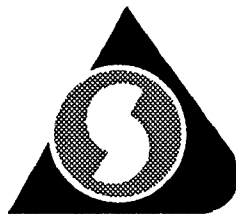


HUMPHREY DRAIN
Township of Caradoc



**SPRIET
ASSOCIATES**
ENGINEERS & ARCHITECTS
155 York Street
London, Ontario N6A 1A8
Tel. (519) 672-4100
Fax (519) 433-9351
E-mail spriet@wwdc.com

London, Ontario
September 20, 1999

HUMPHREY DRAIN

Township of Caradoc

To the Reeve and Council
of the Township of Caradoc

Reeve and Council:

We are pleased to present our report on the reconstruction and extension of the Humphrey Municipal Drain serving parts of Lots 16 to 24, Concessions 3 to 7 in the Township of Caradoc.

AUTHORIZATION

This report was prepared pursuant to Sections 4 and 78 of the Drainage Act in accordance with instructions received from your Clerk with respect to a motion of the Municipal Council.

The work on the existing Humphrey Drain was initiated by a request signed by some of the affected landowners. The extension downstream was initiated by a petition signed by the owners whose lands contain over 60 percent of the area requiring drainage. Branch 'P' was initiated by a further petition signed by the owner whose lands contain over 60 percent of the area requiring drainage.

DRAINAGE AREA

The total watershed area as described above contains approximately 1016 hectares. The area requiring drainage for the extension is described as parts of Lots 17 to 19, Concessions 6 and 7. The area requiring drainage for Branch 'P' is part of the south halves of Lots 16 and 17, Concession 7.

HISTORY

The entire Humphrey Drain was last reconstructed pursuant to a report by A.J. DeVos, P. Eng. dated June 24, 1970. The report provided for the extensive reconstruction of the main drain (including new culverts) and construction and/or reconstruction of Branches 'A' to 'W'. The work on the main drain started in the north-east quarter of Lot 16, Concession 7 and extended upstream to its head at the west edge of Lot 22 in the north half of Concession 4.

The upper portion of the drain was last reconstructed pursuant to a report submitted by A. J. DeVos, P. Eng. dated November 12, 1973, which provided for a ditch bottom cleanout of the main drain from Inadale Drive upstream to the mid point of Concession 5, and the cleanout of Branches 'D', 'H' and 'S'.

HISTORY (cont'd)

The existing Humphrey Drain consists of the following:

- Main Drain - 5350 meters of open ditch
- Branch 'A' - 274 meters of 150mm and 200mm tile
- Branch 'B' - 853 meters of 150mm to 250mm tile
- Branch 'C' - 61 meters of 150mm tile
- Branch 'D' - 213 meters of open ditch and 792 meters of 150mm and 350mm tile (*see 1970 Addendum No. 1, Dwg. 5*)
- Branch 'E' - 427 meters of 150mm and 250mm tile
- Branch 'F' - 792 meters of 150mm to 300mm tile
- Branch 'G' - 549 meters of 20mm and 250mm tile
- Branch 'H' - 588 meters of open ditch and 454 meters of 400mm tile.
This branch has been last reconstructed pursuant to a drainage report dated June 1, 1990
- Branch 'J' - 183 meters of 200mm and 300mm tile
- Branch 'K' - 853 meters of 150mm to 300mm tile
- Branch 'L' - 183 meters of 150mm tile
- Branch 'M' - 91 meters of 150mm tile
- Branch 'N' - 547 meters of 200mm and 250mm tile
- Branch 'R' - 701 meters of open ditch (*see 1970 Addendum No. 1, Dwg. No. 4*)
- Branch 'S' - 1477 meters of open ditch
- Branch 'T' - 808 meters of 150mm to 300mm tile
- Branch 'U' - 96 meters of 150mm tile
- Branch 'V' - 183 meters of 150mm tile
- Branch 'W' - 91 meters of 150mm tile

EXISTING DRAINAGE CONDITIONS AND DESIGN CONSIDERATIONS

At a site meeting with respect to the project some of the owners in the area upstream of McEvoy Road reported that water levels in the ditch remain high for extended periods of time causing their tile outlets to remain under water. They requested that the ditch be cleaned out and improved to reduce this problem and if necessary improve the ditch downstream of McEvoy Road. It was also reported that brush has grown up along the drain in some areas and should be cleared.

The owner of the south half of Lot 16, Concession 7 reported the north-east part of his property did not have a proper outlet and requested a branch drain be installed from the ditch to his fence near the west side of McEvoy Road.

EXISTING DRAINAGE CONDITIONS AND DESIGN CONSIDERATIONS (cont'd)

A field investigation, survey and review of old file information was completed and we note the following:

- that the existing Humphrey Drain across Lot 17 has silted in compared to the grade of the last report resulting in a very flat grade
- willows and brush are growing on the bank slopes and in the ditch bottom throughout portions of this section, further slowing down the flow of water
- that the ditch downstream of McEvoy Road across Lot 16 and part of Lot 15 has also silted in since the time of the last report, and the ditch bottom is now above the original Humphrey Drain grade
- that the above section is narrow and acts as a restriction at times of higher flow
- that a farm culvert in Lot 16 is vastly undersized and it seems to be contributing to the silting upstream
- that the silting of the ditch downstream of this culvert has not been as severe
- that if flooding of the ditch was to occur in Lot 15, the field level is low enough that it would not have a great impact upstream of McEvoy Road
- that if improvements to the ditch on Lot 15 were to be considered, they would have to extend at least across Scotchmere Drive, which would not be practical or cost effective
- that the existing concrete culvert on McEvoy Road is narrow and in poor condition. In consultation with the Road Authority it was decided that it be replaced
- that major portions of the ditch from the east limits of Lot 17, Concession 7 to the junction with Branch 'S' at the east limits of Lot 20, Concession 5 have become overgrown with trees and brush, are restricting flow in the ditch
- that the Township investigate the option of spraying the cut brush with a growth retardant after completion of construction. If the spraying is feasible, then the cost of such spraying shall be included as part of this report.

An informal public meeting was held and attended by some of the affected landowners to review our findings and preliminary proposals. Further input was provided by the owners at that time.

We would like to point out that there have been indications of sandy and mucky soil conditions, but no formal soil investigation has been made.

RECOMMENDATIONS

We are therefore recommending the following:

- that the portion of the Humphrey Drain across Lot 17 be improved by cleaning out the ditch bottom
- that the existing private ditch across Lot 16 be reconstructed to a lower grade and larger cross section
- that the farm culvert in the west half of Lot 16 be replaced with twin 1500mm corrugated steel pipe culverts
- that the existing concrete road culvert under McEvoy Road be replaced with twin 2000mm corrugated steel pipe culverts
- that the portion of the ditch across Lots 16 to 20, Concession 5 to 7, be cleared, grubbed and brushed
- that erosion control measures be installed or incorporated along portions of the entire Main Drain
- that a new closed drain to be known as Branch "P" of the Humphrey Drain consisting of 250mm filter plastic tile be constructed from the main drain ditch on the west side of McEvoy Road southerly to its head at the half concession line

Due to the indications of poor soil conditions we recommend that the work take place at times of low flow with enough growing season left to allow vegetation to catch and thereby stabilize exposed soil. It may be necessary to complete minor bottom cleanout in areas under maintenance approximately 1 to 2 years after completion.

