

CANFIELD DRAIN

Haldimand County



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London, Ontario
July 31, 2024

CANFIELD DRAIN

Haldimand County

To the Mayor and Council of
the Haldimand County

Mayor and Council:

We are pleased to present our report on the construction of the Canfield Municipal Drain serving parts of Lots 5 to 19, Concessions N.T.R. and S.T.R. (geographic Cayuga North), now Haldimand County.

AUTHORIZATION

This report was prepared pursuant to Section 4 of the Drainage Act. Instructions were received from your Municipality with respect to a motion of Council. The work was initiated by a petition signed by the Road Authority.

DRAINAGE AREA

The total watershed area as described above contains approximately 420 hectares. The area requiring drainage for the Canfield Drain is described as the intersection of Highway No. 3 (Talbot Road) and Highway No. 56.

HISTORY

The Canfield Drain is tributary to Oswego Creek.

EXISTING DRAINAGE CONDITIONS

A site meeting was held with respect to the project and through later discussions the owners reported the following:

- that representatives from the Ministry of Transportation indicated that they had recently reconstructed the road and that it requires an adequate outlet for the intersection of Highway No. 3 (Talbot Road) and Highway No. 56
- that the landowner, A. Wilkin & L. Jackson (Roll No. 5-034-04), indicated that their lands had frequent ponding and recently installed a crossing over the existing watercourse



EXISTING DRAINAGE CONDITIONS (cont'd)

- that the landowner, C. Monachino & M. Lingen (Roll No. 5-034), inquired about the possibility that, if a drain was to be constructed, that it be constructed adjacent to the property line
- that the landowner, R. & M. Mueller (Roll No. 5-056-20), indicated that the existing low run through their lands was in their backyard and requested that any drain could be constructed adjacent to their property line so they could maximize use of their property
- that the landowners, H. Vaarkamp Custom Manure Inc. (Roll No. 5-161) and M. Vaarkamp (Roll No. 5-141-10), indicated that, if a drain was constructed, the new drain be straightened to minimize the effects to their farm

A field investigation and survey were completed. Upon reviewing our findings, we note the following:

- that, from the intersection of Highway No. 56 and Highway No. 3, there is an existing waterway that generally heads south-easterly through agricultural lands towards the existing former railway. This follows along the former railway, continuing easterly across Junction Road, then through an existing railway crossing, and continues east eventually joining Oswego Creek
- that much of the existing drainage at the intersection of Highway No. 3 and Highway No. 56 is restricted by the existing culvert under Highway 3 which is too high, restricting the intersection from draining

Preliminary design, cost estimates, and assessments were prepared and an informal public meeting was held to review the findings and preliminary proposals. Further input and requests were provided by the affected owners at that time and at later dates. Based on the proposed design it was decided to proceed with the report.

DESIGN CONSIDERATIONS

The proposed design and report have been generally completed using the "GUIDE FOR ENGINEERS WORKING UNDER THE DRAINAGE ACT IN ONTARIO" OMAFRA Publication 852. Table B 2.2.

The new farm and lane culverts constructed under this report are designed for a 2-year storm event. The new culvert being constructed under this report on Talbot Road (Highway No.3) is designed to a 50-year storm event.

RECOMMENDATIONS

We are therefore recommending the following:

RECOMMENDATIONS (cont'd)

- that a new open drain be constructed, starting at the existing culvert crossing the lands of A. & D. Mark (Roll No. 5-071-20) and head west in those lands, parallel to the property line with J. Hickman (Roll No. 5-070) and D. & M. Nuel (Roll No. 5-071), then west through the existing culvert under Junction Road. The drain will then go through the lands of L. Partington & A. McKinnell (Roll No. 5-077-50), then head west through the existing Canadian National Railway Company (Roll No. 90-011-66) culvert crossing the drain, then head west through the lands of B. & M. Beatrice (Roll No. 5-082-070) and M. Vaarkamp (Roll No. 5-141-10), then head north through the lands of R. & P. Ruigrok (Roll No. 5-057-90) and R. Ruigrok (Roll No. 5-058-20). The drain will then head west, parallel to the lands of R. Ruigrok (Roll No. 5-058-20) but in the lands of M. Vaarkamp (Roll Mo. 5-141-10). The drain will then head west through the lands of H. Vaarkamp Custom Manure Inc. (Roll No. 5-161), Dunnville Co-Operative Inc. (Roll No. 5-056), R. & M. Mueller (Roll No. 5-056-20), and J. & H. Toner (Roll No. 5-058), across Talbot Road Highway No. 3. and at that point the drain will turn west, parallel to the road allowance, through the lands of M. Gerhard & I. Lultschik (Roll No. 5-034). The drain will continue west across the Ministry of Transportation Right-of-Way (Roll No. 5-033-50), west through the lands of A. Wilkin & L. Jackson (Roll No. 5-034-04) and the Ministry of Transportation (Roll No. 5-033-10), up to Highway No. 56 and then north, up to the lands of Dankar Farms Ltd. (Roll No. 5-039), for a total length of 3,092 lineal meters
- that a new 2.4 meter span x 1.8 meter rise precast concrete box culvert be installed under Talbot Line (Highway No.3)
- that multiple new farm/lane culverts be installed on the drain to allow owners to access their lands
- that the existing culvert in the lands A. Wilkin & L. Jackson (Roll No. 5-034-04) be incorporated as part of this report
- that the existing concrete culvert under Junction Road, the twin concrete culverts under the Canadian National Railway, and the concrete culvert under Highway No.56 all be cleaned out and the sediment disposed of

