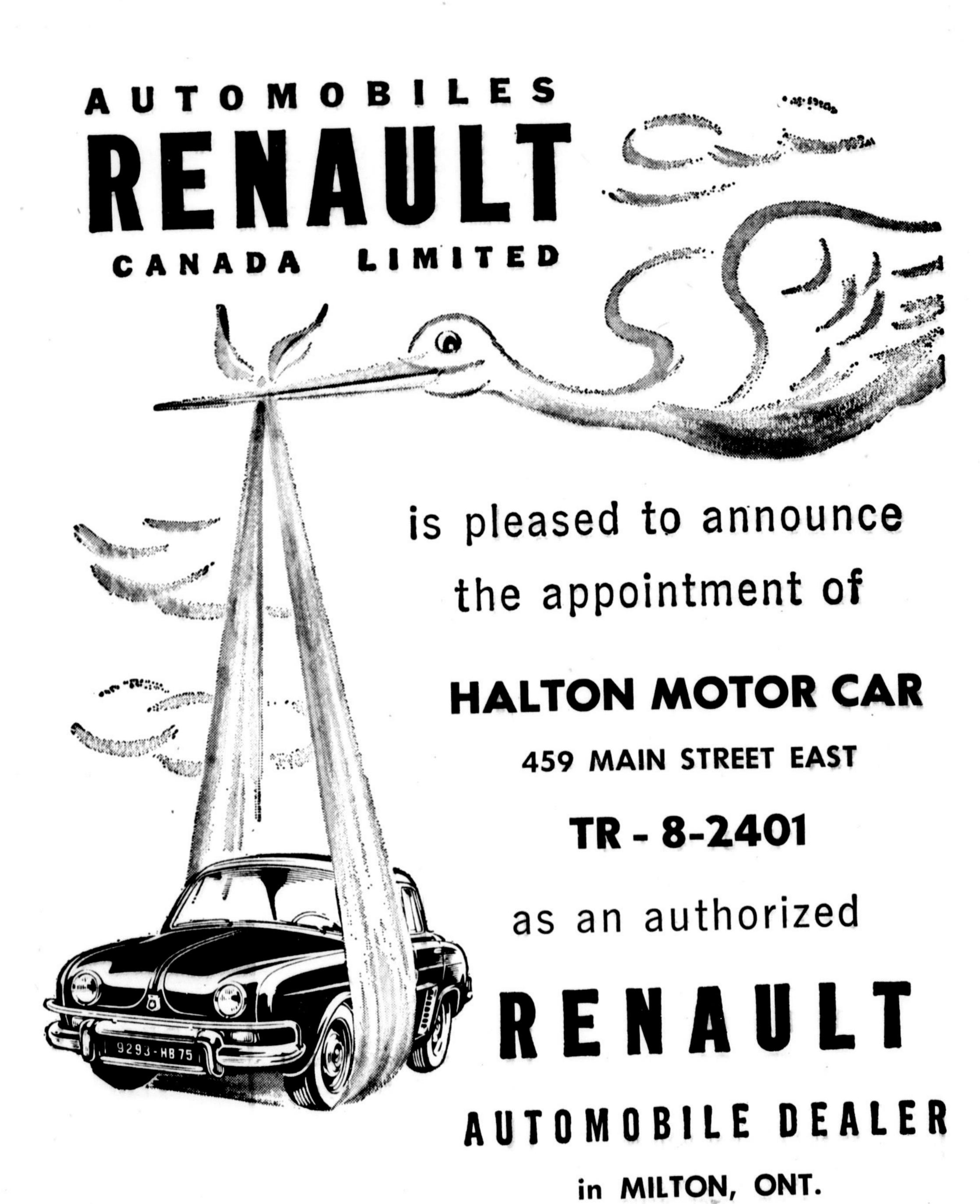
3. The poor actually pay more

5. Waste surveys are easier to

that some saving of water has been

these meters. Some arguments for





DISTRIBUTORS AND DEALERS FROM COAST TO COAST