The capacity of the proposed tile branch drain was designed using the Drainage Coefficient method contained in the "DRAINAGE GUIDE FOR ONTARIO", Publication 29 by the Ontario Ministry of Agriculture, Food and Rural Affairs. The Drainage Coefficient defines a depth of water that can be removed in a 24 hour period and is expressed in millimetres per 24 hours. The coefficient used for Branch "P" is 12mm per 24 hours.

The proposed work consists of approximately 1,500 lineal meters of open ditch cleanout and reconstruction including quarry stone rock chutes, bank seeding, construction of farm and road culverts and sediment basins as well as approximately 32 lineal meters of 250mm (10") filtered plastic tile including related appurtenances.

All of the proposed work has been generally designed and shall be constructed in accordance with the DESIGN AND CONSTRUCTION GUIDELINES FOR WORK UNDER THE DRAINAGE ACT.

We have reviewed the existing Schedules of Assessment for the Main Drain and Branches and found them to be out-of-date and unfair due to property splits and changes in land use, the watershed and drainage conditions. We therefore recommend that the entire drain, with the exception of Branch "H", be included as part of this report for future maintenance purposes.

ENVIRONMENTAL DESIGN CONSIDERATIONS

We are also recommending that the following erosion and sediment control measures be included as part of our reconstruction proposal to help mitigate any potential adverse impacts of the proposed drainage works on water quality and fishery habitat:

- timing of construction is to be only at times of low flow
- various sediment traps are to be constructed along the course of the drain at the locations specified on the plan and these basins are to be maintained by the Township of Caradoc annually or more often if required
- fish pools lined with field stone are to be constructed downstream of the above sediment traps
- a temporary flow check of silt fencing is to be installed downstream of the last sediment trap for the duration of the construction at the bottom end of the ditch reconstruction
- a cleanout of the ditch bottom only has been specified on the existing Humphrey Drain so that the existing bank vegetation is not disturbed. However, where the existing banks are unstable, or may become unstable, they are to be resloped and seeded as noted on the plans
- 3 meter wide grassed buffer strips between the top of the bank and any adjacent cultivated lands on both sides of the ditch are to be constructed or incorporated in accordance with the attached plans
- quarry stone rock chutes are to be constructed at surface inlet points to reduce erosion from direct surface water access into the ditch
- all work is to be completed from the north side of the ditch. any natural vegetation, brush, trees, etc. that exist on the unaffected sides of the ditch, especially the south side, should be retained to provide shade and cover
- all new tile drain outlets are to be installed with quarry stone rip-rap protection

It is to be noted that both the existing and newly vegetated banks as well as the existing natural and newly created buffer strips along each side of the ditch are permanent parts of the Main Drain of the Humphrey Municipal Drain and shall not be disturbed or destroyed.

SCHEDULES

Four schedules are attached hereto and form part of this report, being Schedule 'A' - Allowances, Schedule 'B' - Cost Estimate, Schedule 'C' - Assessment for Construction and Schedule 'D' - Assessment for Maintenance.

Schedule 'A' - Allowances. In accordance with Sections 29 and 30 of the Drainage Act, allowances are provided for right-of-way and damages to lands and crops along the route of the drain as defined below.

Schedule 'B' - Cost Estimate. This schedule provides for a detailed cost estimate of the proposed work which is in the amount of \$ 89,500.00. This estimate includes engineering and administrative costs associated with this project, including the net Goods and Services Tax.

Schedule 'C' - Assessment for Construction. This schedule outlines the distribution of the total estimated cost of construction over the roads and lands which are involved.

Schedule 'D' - Assessment for Maintenance. This schedule outlines the distribution of future repair and/or maintenance costs for portions of, or the entire drainage works.

Drawing No. 1, Job No. 98009 and specifications form part of this report. They show and describe in detail the location and extent of the work to be done and the lands which are affected.

ALLOWANCES

DAMAGES: Section 30 of the Drainage Act provides for the compensation to landowners along the drain for damages to lands and crops caused by the construction of the drain.

For those areas where there is limited disturbance of the soil, the amounts granted are based on \$ 1,250.00/ha. for tile drains and \$ 1,333.00/ha. for open drains. For those areas where the topsoil is to be stripped and relevelled upon completion, or substantial disturbance of the soil (excluding areas used for grassed waterways), the amounts granted are based on \$ 1,500.00/ha. For those areas which have excavated material levelled on them, the amounts granted are based on \$ 2,250.00/ha. These base rates are multiplied by the hectares derived from the working widths shown on the plans and the applicable lengths.

RIGHT-OF-WAY: Section 29 of the Drainage Act provides for an allowance to the owners whose land must be used for the construction, repair, or future maintenance of a drainage works.

ALLOWANCES (cont'd)

For tile drains where the owners will be able to continue to use the land, the allowance provides for the right to enter upon such lands, and at various times for the purpose of inspecting such drain, removing obstructions, and making repairs. Also, the allowance provides for the restrictions imposed on those lands to protect the right-of-way from obstruction or derogation. The amounts granted for right-of-way on tile drains is based on 20% of value of the land designated for future maintenance. Therefore, the amounts granted are based on \$ 1,250.00/ha. and are multiplied by the hectares derived from the width granted for future maintenance and the applicable lengths.

For open ditches, the allowance provides for the loss of land due to the construction provided for in the report. The amounts granted are based on the value of the land, and the rate used was \$ 6,200.00/ha. When any buffer strip is incorporated and/or created, the allowance granted is for any cultivated or potentially cultivated lands beyond a 1.8 meter width deemed to have always been part of the drain. For existing open ditches, the right-of-way to provide for the right to enter and restrictions imposed on those lands, is deemed to have already been granted.

ASSESSMENT DEFINITIONS

In accordance with the Drainage Act, lands that make use of a drainage works are liable for assessment for part of the cost of constructing and maintaining the system. These liabilities are known as benefit liability, outlet liability and special benefit liability as set out under Sections 22,23,24 and 26 of the Act.

BENEFIT liability as defined in the Drainage Act means the advantages to any lands, roads, buildings or other structures from the construction, improvement, repair or maintenance of a drainage works such as will result in a higher market value or increased crop production or improved appearance or better control of surface water, or any other advantages relating to the betterment of lands, roads, buildings or other structures.

OUTLET liability is assessed to lands or roads that may make use of a drainage works as an outlet either directly or indirectly through the medium of any other drainage works or of a swale, ravine, creek or watercourse.

SPECIAL BENEFIT liability is assessed to lands for which some additional work or feature has been included in the construction repair or improvement of a drainage works that has no effect on the functioning of the drainage works.

In addition, a Public Utility or Road Authority shall be assessed for and pay all the increased cost to a drainage works due to the construction and operation of the Public Utility or Road Authority. This may be shown as either benefit or special assessment.

lands have been assessed for outlet at lower rates than cleared lands. Also, roads, residential and commercial properties, have been assessed for outlet at higher rates than cleared farm lands.

SPECIAL BENEFIT ASSESSMENTS

In accordance with Section 24 of the Drainage Act, Special Benefit Assessments have been made against the following properties for their portion of the cost of various special works provided to them as detailed below:

<i>Property Roll Number</i>	<i>Owner</i>	<i>Type of Work</i>	<i>Special Benefit Assessment</i>
50-155-10	(J. Soetemans)	Rock chute	\$ 240.00
50-156	(G. Radford)	Rock chute	\$ 240.00
50-157	(D. McGugan)	Rock chute, culvert repair	\$ 690.00
50-134	(J. & P. DeBrum)	Culvert, hauling spoil into low area	\$2,360.00
50-136	(M. Collins)	Laneway crossing	\$ 375.00

The above special assessments shall apply for future maintenance purposes only if the item is part of the maintenance.