ENVIRONMENTAL CONSIDERATIONS AND MITIGATION MEASURES

There are no significant wetlands or sensitive areas within the affected watershed area or along the route of the drains. A temporary flow check of silt fencing is to be installed in the ditch at different sections of construction.

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 or no flow
- excavated material from the construction will be either levelled on the adjacent lands or hauled to other areas to backfill the existing surface run

ENVIRONMENTAL CONSIDERATIONS AND MITIGATION MEASURES (cont'd)

- a 3-meter-wide grassed buffer strips between the top of the bank and any adjacent cultivated lands on the side of the ditch are to be incorporated and/or be constructed 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
- some severe bends in the drain are to be protected from erosion with the installation of quarry stone rip-rap on the ditch bank as specified on the plans
- all new tile drain outlets are to be installed with quarry stone rip-rap protection
- the proposed work has been reviewed by the Department of Fisheries and shall be completed as per their letter reference number 23-HCAA-00403

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 Canfield Municipal Drain and shall not be disturbed or destroyed.

SUMMARY OF PROPOSED WORK

The proposed work consists of approximately 3,902 lineal meters of open ditch reconstruction including quarry stone rip-rap bank protection, rock chutes, bank seeding, construction of multiple farm culverts, and a new precast concrete box culvert under Talbot Road (Highway No.3).

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 \$833,500.00. This estimate includes engineering and administrative costs associated with this project.

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. In accordance with Section 38 of the Drainage Act, this schedule outlines the distribution of future repair and/or maintenance costs for portions of, or the entire drainage works.



SCHEDULES (cont'd)

Drawing No.'s 1 to 4, Job No. 215086, 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. The amount granted for open ditch work with excavated material hauled or levelled adjacent is \$3,920.00/ha. This base rate is 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.

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 \$25,000.00/ha. When any buffer strip is incorporated and/or created, the allowance granted is for any land 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, outlet liability and special benefit liability as set out under Sections 22, 23, 24 and 26 of the Act.

BENEFIT 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, increased crop production, improved appearance, better control of surface or sub-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.

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.



ASSESSMENT

A modified "Todgham Method" was used to calculate the assessments shown on Schedule 'C'- Assessment for Construction. This entailed breaking down the costs of the drain into sections along its route. Special Assessments were then extracted from each section.

The remainder is then separated into Benefit and Outlet costs. The Benefit cost is distributed to those properties receiving benefit as defined under "Assessment Definitions", with such properties usually being located along or close to the route of the drain. The Outlet Costs are distributed to all properties within the watershed area of that section on an adjusted basis. The areas are adjusted for location along that section, and relative run-off rates. Due to their different relative run-off rates forested lands have been assessed for outlet at lower rates than cleared lands. Also, roads and residential properties have been assessed for outlet at higher rates than cleared farmlands.

The actual cost of the work involving this report, with the exception of Special Assessments, is to be assessed on a pro-rata basis against the lands and roads liable for assessment for benefit, outlet, and for special assessment as shown in detail below and on Schedule 'C' - Assessment for Construction. The Special Assessments shall be levied as noted in the Section "Special Assessment".

SPECIAL ASSESSMENT

In accordance with Section 26 of the Drainage Act, a Special Assessment has been made against Haldimand County being the increased cost to the drainage work for cleaning through their existing culvert across their road allowance on the Main Drain due to the construction and operation of Junction 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:

Main Drain	Cost of Work	Less Equivalent	Plus Administration Cost	Plus Interest & Net H.S.T.	Special Assessment
Clean Through Concrete Box Culvert	\$5,900.00	\$550.00	\$2,000.00	\$180.00	\$7,530.00

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

If Haldimand County elects to perform the work themselves, the above Special Assessment shall be reduced by \$5,900.00. Otherwise, this portion of the work shall be included in the general contract.