SPECIAL ASSESSMENT

In accordance with Section 26 of the Drainage Act, a Special Assessment has been made against the Township of Caradoc, being the increased cost to the drainage works for reconstructing the road culvert across their road allowance on the Main Drain, due to the construction and operation of McEvoy Road. The Special Assessment shall be made up of the actual cost of this work and both the final and estimated values of the Special Assessment are to be calculated as follows:

<i>Location of Crossing</i>	<i>Cost of Work (Estimate)</i>	<i>Less Equivalent Drain Cost (Fixed)</i>	<i>Plus Administration Cost (Fixed)</i>	<i>Plus Net GST and Interest (Estimate)</i>	<i>Special Assessment (Estimate)</i>
McEvoy Road	\$ 16,200	\$ 50	\$ 2,150	\$ 965	\$ 19,265

The above special assessments shall **not** apply for future maintenance purposes.

If the Township elects to perform the work themselves, the above Special Assessment shall be reduced to \$ 2,210.00. Otherwise this portion of the work shall be included in the general contract.

GRANTS

In accordance with the provisions of Section 85 of the Drainage Act, a grant may be available for assessments against privately owned parcels of land which are used for agricultural purposes. Section 88 of the Drainage Act directs the Municipality to make application for this grant upon certification of completion of this drain. The Municipality will then deduct the grant from the

GRANTS

In accordance with the provisions of Section 85 of the Drainage Act, a grant may be available for assessments against privately owned parcels of land which are used for agricultural purposes. Section 88 of the Drainage Act directs the Municipality to make application for this grant upon certification of completion of this drain. The Municipality will then deduct the grant from the assessments prior to collecting the final assessments.

MAINTENANCE

Upon completion of construction, all owners are hereby made aware of Sections 80, 82 and 83 of the Drainage Act which forbid the obstruction of, damage or injury to, and pollution of a municipal drain.

After completion, the entire Humphrey Drain and Branches (except Branch "H") be maintained by the Township of Caradoc at the expense of all upstream lands and roads assessed in Schedule 'D' - Assessment for Maintenance and in the same relative proportions until such time as the assessment is changed under the Drainage Act.

Branch "P" shall be maintained by the Township of Caradoc at the expense of all upstream lands and roads assessed in Schedule 'C' - Assessment for Construction and in the same relative proportions, with the exception that all benefit assessments be reduced by 50 percent, until such time as the assessment is changed under the Drainage Act.

The above existing portions of the drain shall be maintained in accordance with the plans and specifications contained in the report dated June 24, 1970 and its related addendum drawings No's. 4 and 5.

Special Assessments shall **not** be pro-rated for future maintenance purposes. Special Benefit Assessments shall only be prorated for future maintenance purposes, if the work assessed for special benefit is part of the maintenance.

Future repairs and/or replacements to any road or railway culvert or bridge or sub-surface road crossing shall be the responsibility of the applicable Road or Railway Authority, entirely at their cost.

Existing farm culverts shall be incorporated as part of this drain for future maintenance purposes. Future maintenance costs shall be levied two-thirds to the affected owner and the remainder shall be pro-rated over the upstream outlet assessments.

Respectfully submitted,

SPRIET ASSOCIATES LONDON LIMITED



M. P. DeVos, P. Eng.

HUMPHREY DRAIN 1999**Township of Caradoc**

In accordance with Sections 29 and 30 of the Drainage Act, we determine the allowances payable to owners entitled thereto as follows:

CONCESSION	LOT	ROLL NUMBER (Owner)	Section 29 Right-of-Way	Section 30 Damages	TOTALS
MAIN DRAIN					
4	N¼ 21	70-104-01 (H. Kustermans)	\$ 260.00	\$	\$ 260.00
5	N½ 20	70-049 (J. Toplak)	1,010.00	1,660.00	2,670.00
5	S½ 20	70-062 (Cuddy International Corp.)	70.00	200.00	270.00
5	SWPt. 21	70-061 (C. Winther)	600.00		600.00
5	SEPt. 21	70-060 (L. & T. Ford)	340.00		340.00
6	Pt.N¼ 18	50-174 (Cuddy International Corp.)	700.00	1,080.00	1,780.00
6	Pt.N¼ 18	50-175 (K. & L. Bourke)		310.00	310.00
6	N½ 19	50-176 (J. & G. Aarts Farms Ltd.)		920.00	920.00
6	SW¼ 19	70-012 (Karamac Farms Ltd.)	230.00	300.00	530.00
6	SE¼ 19	70-010 (M. & V. Veale)	630.00	1,100.00	1,730.00
6	SW¼ 20	70-010 (M. & V. Veale)	90.00	120.00	210.00
7	NW¼ 16	50-134 (J. & P. De Brum)	1,820.00	1,100.00	2,920.00
7	NE¼ 16	50-136 (M. Collins)	1,180.00	640.00	1,820.00
7	N½ 17	50-139 (D. Veale)	180.00	410.00	590.00
7	N½S½ 17	50-157 (D. McGugan)	750.00	1,680.00	2,430.00
7	S¼ 17	50-156 (G. Radford)	120.00	540.00	660.00
7	SW¼ 18	50-155-10 (J. Soetemans)	480.00	630.00	1,110.00
Total Allowances			\$ 8,460.00	\$ 10,690.00	\$ 19,150.00

Total Allowances on the Main Drain under Sections 29 and 30 of the Drainage Act **\$ 19,150.00**

BRANCH " P "

7	NE¼ 16	50-136 (M. Collins)	\$ 25.00	\$ 75.00	\$ 100.00
7	S½ 16	50-158-20 (Brunet Farms Ltd.)	20.00	50.00	70.00
Total Allowances			\$ 45.00	\$ 125.00	\$ 170.00

Total Allowances on Branch "P" under Sections 29 and 30 of the Drainage Act **\$ 170.00**

TOTAL ALLOWANCES ON THE HUMPHREY DRAIN 1999
UNDER SECTIONS 29 and 31 OF THE DRAINAGE ACT **\$ 19,320.00**

SCHEDULE 'B' - COST ESTIMATE

HUMPHREY DRAIN

Township of Caradoc

We have made an estimate of the cost of the proposed work which is outlined in detail as follows:

1500 meters of open ditch cleanout and construction (Approx. 2500m ³)	\$ 3,400.00
Levelling of excavated material including filling of low area near drain	\$ 1,050.00
Hydro seeding of ditch banks and buffer strips (Approx. 5300m ²)	\$ 2,150.00
Clearing, grubbing and brushing	\$ 17,500.00
Regrade ditch banks, backfill washouts (if necessary), supply and place quarry stone rip-rap protection (with filter blanket) as rock chutes as noted on plans (Approx. 12m ³ quarry stone required)	\$ 900.00
Two 17 meter lengths of 2000mm dia., 2.8mm thickness helical corrugated metal pipe with 125mm x 25mm corrugations Supply (with couplers)	\$ 9,400.00
Installation as new road culverts including supply and installation of quarry stone and/or broken concrete rip-rap protection at each end of pipe, removal and disposal of existing concrete culvert, supply and compaction of bedding and backfill materials (Approx. 18m ³ quarry stone required)	\$ 6,800.00
Two 10 meter lengths of 1500mm dia., 2.0mm thickness helical corrugated metal pipe with 125mm x 25mm corrugations Supply	\$ 2,800.00
Installation as new farm culvert including supply and installation of quarry stone rip-rap protection at each end of pipe, removal of existing pipe culvert, supply and compaction of bedding and backfill materials (Approx. 14m ³ quarry stone required)	\$ 2,600.00
Place 300mm cover over existing culvert	\$ 200.00
Construct stone pools	\$ 900.00
Contingencies	\$ 1,400.00
Allowances under Sections 29 and 30 of the Drainage Act	\$ 19,150.00