In accordance with Section 26 of the Drainage Act, Special Assessments have been made against the Ministry of Transportation being the increased cost to the drainage work for designing and installing a concrete box culvert and cleaning through their concrete culvert across their road allowance on the Main Drain due to the construction and operation of Highway No. 3 and Highway No. 56. 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:



SPECIAL ASSESSMENT (cont'd)

Main Drain	Cost of Work	Less Equivalent	Plus Administration Cost	Plus Interest & Net H.S.T.	Special Assessment
Talbot Road 2.4m Span x 1.8m Height, 21m Length	\$237,300.00	\$550.00	\$29,500.00	\$6,660.00	\$272,910.00
Clean through 900m Span Concrete Culvert	\$5,000.00	\$550.00	\$1,500.00	\$150.00	\$6,100.00

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

If Ministry of Transportation elects to perform the work themselves, the above Special Assessment shall be reduced by \$242,300.00. Otherwise, this portion of the work shall be included in the general contract.

In accordance with Section 26 of the Drainage Act, a Special Assessment has been made against the Canadian National Railway being the increased cost to the drainage work for cleaning through their culvert across their right-of-way on the Main Drain due to the construction and operation of their railway. 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:

Main Drain	Cost of Work	Less Equivalent	Plus Administration Cost	Plus Interest & Net H.S.T.	Special Assessment
Twin 1200m dia. Concrete Culverts	\$8,900.00	\$550.00	\$4,000.00	\$310.00	\$12,660.00

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

If Canadian National Railway elects to perform the work themselves, the above Special Assessment shall be reduced by \$8,900.00. Otherwise, this portion of the work shall be included in the general contract.

If any additional work is required to the drainage works due to the existence of buried utilities such as gas pipelines, communications cables, etc. or if any of the utilities require relocation or repair then the extra costs incurred shall be borne by the utility involved in accordance with the provisions of Section 26 of the Drainage Act.

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 and eligible for the Farm Property Class Tax rate. 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 and 82 of the Drainage Act which forbid the obstruction of or damage or injury to a municipal drain.

After completion the Canfield Drain shall be maintained by the Haldimand County 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.

Special Assessments shall **not** be pro-rated for future maintenance purposes.

Repairs or improvements to any road culvert or sub-surface road crossing required by the performance of this work and for future repair and/or replacement, shall be the responsibility of the applicable Road Authority, entirely at their cost.

The farms/lane culvert installed under this report shall be levied 50% to the affected owner and the remainder shall be pro-rated over the upstream outlet assessments for future maintenance purposes.



BW:bv

Respectfully submitted,

SPRIET ASSOCIATES LONDON LIMITED

B. Widner, P.Eng.



SCHEDULE 'A' - ALLOWANCES

CANFIELD DRAIN

Haldimand County

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					
STR	5	5-070 (J. Hickman)	\$ 290.00	\$ 1,000.00	\$ 1,290.00
STR	6	5-071-20 (A. & D. Mark)	815.00	2,810.00	3,625.00
STR	6	5-071 (D. & M. Nuell)	55.00	200.00	255.00
STR	Pt. 7	5-077-50 (L. Partington & A. McKinnell)	550.00	940.00	1,490.00
STR	Pt. 6 & 7	5-077-60 (Canadian National Railway)	80.00	140.00	220.00
STR	Pt. 7	5-082-70 (B. & M. Beatrice)	1,480.00	2,540.00	4,020.00
R.O.W		5-057-90 (R. & P. Ruigrok)	560.00	970.00	1,530.00
R.O.W		5-058-20 (R. Ruigrok)	120.00	210.00	330.00
STR	Pt. 8 & 9	5-141-10 (M. Vaarkamp)	3,020.00	5,190.00	8,210.00
STR	Pt. 10	5-161 (H. Vaarkamp & Vaarkamp Custom Manure Inc.)	2,510.00	4,310.00	6,820.00
STR	Pt. 11	5-056 (Dunnville Co-operative Ltd.)	1,720.00	2,960.00	4,680.00
STR	Pt. 11	5-056-20 (R. & M. Mueller)	340.00	590.00	930.00
STR	Pt. 12	5-058 (J. & H. Toner)	260.00	450.00	710.00
NTR	12	5-034 (C. Monachino & M. Lingen)	2,130.00	2,500.00	4,630.00
NTR	Pt. 12	5-034-04 (A. Wilkin & L. Jackson)	320.00	560.00	880.00
NTR	Pt. 12	5-033-50 (Ministry of Transportation)	350.00	610.00	960.00
NTR	Pt. 12	5-032-10 (Ministry of Transportation)	270.00	460.00	730.00
Total Allowances			\$ 14,870.00	\$ 26,440.00	\$ 41,310.00
TOTAL ALLOWANCES ON THE MAIN DRAIN					\$ 41,310.00
TOTAL ALLOWANCES ON THE CANFIELD DRAIN					\$ 41,310.00

CANFIELD DRAIN**Haldimand County**

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

MAIN DRAIN

Sta. 0+000 - Sta.1+560

Clearing and Grubbing of Ditch Banks using mechanical brushing (Approx 1560m)	\$	15,600.00
1560 meters of open ditch cleanout	\$	19,500.00
Seeding ditch banks and buffer strips (Approx 15000sq.m)	\$	4,200.00
Levelling of excavated material	\$	7,800.00
Restoration of Lawns and any areas damaged by construction	\$	3,900.00

Sta. 0+580 - Sta. 0+598

Clean through existing 3.6m span concrete culvert under Junction Road including removal and disposal of excess material	\$	5,900.00
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Sta. 0+598

Supply and Install Quarry Stone Rip-Rap protection around bend and end of culvert (Approx. 6m ³ Q.S. required)	\$	1,200.00
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Sta. 0+651 - Sta. 0+667

Supply & delivery of 16m - 1800mm dia, 2.8mm thick, 125mm x 25mm cor.	\$	12,000.00
Installation of pipe including supply and installation of bedding and backfill materials and disposal of existing pipes and any unacceptable materials	\$	7,900.00
Supply and installation of quarry stone riprap (Approx. 12m ³ Q.S. required)	\$	2,100.00

Sta. 0+732 - Sta. 0+752

Clean through existing twin 1200mm dia. concrete culverts under Junction Road including removal and disposal of excess material under the Canadian National Railway Lands including, locating, permitting, flagging ext.	\$	8,900.00
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Sta. 0+956 - Sta. 0+972

Remove and Dispose of existing concrete culverts and excavate new channel through existing berm.	\$	4,900.00
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Sta. 1+307 - Sta. 1+323

Supply & delivery of 16m - 1800mm dia, 2.8mm thick, 125mm x 25mm cor.	\$	12,000.00
Installation of pipe including supply and installation of bedding and backfill materials and disposal of any unacceptable materials including couplers	\$	10,900.00
Supply and installation of quarry stone riprap (Approx. 12m ³ Q.S. required)	\$	2,100.00

CANFIELD DRAIN
Haldimand County

MAIN DRAIN (cont'd)

Sta. 1+334 - Sta. 1+350		
Supply & delivery of 16m - 1800mm dia, 2.8mm thick, 125mm x 25mm cor.	\$	12,000.00
Installation of pipe including supply and installation of bedding and backfill materials and disposal of any unacceptable materials including couplers	\$	10,900.00
Supply and installation of quarry stone riprap (Approx. 12m ³ Q.S. required)	\$	2,100.00
Sta. 1+560 - Sta. 2+630		
1070 meters of open ditch construction (Approx. 4000m ³)	\$	26,750.00
Backfill of existing waterway including stripping and leveling using excavated material from new ditch including hauling.	\$	42,000.00
Seeding ditch banks and buffer strips (Approx 11000sq.m)	\$	3,200.00
Supply and Install quarry stone rip-rap on outside banks at bends of new alignment 5 locations (Approx. 40m ³ req'd)	\$	8,000.00
Sta. 1+797 - Sta. 1+815		
Supply & delivery of 18m - 1800mm dia, 2.8mm thick, 125mm x 25mm cor.	\$	13,500.00
Installation of pipe including supply and installation of bedding and backfill materials and disposal of any unacceptable materials including couplers	\$	8,400.00
Supply and installation of quarry stone riprap (Approx. 12m ³ Q.S. required)	\$	2,100.00
Sta. 2+512 - Sta. 2+528		
Supply & delivery of 16m - 1800mm dia, 2.8mm thick, 125mm x 25mm cor.	\$	12,000.00
Installation of pipe including supply and installation of bedding and backfill materials and disposal of any unacceptable materials including couplers	\$	7,400.00
Supply and installation of quarry stone riprap (Approx. 12m ³ Q.S. required)	\$	2,100.00
Sta. 2+630 - Sta. 3+082		
Clearing and Grubbing of Ditch Banks using mechanical brushing (Approx 452m)	\$	4,500.00
452 meters of open ditch cleanout	\$	7,900.00
Seeding ditch banks and buffer strips (Approx 5000sq.m)	\$	1,700.00
Levelling of excavated material	\$	2,300.00
Sta. 2+861 - Sta. 2+879		
Supply & delivery of 18m - 1800mm dia, 2.8mm thick, 125mm x 25mm cor.	\$	13,500.00
Installation of pipe including supply and installation of bedding and backfill materials and disposal of any unacceptable materials including couplers	\$	8,400.00
Supply and installation of quarry stone riprap (Approx. 12m ³ Q.S. required)	\$	2,100.00
Sta. 3+082 - Sta. 3+147		
65 meters of open ditch construction (Approx. 300m ³)	\$	2,900.00