BRANCH 'P'

One 6 meter length of 250mm dia., 1.6mm thickness
outlet pipe (with rodent gates)

Supply \$ 75.00

Installation at tile outlet with quarry stone rip-rap
protection around pipes and across end of open
ditch (Approx. 3m³ quarry stone required)

\$ 300.00

Installation of the following perforated plastic filtered field tile:
20 meters of 250mm (10") tile

\$ 150.00

Supply of the above listed tile

\$ 225.00

One 6 meter length of 250mm dia. plastic sewer pipe

Supply \$ 100.00

Installation under laneway by open cut

\$ 400.00

Tile Connections and Contingencies

\$ 100.00

Allowances under Sections 29 and 30 of the Drainage Act

\$ 170.00

ADMINISTRATION

Interest and net Goods and Services Tax

\$ 3,365.00

Survey, Plan and Report

\$ 13,452.00

Assistance and Expenses

\$ 983.00

Supervision and Final Inspection

\$ 1,930.00

TOTAL ESTIMATED COST

\$ 89,500.00

SCHEDULE 'C' - ASSESSMENT FOR CONSTRUCTION

HUMPHREY DRAIN 1999

Township of Caradoc

Job No. 98009

September 20, 1999

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	SPECIAL BENEFIT	BENEFIT	OUTLET	TOTAL
MAIN DRAIN							
3	NW¼ 20	8.9	70-169 (H. & W. Bujnowski)	\$	\$	\$ 294.00	\$ 294.00
3	NE¼ 20	1.6	70-172 (Van Den Elzen Farms Ltd.)			53.00	53.00
4	N¼ 19	2.8	70-100 (A. Russell)			93.00	93.00
4	S¾ 19	32.6	70-120 (R. & D. Brunet)			1,076.00	1,076.00
* 4	Pt.S¾ 19	0.28	70-121 (D. Nedvidek)			13.00	13.00
* 4	Pt.S¾ 19	0.32	70-120-20 (R. Brunet)			16.00	16.00
4	N¼ 20	19.4	70-102 (A. & A. Camara)			568.00	568.00
4	S½N½ 20	20.2	70-103 (L. MacKinnon)			660.00	660.00
4	NPt.S½ 20	4.0	70-103-20 (D. & L. VanLeishout)			66.00	66.00
4	SWPt. 20	12.6	70-119 (Van Den Elzen Farms Ltd.)			414.00	414.00
* 4	SWPt. 20	0.17	70-119-05 (R. Viaene & L. Plant)			9.00	9.00
* 4	SWPt. 20	0.30	70-119-10 (Van Den Elzen Farms Ltd.)			15.00	15.00
4	SEPt. 20	13.1	70-118 (Van Den Elzen Farms Ltd.)			410.00	410.00
4	SW¼ 21	8.9	70-117(M. & D. Fraser)			221.00	221.00
4	N¼ 21	16.3	70-104-01 (H. Kustermans)		440.00	484.00	924.00
4	S½N½ 21	4.0	70-104 (A. Kustermans)			78.00	78.00
4	NWPt. 22	10.4	70-105 (D. & D. Smith)			194.00	194.00
5	NE¼ 18	4.9	70-046 (O. & L. Robinson)			145.00	145.00
5	NE¼N½ 19	10.0	70-048 (S. & M. Dunn)			318.00	318.00
5	Pt.N½ 19	29.3	70-047 (S. & M. Dunn)			933.00	933.00
5	SW¼ 19	6.9	70-064(J. Dyer)			226.00	226.00
5	SE¼ 19	19.3	70-063 (Cuddy International Corp.)			637.00	637.00
5	N½ 20	36.8	70-049 (J. Toplak)		4,670.00	1,117.00	5,787.00
5	S½ 20	39.3	70-062 (Cuddy International Corp.)		490.00	1,297.00	1,787.00
* 5	Pt.S½ 20	1.2	B7/99 (Cuddy International Corp.)			51.00	51.00
5	NEPt. 21	28.7	70-050 (Bolton Farms Ltd.)			859.00	859.00
* 5	NEPt. 21	1.40	70-050-01 (C. & H. Sparks)			58.00	58.00
* 5	NEPt. 21	0.61	70-050-02 (J. & D. Deisley)			30.00	30.00
5	SWPt. 21	32.0	70-061 (C. Winther)		1,000.00	884.00	1,884.00
5	SEPt. 21	15.9	70-060 (L. & T. Ford)		510.00	457.00	967.00
5	NWPt. 22	10.8	70-059 (C. & B. Bolton)			342.00	342.00
5	WPt. 22	22.6	70-050 (Bolton Farms Ltd.)			663.00	663.00
5	SWPt. 22	6.8	70-059-01 (G. & M. Smith)			225.00	225.00
5	EPt. 22	27.1	70-051 (D. Fletcher)			763.00	763.00
5	NW¼ 23	10.9	70-052 (E. & M. Bolton)			346.00	346.00
5	Pt.S½ 23	29.5	70-057 (C. & B. Bolton)			865.00	865.00
* 5	Pt.S½ 23	1.32	70-057-01 (J. McLachlan)			57.00	57.00
5	SWPt. 23	3.9	70-058 (S. & J. Preszcator)			129.00	129.00
5	S½ 24	5.9	70-056 (E. Bateman)			194.00	194.00
6	N¼ 17	14.1	50-174 (Cuddy International Corp.)			405.00	405.00
6	S½N½ 17	6.1	50-173 (A. & E. Dobrentey)			179.00	179.00
6	S½ 17	3.2	70-014 (Gabriel Family Farms Ltd.)			94.00	94.00
6	Pt.N¼ 18	16.2	50-174 (Cuddy International Corp.)		3,100.00	467.00	3,567.00
6	Pt.N¼ 18	4.0	50-175 (K. & L. Bourke)		590.00	117.00	707.00
6	S½N½ 18	20.2	50-173 (A. & E. Dobrentey)			485.00	485.00
6	S½ 18	30.4	70-013 (Cuddy International Corp.)			916.00	916.00
6	N½ 19	40.5	50-176 (J. & G. Aarts Farms Ltd.)		1,740.00	813.00	2,553.00