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MAIN DRAIN (cont'd)

Backfill of existing waterway including stripping and leveling using excavated material from new ditch including hauling.	\$ 3,900.00
Seeding ditch banks and buffer strips (Approx 400sq.m)	\$ 900.00
Supply and Install quarry stone rip-rap on outside banks at bends of new alignment 2 locations (Approx. 16m ³ req'd)	\$ 3,200.00
Restoration of Lawns and any areas damaged by construction	\$ 1,000.00
Sta. 3+147 - Sta. 3+409	
Clearing and Grubbing of Ditch Banks using mechanical brushing (Approx 262m)	\$ 2,600.00
262 meters of open ditch cleanout	\$ 3,300.00
Seeding ditch banks and buffer strips (Approx 2600sq.m)	\$ 1,100.00
Levelling of excavated material	\$ 1,300.00
Restoration of Lawns and any areas damaged by construction	\$ 2,000.00
Sta. 3+239 - Sta. 3+260	
Demolition, removal and disposal of existing structure including footings.	\$ 9,000.00
Dewatering of construction area by pumping from stone sumps etc. including pumping from flooded site after storm events	\$ 3,900.00
Standard excavation for proposed structure	\$ 14,900.00
Supply and install 19mm crushed stone bedding under proposed concrete box culvert (Approx 60 tonnes)	\$ 2,400.00
Supply of 21m length of 2.4m span x 1.8m rise precast reinforced concrete box culvert concrete box culvert (OPSS 1821)	\$ 102,300.00
Installation of above noted culvert.	\$ 79,000.00
Reinforced concrete apron wall, complete including reinforcing steel. (Approx 3m ³)	\$ 8,900.00
Installation of gabion baskets	\$ 8,000.00
Traffic control	\$ 8,900.00
Sta. 3+487 - Sta. 3+503	
Supply & delivery of 16m - 1600mm dia, 2.8mm thick, 125mm x 25mm cor.	\$ 10,400.00
Installation of pipe including supply and installation of bedding and backfill materials and disposal of any unacceptable materials including couplers	\$ 7,400.00
Supply and installation of quarry stone riprap (Approx. 12m ³ Q.S. required)	\$ 2,100.00

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MAIN DRAIN (cont'd)

Sta. 3+409 - Sta. 3+622		
213 meters of open ditch construction (Approx. 800m³)	\$	5,330.00
Backfill of existing waterway including stripping and leveling using excavated material from new ditch including hauling.	\$	9,000.00
Seeding ditch banks and buffer strips (Approx 2000sq.m)	\$	900.00
Supply and Install quarry stone rip-rap on outside banks at bends of new alignment 1 locations (Approx. 8m³ req'd)	\$	1,600.00
Sta. 3+652 - Sta.3+664		
Clean through existing twin 1800mm C.S.P. culverts under laneway including removal and disposal of excess material	\$	1,500.00
Sta. 3+839 - Sta.3+864		
Clean through existing 2.1m span concrete culvert under Haldimand Hwy 56 including removal and disposal of excess material	\$	5,000.00
Sta. 3+622- Sta. 3+902		
Clearing and Grubbing of Ditch Banks using mechanical brushing (Approx 280m)	\$	3,900.00
280 meters of open ditch cleanout	\$	3,900.00
Seeding ditch banks and buffer strips (Approx 2800sq.m)	\$	1,100.00
Levelling of excavated material	\$	1,400.00
Tile connections and contingencies	\$	30,600.00
Allowances under Sections 29 & 30 of the Drainage Act	\$	41,310.00

ADMINISTRATION

Interest and Net Harmonized Sales Tax	\$	19,400.00
Survey, Plan and Final Report	\$	89,900.00
Expenses	\$	3,610.00
Supervision and Final Inspection	\$	<u>25,900.00</u>