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	SPECIAL BENEFIT	BENEFIT	OUTLET	TOTAL
MAIN DRAIN (Cont'd)							
6	SW¼ 19	20.2	70-012 (Karamac Farms Ltd.)	\$	\$	\$ 619.00	\$ 619.00
6	SE¼ 19	20.2	70-010 (M. & V. Veale)		3,050.00	526.00	3,576.00
6	NEPt. 20	9.5	50-177 (P. & R. Bettencourt)			285.00	285.00
6	SWPt.N½ 20	14.8	50-177-30 (E. Hilton)			334.00	334.00
*	6	Pt.N½ 20	0.05	50-177-01 (M.T.O.)		3.00	3.00
6	SW¼ 20	19.9	70-010 (M. & V. Veale)		380.00	455.00	835.00
*	6	Pt.SW¼ 20	0.53	70-010-05 (E. Ferreira)		25.00	25.00
6	Pt.SE¼ 20	10.7	70-009 (C. Springett)			256.00	256.00
*	6	Pt.SE¼ 20	1.40	70-009-01 (M.T.O.)		58.00	58.00
6	SWPt. 21	9.8	70-008-20 (C. Springett)			274.00	274.00
6	EPt. 21	22.1	50-179 (J E Henderson Farms Ltd.)			701.00	701.00
6	SPt. 22	2.0	70-007 (S. Hoddinott)			64.00	64.00
7	NW¼ 16	11.0	50-134 (J. & P. De Brum)	2,360.00	2,440.00	34.00	4,834.00
7	NE¼ 16	15.0	50-136 (M. Collins)		2,560.00	87.00	2,647.00
7	S½ 16	13.4	50-158-20 (Brunet Farms Ltd.)		750.00	135.00	885.00
*	7	Pt.S½ 16	0.09	50-158 (F. Dobson)		2.00	2.00
7	N½ 17	30.6	50-139 (D. Veale)		1,590.00	375.00	1,965.00
*	7	Pt.N½ 17	0.22	50-138 (Presbyterian Church)		5.00	5.00
*	7	Pt.N½ 17	0.80	50-137 (J. & D. Pranger)		13.00	13.00
7	N½S½ 17	20.2	50-157 (D. McGugan)	690.00	4,970.00	293.00	5,953.00
7	S¼ 17	19.0	50-156 (G. Radford)	240.00	1,500.00	382.00	2,122.00
*	7	Pt.S¼ 17	0.40	50-156-10 (F. Marton)		7.00	7.00
7	N½ 18	12.9	50-140 (D. & J. McGugan)			243.00	243.00
7	SW¼ 18	20.4	50-155-10 (J. Soetemans)	240.00	2,050.00	527.00	2,817.00
7	SE¼ 18	18.9	50-155 (Shareview Farms Ltd.)			490.00	490.00
7	S½ 19	16.2	50-154 (J. Arts & M. Szmejchel-Arts)			435.00	435.00
* Right-of-Way		3.2	Canadian Pacific Railway			316.00	316.00
* Right-of-Way		10.5	Canadian National Railway			1,040.00	1,040.00

\$ 3,530.00	\$ 31,830.00	\$ 26,720.00	\$ 62,080.00
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McEvoy Road	2.5	Township of Caradoc	\$	\$	150.00	\$	89.00	\$	239.00
Mallard Road	2.7	Township of Caradoc					219.00		219.00
Springwell Road	2.7	Township of Caradoc					222.00		222.00
Aberdeen Road	1.5	Township of Caradoc					119.00		119.00
Inadale Drive	3.6	Township of Caradoc			150.00		264.00		414.00
Olde Drive	4.0	Township of Caradoc			150.00		317.00		467.00
Century Drive	3.6	Township of Caradoc			150.00		297.00		447.00
Thorn Drive	1.7	Township of Caradoc					140.00		140.00
Falconbridge Drive	1.5	Township of Caradoc					124.00		124.00
Highway No. 402	27.6	Ontario Ministry of Transportation					3,364.00		3,364.00

\$	\$	600.00	\$	5,155.00	\$	5,755.00
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SPECIAL ASSESSMENT	against the Township of Caradoc for the increased cost of installing twin 2000mm corrugated steel pipes as a new road crossing structure under McEvoy Road	\$	19,265.00
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\$ 87,100.00

SCHEDULE 'C' - ASSESSMENT FOR CONSTRUCTION (Cont'd)

HUMPHREY DRAIN 1999

Township of Caradoc

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	SPECIAL BENEFIT	BENEFIT	OUTLET	TOTAL
BRANCH " P "							
7	NE¼ 16	-	50-136 (M. Collins)	\$ 375.00	\$ 50.00	\$	\$ 425.00
7	S½ 16	11.0	50-158-20 (Brunet Farms Ltd.)		760.00	949.00	1,709.00
*	7	Pt.S½ 16	0.1	50-158 (F. Dobson)		8.00	8.00
7	N½S½ 17	0.2	50-157 (D. McGugan)			17.00	17.00
7	S¼ 17	1.7	50-156 (G. Radford)			147.00	147.00
*	7	Pt.S¼ 17	0.4	50-156-10 (F. Marton)		34.00	34.00
TOTAL ASSESSMENT ON LANDS				\$ 375.00	\$ 810.00	\$ 1,155.00	\$ 2,340.00
McEvoy Road				\$	\$	\$ 60.00	\$ 60.00
TOTAL ASSESSMENT ON ROADS				\$	\$	\$ 60.00	\$ 60.00
TOTAL ASSESSMENT ON BRANCH "P"							\$ 2,400.00
TOTAL ASSESSMENT FOR CONSTRUCTION OF THE HUMPHREY DRAIN 1999							\$ 89,500.00

NOTE: All of the above lands, with the exception of those noted with an asterisk, are classified as agricultural.