TOTAL ESTIMATED COST **\$ 833,500.00**

SCHEDULE 'C' - ASSESSMENT FOR CONSTRUCTION

CANFIELD DRAIN

Haldimand County

Job No. 215086

July 31, 2024

CON.	LOT	HECTARES		ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
		AFFECTED					
MAIN DRAIN							
NTR		11	10.5	5-032 (J. & I. Davis)	\$	\$ 3,826.00	\$ 3,826.00
NTR		12	23.0	5-034 (C. Monachino & M. Lingen)	16,382.00	8,874.00	25,256.00
NTR	Pt.	12	1.2	5-034-04 (A. Wilkin & L. Jackson)	3,310.00	490.00	3,800.00
NTR	Pt.	12	2.0	5-034-50 (Van Ravenswaay Win In Trust)		436.00	436.00
NTR	Pt.	12	3.3	5-033-50 (Ministry of Transportation)	1,920.00	1,369.00	3,289.00
NTR	Pt.	12	0.5	5-033 (C. & G. Bougram)		106.00	106.00
NTR	Pt.	12	0.5	5-032-10 (Ministry of Transportation)	1,950.00	212.00	2,162.00
NTR	Pt.	13	2.1	5-036 (1582888 Ontario Inc.)		1,332.00	1,332.00
NTR	Pt.	13	1.0	5-037 (J. & M. Gerritsen)		652.00	652.00
NTR	Pt.	13	5.3	5-038 (W. & L. Macleod)		1,997.00	1,997.00
NTR	Pt.	13	0.6	5-039-10 (M. Degelder)		391.00	391.00
NTR	Pt.13 &	14	36.8	5-039 (Dankar Farms Inc.)		15,460.00	15,460.00
NTR	Pt.	15	12.2	5-040 (Dankar Farms Inc. & K. Armstrong)		5,298.00	5,298.00
NTR	Pt.	15	3.9	5-040-50 (S. & T. Michele)		1,381.00	1,381.00
NTR	Pt.	15	0.4	3-056-01 (Haldimand County)		261.00	261.00
NTR	Pt.	16	19.9	3-057 (H. Reiss)		8,642.00	8,642.00
NTR	Pt.	16	0.5	3-057-10 (R. & B. Pauls)		325.00	325.00
NTR		17	22.6	3-058 (L. Raddick)		9,814.00	9,814.00
NTR		18	23.3	3-059 (R. Terry)		10,119.00	10,119.00
STR		5	1.0	5-070 (J. Hickman)		9.00	9.00
STR		6	7.0	5-071 (D. & M. Nuell)	580.00	242.00	822.00
STR		6	0.9	5-071-20 (A. & D. Mark)	11,310.00	34.00	11,344.00
STR	Pt.	6	0.2	5-074 (A. Ritins & D. Brave)		20.00	20.00
STR	Pt. 6 &	7	1.0	5-077-60 (Canadian National Railway)	540.00	66.00	606.00
STR	Pt.	7	4.1	5-082-70 (B. & M. Beatrice)	9,810.00	386.00	10,196.00
STR	Pt.	7	0.9	5-082-08 (Ministry of Transportation)		131.00	131.00
STR	Pt.	7	0.7	5-077-50 (L. Partington & A. McKinnell)	11,155.00	75.00	11,230.00
STR	Pt.	7	0.1	5-077 (M. Grant-Henderson)		11.00	11.00
STR	Pt.	7	0.1	5-078 (K. Cutler)		9.00	9.00
STR	Pt.	7	0.1	5-079 (R. Reece)		12.00	12.00
STR	Pt.	7	1.8	5-082 (M. & B. Bauer)		155.00	155.00
STR	Pt.	7	0.3	5-058-30 (R. Ruigrok)		27.00	27.00
STR	Pt.	8	5.2	5-083 (R. & M. MacNeil)		702.00	702.00
STR	Pt. 8 &	9	46.0	5-141-10 (M. Vaarkamp)	40,551.00	8,965.00	49,516.00
STR	Pt.	10	13.6	5-161 (H. Vaarkamp & Vaarkamp Custom Manure Inc.)	36,537.00	3,424.00	39,961.00
STR	Pt.	10	3.3	5-055 (G. & C. Hensen)		956.00	956.00
STR	Pt.	11	0.6	5-055-10 (H. & M. Kronemeyer)		265.00	265.00
STR	Pt.	11	35.3	5-056 (Dunnville Co-operative Ltd.)	23,970.00	7,070.00	31,040.00
STR	Pt.	11	0.6	5-056-20 (R. & M. Mueller)	9,620.00	314.00	9,934.00