SCHEDULE 'D' - ASSESSMENT FOR MAINTENANCE

HUMPHREY DRAIN 1999

Township of Caradoc

Job No. 98009

September 20, 1999

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	PERCENTAGE OF MAINTENANCE COST
MAIN DRAIN				
3	NW¼ 20	8.9	70-169 (H. & W. Bujnowski)	0.69 %
3	NE¼ 20	1.6	70-172 (Van Den Elzen Farms Ltd.)	0.12
4	N¼ 19	2.8	70-100 (A. Russell)	0.22
4	S¼ 19	32.6	70-120 (R. & D. Brunet)	2.53
* 4	Pt.S¼ 19	0.3	70-121 (D. Nedvidek)	0.03
* 4	Pt.S¼ 19	0.3	70-120-20 (R. Brunet)	0.04
4	N¼ 20	19.4	70-102 (A. & A. Camara)	1.34
4	S½N½ 20	20.2	70-103 (L. MacKinnon)	1.55
4	NPt.S½ 20	4.0	70-103-20 (D. & L. VanLeishout)	0.16
4	SWPt. 20	12.6	70-119 (Van Den Elzen Farms Ltd.)	0.97
* 4	ERR 20	0.2	70-119-05 (R. Viaene & L. Plant)	0.02
* 4	SWPt. 20	0.3	70-119-10 (Van Den Elzen Farms Ltd.)	0.04
4	SEPt. 20	13.1	70-118 (Van Den Elzen Farms Ltd.)	0.96
4	SW¼ 21	8.9	70-117(M. & D. Fraser)	0.52
4	N¼ 21	16.3	70-104-01 (H. Kustermans)	2.57
4	S½N½ 21	4.0	70-104 (A. Kustermans)	0.18
4	NWPt. 22	10.4	70-105 (D. & D. Smith)	0.46
5	NE¼ 18	4.9	70-046 (O. & L. Robinson)	0.34
5	NE¼N½ 19	10.0	70-048 (S. & M. Dunn)	0.75
5	Pt.N½ 19	29.3	70-047 (S. & M. Dunn)	2.20
5	SW¼ 19	6.9	70-064(J. Dyer)	0.53
5	SE¼ 19	19.3	70-063 (Cuddy International Corp.)	1.50
5	N½ 20	36.8	70-049 (J. Toplak)	6.27
5	S½ 20	39.3	70-062 (Cuddy International Corp.)	3.25
* 5	Pt.S½ 20	1.2	B7/99 (Cuddy International Corp.)	0.12
5	NEPt. 21	28.7	70-050 (Bolton Farms Ltd.)	2.02
* 5	NEPt. 21	1.4	70-050-01 (C. & H. Sparks)	0.14
* 5	NEPt. 21	0.6	70-050-02 (J. & D. Deisley)	0.07
5	SWPt. 21	32.0	70-061 (C. Winther)	5.35
5	SEPt. 21	15.9	70-060 (L. & T. Ford)	2.00
5	NWPt. 22	10.8	70-059 (C. & B. Bolton)	0.80
5	WPt. 22	22.6	70-050 (Bolton Farms Ltd.)	1.56
5	SWPt. 22	6.8	70-059-01 (G. & M. Smith)	0.53
5	EPt. 22	27.1	70-051 (D. Fletcher)	1.80
5	NW¼ 23	10.9	70-052 (E. & M. Bolton)	0.81
5	Pt.S½ 23	29.5	70-057 (C. & B. Bolton)	2.04
* 5	Pt.S½ 23	1.3	70-057-01 (J. McLachlan)	0.13
5	SWPt. 23	3.9	70-058 (S. & J. Preszcator)	0.30
5	S½ 24	5.9	70-056 (E. Bateman)	0.46
6	N¼ 17	14.1	50-174 (Cuddy International Corp.)	0.95
6	S½N½ 17	6.1	50-173 (A. & E. Dobrentey)	0.42
6	S½ 17	3.2	70-014 (Gabriel Family Farms Ltd.)	0.22
6	Pt.N¼ 18	16.2	50-174 (Cuddy International Corp.)	3.03
6	Pt.N¼ 18	4.0	50-175 (K. & L. Bourke)	0.58
6	S½N½ 18	20.2	50-173 (A. & E. Dobrentey)	1.14
6	S½ 18	30.4	70-013 (Cuddy International Corp.)	2.16
6	N½ 19	40.5	50-176 (J. & G. Aarts Farms Ltd.)	3.81

SCHEDULE 'D'-ASSESSMENT FOR MAINTENANCE (Cont'd)

HUMPHREY DRAIN 1999
Township of Caradoc

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	PERCENTAGE OF MAINTENANCE COST
MAIN DRAIN (Cont'd)				
6	SW¼ 19	20.2	70-012 (Karamac Farms Ltd.)	2.08 %
6	SE¼ 19	20.2	70-010 (M. & V. Veale)	3.52
6	NEPt. 20	9.5	50-177 (P. & R. Bettencourt)	0.67
6	SWPt.N½ 20	14.8	50-177-30 (E. Hilton)	0.79
* 6	Pt.N½ 20	0.1	50-177-01 (M.T.O.)	0.01
6	SW¼ 20	19.9	70-010 (M. & V. Veale)	1.33
* 6	Pt.SW¼ 20	0.5	70-010-05 (E. Ferreira)	0.06
6	Pt.SE¼ 20	10.7	70-009 (C. Springett)	0.60
* 6	Pt.SE¼ 20	1.4	70-009-01 (M.T.O.)	0.14
6	SWPt. 21	9.8	70-008-20 (C. Springett)	0.64
6	EPt. 21	22.1	50-179 (J E Henderson Farms Ltd.)	1.65
6	SPt. 22	2.0	70-007 (S. Hoddinott)	0.15
7	NW¼ 16	11.0	50-134 (J. & P. De Brum)	1.42
7	NE¼ 16	15.0	50-136 (M. Collins)	1.75
7	S½ 16	13.4	50-158-20 (Brunet Farms Ltd.)	0.32
* 7	Pt.S½ 16	0.1	50-158 (F. Dobson)	0.01
7	N½ 17	30.6	50-139 (D. Veale)	1.13
* 7	Pt.N½ 17	0.2	50-138 (Presbyterian Church)	0.01
* 7	Pt.N½ 17	0.8	50-137 (J. & D. Pranger)	0.03
7	N½S½ 17	20.2	50-157 (D. McGugan)	2.97
7	S¼ 17	19.0	50-156 (G. Radford)	1.56
* 7	Pt.S¼ 17	0.4	50-156-10 (F. Marton)	0.02
7	N½ 18	12.9	50-140 (D. & J. McGugan)	0.57
7	SW¼ 18	20.4	50-155-10 (J. Soetemans)	2.53
7	SE¼ 18	18.9	50-155 (Shareview Farms Ltd.)	1.15
7	S½ 19	16.2	50-154 (J. Arts & M. Szmajchel-Arts)	1.02
* Right-of-Way		3.2	Canadian Pacific Railway	0.74
* Right-of-Way		10.5	Canadian National Railway	2.45
TOTAL ASSESSMENT ON LANDS				87.00 %
McEvoy Road				0.44
Mallard Road				0.52
Springwell Road				0.52
Aberdeen Road				0.28
Inadale Drive				0.84
Olde Drive				0.96
Century Drive				0.91
Thorn Drive				0.33
Falconbridge Drive				0.29
Highway No. 402				7.91
TOTAL ASSESSMENT ON ROADS				13.00 %
TOTAL ASSESSMENT FOR MAINTENANCE ON THE MAIN DRAIN				100.00 %

SCHEDULE 'C' - ASSESSMENT FOR MAINTENANCE (Cont'd)

HUMPHREY DRAIN 1999
Township of Caradoc

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	PERCENTAGE OF MAINTENANCE COST
BRANCH " A "				
7	N½S½ 17	3.6	50-157 (D. McGugan)	31.0 %
7	S¼ 17	2.8	50-156 (G. Radford)	69.0
TOTAL ASSESSMENT FOR MAINTENANCE ON BRANCH " A "				<u>100.0 %</u>
BRANCHES " B " and " C "				
6	Pt.N¼ 18	2.4	50-175 (K. & L. Bourke)	4.6 %
6	N½ 19	4.9	50-176 (J. & G. Aarts Farms Ltd.)	15.4
7	N½ 18	1.6	50-140 (D. & J. McGugan)	4.8
7	SE¼ 18	13.8	50-155 (Shareview Farms Ltd.)	33.3
7	S½ 19	10.5	50-154 (J. Arts & M. Szmajchel-Arts)	31.9
TOTAL ASSESSMENT ON LANDS				90.0 %
Inadale Drive		0.8	Township of Caradoc	10.0 %
TOTAL ASSESSMENT ON ROADS				10.0 %
TOTAL ASSESSMENT FOR MAINTENANCE ON BRANCHES " B " and " C "				<u>100.0 %</u>
BRANCHES " D " and " E "				
6	N½ 19	15.8	50-176 (J. & G. Aarts Farms Ltd.)	49.1 %
6	NEPt. 20	9.5	50-177 (P. & R. Bettencourt)	16.4
6	SWPt.N½ 20	7.7	50-177-30 (E. Hilton)	13.2
7	S½ 19	5.7	50-154 (J. Arts & M. Szmajchel-Arts)	8.8
Right-of-Way		2.0	Canadian National Railway	4.5
TOTAL ASSESSMENT ON LANDS				92.0 %
Inadale Drive			Township of Caradoc	8.0 %
TOTAL ASSESSMENT ON ROADS				8.0 %
TOTAL ASSESSMENT FOR MAINTENANCE ON BRANCHES " D " and " E "				<u>100.0 %</u>

SCHEDULE 'C' - ASSESSMENT FOR MAINTENANCE (Cont'd)

HUMPHREY DRAIN 1999
Township of Caradoc

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	PERCENTAGE OF MAINTENANCE COST
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BRANCHES " F " and " G "

5	NE¼ 18	1.4	70-046 (O. & L. Robinson)	4.4 %
5	Pt.N½ 19	2.0	70-047 (S. & M. Dunn)	10.1
6	S½ 18	17.8	70-013 (Cuddy International Corp.)	32.0
6	SW¼ 19	14.2	70-012 (Karamac Farms Ltd.)	46.0
6	SE¼ 19	0.6	70-010 (M. & V. Veale)	2.0

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TOTAL ASSESSMENT ON LANDS

94.5 %

=====

Olde Drive 0.4 Township of Caradoc

5.5 %

=====

TOTAL ASSESSMENT ON ROADS

5.5 %

=====

**TOTAL ASSESSMENT FOR MAINTENANCE ON
BRANCHES " F " and " G "**

100.0 %**BRANCHES " J ", " K ", " L " and " M "**

5	NE¼ 18	3.5	70-046 (O. & L. Robinson)	3.6 %
5	NE¼N½ 19	10.1	70-048 (S. & M. Dunn)	21.5
5	Pt.N½ 19	26.9	70-047 (S. & M. Dunn)	53.4
5	SW¼ 19	2.8	70-064(J. Dyer)	6.4
5	SE¼ 19	1.2	70-063 (Cuddy International Corp.)	4.3
5	N½ 20	0.2	70-049 (J. Toplak)	1.0

=====

TOTAL ASSESSMENT ON LANDS

90.2 %

=====

Olde Drive 0.4 Township of Caradoc

1.7 %

Mallard Road 0.8 Township of Caradoc

8.1

=====

TOTAL ASSESSMENT ON ROADS

9.8 %

=====

**TOTAL ASSESSMENT FOR MAINTENANCE ON
BRANCHES " J ", " K ", " L " and " M "**

100.0 %

SCHEDULE 'C' - ASSESSMENT FOR MAINTENANCE (Cont'd)

HUMPHREY DRAIN 1999

Township of Caradoc

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	PERCENTAGE OF MAINTENANCE COST
BRANCH " N "				
5	Pt.N½ 19	0.4	70-047 (S. & M. Dunn)	0.4 %
5	SW¼ 19	4.1	70-064(J. Dyer)	8.8
5	SE¼ 19	14.1	70-063 (Cuddy International Corp.)	31.6
5	N½ 20	1.2	70-049 (J. Toplak)	1.4
5	S½ 20	0.6	70-062 (Cuddy International Corp.)	44.7
* 5	Pt.S½ 20	10.3	B7/99 (Cuddy International Corp.)	1.4
				=====
TOTAL ASSESSMENT ON LANDS				88.3 %
				=====
Mallard Road		0.4	Township of Caradoc	11.7 %
				=====
TOTAL ASSESSMENT ON ROADS				11.7 %
				=====
TOTAL ASSESSMENT FOR MAINTENANCE ON BRANCH " N "				<u>100.0 %</u>
BRANCH " R "				
5	SEPt. 21	13.9	70-060 (L. & T. Ford)	21.4 %
5	Pt.21& 22	12.2	70-050 (Bolton Farms Ltd.)	6.6
5	SWPt. 22	6.8	70-059-01 (G. & M. Smith)	9.7
5	Ept. 22	9.6	70-051 (D. Fletcher)	4.1
5	Pt.S½ 23	28.7	70-057 (C. & B. Bolton)	17.4
* 5	Pt.S½ 23	1.32	70-057-01 (J. McLachlan)	1.4
5	SWPt. 23	3.9	70-058 (S. & J. Preszcator)	2.7
5	S½ 24	5.9	70-056 (E. Bateman)	4.0
* Right-of-Way		2.0	Canadian National Railway	3.1
				=====
TOTAL ASSESSMENT ON LANDS				70.4 %
				=====
Thorn Drive		1.7	Township of Caradoc	5.4 %
Century Drive		0.5	Township of Caradoc	0.5
Highway No. 402		9.2	Ontario Ministry of Transportation	23.7
				=====
TOTAL ASSESSMENT ON ROADS				29.6 %
				=====
TOTAL ASSESSMENT FOR MAINTENANCE ON BRANCH " R "				<u>100.0 %</u>

HUMPHREY DRAIN 1999

Township of Caradoc

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	PERCENTAGE OF MAINTENANCE COST
BRANCH " S "				
3	NW¼ 20	8.9	70-169 (H. & W. Bujnowski)	5.1 %
3	NE¼ 20	1.6	70-172 (Van Den Elzen Farms Ltd.)	0.9
4	N¼ 19	2.8	70-100 (A. Russell)	0.7
4	S¾ 19	32.6	70-120 (R. & D. Brunet)	16.9
* 4	Pt.S¾ 19	0.28	70-121 (D. Nedvidek)	0.3
* 4	Pt.S¾ 19	0.32	70-120-20 (R. Brunet)	0.4
4	N¼ 20	19.4	70-102 (A. & A. Camara)	8.7
4	S½N½ 20	20.2	70-103 (L. MacKinnon)	10.3
4	NPt.S½ 20	4.0	70-103-20 (D. & L. VanLeishout)	1.7
4	SWPt. 20	12.6	70-119 (Van Den Elzen Farms Ltd.)	7.3
4	SWPt. 20	0.17	70-119-05 (R. Viaene & L. Plant)	0.2
* 4	SWPt. 20	0.30	70-119-10 (Van Den Elzen Farms Ltd.)	0.3
4	SEPt. 20	13.1	70-118 (Van Den Elzen Farms Ltd.)	7.6
4	SW¼ 21	8.9	70-117 (M. & D. Fraser)	3.9
5	SE¼ 19	4.0	70-063 (Cuddy International Corp.)	1.1
5	S½ 20	28.5	70-062 (Cuddy International Corp.)	12.0
* 5	Pt.S½ 20	0.60	B7/99 (Cuddy International Corp.)	0.2
5	SWPt. 21	2.0	70-061 (C. Winther)	5.8
Right-of-Way		3.2	Canadian Pacific Railway	3.0
				=====
TOTAL ASSESSMENT ON LANDS				86.4 %
				=====
Falconbridge Drive		1.5	Township of Caradoc	2.0 %
Century Drive		2.0	Township of Caradoc	2.1
Mallard Road		0.4	Township of Caradoc	0.3
Springwell Road		2.7	Township of Caradoc	9.2
				=====
TOTAL ASSESSMENT ON ROADS				13.6 %
				=====
TOTAL ASSESSMENT FOR MAINTENANCE ON BRANCH " S "				<u>100.0 %</u>
BRANCHES " T ", " U ", " V " and " W "				
4	N¼ 19	2.8	70-100 (A. Russell)	9.4 %
4	N¼ 20	1.6	70-102 (A. & A. Camara)	8.5
5	SE¼ 19	4.0	70-063 (Cuddy International Corp.)	12.8
5	S½ 20	10.1	70-062 (Cuddy International Corp.)	39.0
				=====
TOTAL ASSESSMENT ON LANDS				69.7 %
				=====
Century Drive		1.2	Township of Caradoc	15.2 %
Mallard Road		0.4	Township of Caradoc	15.1
				=====
TOTAL ASSESSMENT ON ROADS				30.3 %
				=====
TOTAL ASSESSMENT FOR MAINTENANCE ON BRANCHES " T ", " U ", " V " and " W "				<u>100.0 %</u>

NOTE:

All of the above lands, with the exception of those noted with an asterisk, are classified as agricultural.