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

CANFIELD DRAIN
Haldimand County

CON.	HECTARES		AFFECTED ROLL No. (OWNER)		BENEFIT	OUTLET	TOTAL
MAIN DRAIN (cont'd)							
STR	Pt.	12	0.6	5-056-30 (R. & L. Townsend)	\$	\$ 327.00	\$ 327.00
STR	Pt.	12	7.9	5-058-25 (R. Ruigrok)		2,045.00	2,045.00
STR	Pt.	12	7.5	5-058 (J. & H. Toner)	1,890.00	1,591.00	3,481.00
STR	Pt.	12	0.2	5-060 (M. & E. Heirwegh)		30.00	30.00
STR	Pt.	12	3.4	5-057-04 (W. Mueller)		879.00	879.00
STR	Pt.	12	8.7	5-057 (C. & M. Tianu)		2,110.00	2,110.00
STR	Pt.	12	0.5	5-057-10 (G. & C. Burden)		272.00	272.00
STR	Pt.	12	0.2	5-058-01 (E. Rochon & T. Faruzel-Rayner)		109.00	109.00
STR	Pt.	12	0.8	5-057-30 (J. Bougram)		434.00	434.00
STR	Pt.	12	0.6	5-062-50 (K. & C. Smith)		135.00	135.00
STR	Pt.	12	3.0	5-087-60 (Ministry of Transportation)		1,085.00	1,085.00
STR	Pt.	13	0.6	5-057-05 (E. & N. Beauvais)		5,937.00	5,937.00
STR	Pt.	13	14.0	5-061 (J. & A. Lopes)		581.00	581.00
STR	Pt.	13	0.9	5-061-50 (M. White & O. Lmburner)		967.00	967.00
STR	Pt.	13	1.5	5-062 (2355653 Ontario Inc.)		388.00	388.00
STR	Pt.	14	1.0	5-040-01 (Ministry of Transportation)		647.00	647.00
STR	Pt.	14	10.1	5-063 (A. Macnamara)		4,345.00	4,345.00
STR	Pt.	14	1.6	5-063-50 (Ministry of Transportation)		1,032.00	1,032.00
STR	Pt.	15	3.0	5-064 (C. & V. Mann)		1,290.00	1,290.00
STR	Pt.	15	1.7	5-065 (J. & R. Gardner)		731.00	731.00
STR	Pt.	15	0.10	5-065-20 (A. Clappison)		65.00	65.00
STR	Pt.	15	1.9	5-065-50 (A. Clappison)		818.00	818.00
STR	Pt.	15	0.10	5-065-60 (K. Muller)		65.00	65.00
STR	Pt.	16	2.9	3-082 (R. Houser)		1,246.00	1,246.00
STR	Pt.	16	1.9	3-082-50 (N. Brohman)		1,224.00	1,224.00
STR	Pt.	16	1.2	3-083 (R. Houser)		516.00	516.00
STR	Pt.	16	0.2	3-083-90 (B. Bois)		130.00	130.00
STR	Pt.	17	0.2	3-084 (Dankar Farms Inc.)		87.00	87.00
STR	Pt.	17	1.9	3-085 (J. King)		818.00	818.00
STR		18	2.9	3-086 (2537228 Ontario Inc.)		1,246.00	1,246.00
R.O.W.	7-	12	6.6	5-058-20 (R. Ruigrok)	12,702.00	5,678.00	18,380.00
R.O.W.	7-	12	6.3	5-057-90 (R. & P. Ruigrok)	15,632.00	5,421.00	21,053.00
R.O.W.		13	0.9	5-058-10 (D. Eichelmann)		774.00	774.00
R.O.W.		13	1.1	5-061-10 (D. Eichelmann)		945.00	945.00
R.O.W.	14-	18	5.5	90-010 (2533439 Ontario Inc.)		4,730.00	4,730.00
R.O.W.	14-	18	4.1	3-056 (2533439 Ontario Inc.)		3,528.00	3,528.00
TOTAL ASSESSMENT ON LANDS					\$ 197,859.00	\$ 146,084.00	\$ 343,943.00
Talbot Road					\$ 102,612.00	\$ 22,928.00	\$ 125,540.00
Junction Road					410.00	107.00	517.00
Windecker Road						1,390.00	1,390.00
Haldimand Hwy 56					57,610.00	5,300.00	62,910.00
TOTAL ASSESSMENT ON ROADS					\$ 160,632.00	\$ 29,725.00	\$ 190,357.00