SCHEDULE OF NET ASSESSMENT

HUMPHREY DRAIN 1999

Township of Caradoc

(FOR INFORMATION PURPOSES ONLY)

Job No. 98009

September 20, 1999

* = Non-agricultural

CODE	ROLL NUMBER (OWNER)	TOTAL ASSESSMENT	GRANT	ALLOWANCES	APPROX. NET
	70-169 (H. & W. Bujnowski)	\$ 294.00	\$ 98.00	\$	\$ 196.00
	70-172 (Van Den Elzen Farms Ltd.)	53.00	18.00		35.00
	70-100 (A. Russell)	93.00	31.00		62.00
	70-120 (R. & D. Brunet)	1,076.00	359.00		717.00
*	70-121 (D. Nedvidek)	13.00			13.00
*	70-120-20 (R. Brunet)	16.00			16.00
	70-102 (A. & A. Camara)	568.00	189.00		379.00
	70-103 (L. MacKinnon)	660.00	220.00		440.00
	70-103-20 (D. & L. VanLeishout)	66.00	22.00		44.00
	70-119 (Van Den Elzen Farms Ltd.)	414.00	138.00		276.00
*	70-119-05 (R. Viaene & L. Plant)	9.00			9.00
*	70-119-10 (Van Den Elzen Farms Ltd.)	15.00			15.00
	70-118 (Van Den Elzen Farms Ltd.)	410.00	137.00		273.00
	70-117(M. & D. Fraser)	221.00	74.00		147.00
	70-104-01 (H. Kustermans)	924.00	308.00	260.00	356.00
	70-104 (A. Kustermans)	78.00	26.00		52.00
	70-105 (D. & D. Smith)	194.00	65.00		129.00
	70-046 (O. & L. Robinson)	145.00	48.00		97.00
	70-048 (S. & M. Dunn)	318.00	106.00		212.00
	70-047 (S. & M. Dunn)	933.00	311.00		622.00
	70-064(J. Dyer)	226.00	75.00		151.00
	70-063 (Cuddy International Corp.)	637.00	212.00		425.00
	70-049 (J. Toplak)	5,787.00	1,929.00	2,670.00	1,188.00
	70-062 (Cuddy International Corp.)	1,787.00	596.00	270.00	921.00
*	B7/99 (Cuddy International Corp.)	51.00			51.00
	70-050 (Bolton Farms Ltd.)	859.00	286.00		573.00
*	70-050-01 (C. & H. Sparks)	58.00			58.00
*	70-050-02 (J. & D. Deisley)	30.00			30.00
	70-061 (C. Winther)	1,884.00	628.00	600.00	656.00
	70-060 (L. & T. Ford)	967.00	322.00	340.00	305.00
	70-059 (C. & B. Bolton)	342.00	114.00		228.00
	70-050 (Bolton Farms Ltd.)	663.00	221.00		442.00
	70-059-01 (G. & M. Smith)	225.00	75.00		150.00
	70-051 (D. Fletcher)	763.00	254.00		509.00
	70-052 (E. & M. Bolton)	346.00	115.00		231.00
	70-057 (C. & B. Bolton)	865.00	288.00		577.00
*	70-057-01 (J. McLachlan)	57.00			57.00
	70-058 (S. & J. Preszcator)	129.00	43.00		86.00
	70-056 (E. Bateman)	194.00	65.00		129.00
	50-174 (Cuddy International Corp.)	405.00	135.00		270.00
	50-173 (A. & E. Dobrentey)	179.00	60.00		119.00
	70-014 (Gabriel Family Farms Ltd.)	94.00	31.00		63.00
	50-174 (Cuddy International Corp.)	3,567.00	1,189.00	1,780.00	598.00
	50-175 (K. & L. Bourke)	707.00	236.00	310.00	161.00
	50-173 (A. & E. Dobrentey)	485.00	162.00		323.00

HUMPHREY DRAIN 1999

Township of Caradoc

CODE	ROLL NUMBER (OWNER)	TOTAL ASSESSMENT	GRANT	ALLOWANCES	APPROX. NET
	70-013 (Cuddy International Corp.)	\$ 916.00	\$ 305.00	\$	\$ 611.00
	50-176 (J. & G. Aarts Farms Ltd.)	2,553.00	851.00	920.00	782.00
	70-012 (Karamac Farms Ltd.)	619.00	206.00	530.00	-117.00
	70-010 (M. & V. Veale)	3,576.00	1,192.00	1,730.00	654.00
	50-177 (P. & R. Bettencourt)	285.00	95.00		190.00
	50-177-30 (E. Hilton)	334.00	111.00		223.00
*	50-177-01 (M.T.O.)	3.00			3.00
	70-010 (M. & V. Veale)	835.00	278.00	210.00	347.00
*	70-010-05 (E. Ferreira)	25.00			25.00
	70-009 (C. Springett)	256.00	85.00		171.00
*	70-009-01 (M.T.O.)	58.00			58.00
	70-008-20 (C. Springett)	274.00	91.00		183.00
	50-179 (J E Henderson Farms Ltd.)	701.00	234.00		467.00
	70-007 (S. Hoddinott)	64.00	21.00		43.00
	50-134 (J. & P. De Brum)	4,834.00	1,611.00	2,920.00	303.00
	50-136 (M. Collins)	3,072.00	1,024.00	1,920.00	128.00
	50-158-20 (Brunet Farms Ltd.)	2,594.00	865.00	70.00	1,659.00
*	50-158 (F. Dobson)	10.00			10.00
	50-139 (D. Veale)	1,965.00	655.00	590.00	720.00
*	50-138 (Presbyterian Church)	5.00			5.00
*	50-137 (J. & D. Pranger)	13.00			13.00
	50-157 (D. McGugan)	5,970.00	1,990.00	2,430.00	1,550.00
	50-156 (G. Radford)	2,269.00	756.00	660.00	853.00
*	50-156-10 (F. Marton)	41.00			41.00
	50-140 (D. & J. McGugan)	243.00	81.00		162.00
	50-155-10 (J. Soetemans)	2,817.00	939.00	1,110.00	768.00
	50-155 (Shareview Farms Ltd.)	490.00	163.00		327.00
	50-154 (J. Arts & M. Szmajchel-Arts)	435.00	145.00		290.00
*	Canadian Pacific Railway	316.00			316.00
*	Canadian National Railway	1,040.00			1,040.00
*	Ontario Hydro				
*	McEvoy Road	19,564.00			19,564.00
*	Mallard Road	219.00			219.00
*	Springwell Road	222.00			222.00
*	Aberdeen Road	119.00			119.00
*	Inadale Drive	414.00			414.00
*	Olde Drive	467.00			467.00
*	Century Drive	447.00			447.00
*	Thorn Drive	140.00			140.00
*	Falconbridge Drive	124.00			124.00
*	Ontario Ministry of Transportation	3,364.00			3,364.00
TOTALS		\$ 89,500.00	\$ 20,884.00	\$ 19,320.00	\$ 49,296.00