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

CANFIELD DRAIN
Haldimand County

CON.	HECTARES AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
MAIN DRAIN (cont'd)					
		SPECIAL ASSESSMENT against the County of Haldimand for the increased cost of cleaning out culvert under Junction Road			\$ 7,530.00
		SPECIAL ASSESSMENT against 5-077-60 (Canadian National Railway) for the increased cost of cleaning out a Concrete culvert railway			\$ 12,660.00
		SPECIAL ASSESSMENT against the Ministry of Transportation for the increased cost of installing a 21m Concrete culvert under Talbot Road			\$ 272,910.00
		SPECIAL ASSESSMENT against the Ministry of Transportation for the increased cost of cleaning out a 2.1m span Concrete culvert under haldimand Hwy 56			\$ 6,100.00
		TOTAL ASSESSMENT ON THE MAIN DRAIN			\$ <u>833,500.00</u>
		TOTAL ASSESSMENT ON THE CANFIELD DRAIN			\$ <u>833,500.00</u>

SCHEDULE 'D' - ASSESSMENT FOR MAINTENANCE

CANFIELD DRAIN

Haldimand County

Job No. 215086

July 31, 2024

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	PERCENTAGE OF MAINTENANCE COST
MAIN DRAIN				
NTR		11 10.5	5-032 (J. & I. Davis)	1.1 %
NTR		12 23.0	5-034 (C. Monachino & M. Lingen)	4.8
NTR	Pt. 12	1.2	5-034-04 (A. Wilkin & L. Jackson)	0.6
NTR	Pt. 12	2.0	5-034-50 (Van Ravenswaay Win In Trust)	0.1
NTR	Pt. 12	3.3	5-033-50 (Ministry of Transportation)	0.7
NTR	Pt. 12	0.5	5-033 (C. & G. Bougram)	0.1
NTR	Pt. 12	0.5	5-032-10 (Ministry of Transportation)	0.3
NTR	Pt. 13	2.1	5-036 (1582888 Ontario Inc.)	0.4
NTR	Pt. 13	1.0	5-037 (J. & M. Gerritsen)	0.2
NTR	Pt. 13	5.3	5-038 (W. & L. Macleod)	0.6
NTR	Pt. 13	0.6	5-039-10 (M. Degelder)	0.1
NTR	Pt.13 & 14	36.8	5-039 (Dankar Farms Inc.)	4.4
NTR	Pt. 15	12.2	5-040 (Dankar Farms Inc. & K. Armstrong)	1.5
NTR	Pt. 15	3.9	5-040-50 (S. & T. Michele)	0.4
NTR	Pt. 15	0.4	3-056-01 (Haldimand County)	0.1
NTR	Pt. 16	19.9	3-057 (H. Reiss)	2.4
NTR	Pt. 16	0.5	3-057-10 (R. & B. Pauls)	0.1
NTR	17	22.6	3-058 (L. Raddick)	2.8
NTR	18	23.3	3-059 (R. Terry)	2.8
STR	5	1.0	5-070 (J. Hickman)	0.1
STR	6	7.0	5-071 (D. & M. Nuell)	0.1
STR	6	0.9	5-071-20 (A. & D. Mark)	1.6
STR	Pt. 6	0.2	5-074 (A. Ritins & D. Brave)	0.1
STR	Pt. 6 & 7	1.0	5-077-60 (Canadian National Railway)	0.1
STR	Pt. 7	4.1	5-082-70 (B. & M. Beatrice)	1.5
STR	Pt. 7	0.9	5-082-08 (Ministry of Transportation)	0.1
STR	Pt. 7	0.7	5-077-50 (L. Partington & A. McKinnell)	1.6
STR	Pt. 7	0.1	5-077 (M. Grant-Henderson)	0.1
STR	Pt. 7	0.1	5-078 (K. Cutler)	0.1
STR	Pt. 7	0.1	5-079 (R. Reece)	0.1
STR	Pt. 7	1.8	5-082 (M. & B. Bauer)	0.1
STR	Pt. 7	0.3	5-058-30 (R. Ruigrok)	0.1
STR	Pt. 8	5.2	5-083 (R. & M. MacNeil)	0.2
STR	Pt. 8 & 9	46.0	5-141-10 (M. Vaarkamp)	8.2
STR	Pt. 10	13.6	5-161 (H. Vaarkamp & Vaarkamp Custom Manure Inc.)	6.1
STR	Pt. 10	3.3	5-055 (G. & C. Hensen)	0.3
STR	Pt. 11	0.6	5-055-10 (H. & M. Kronemeyer)	0.1
STR	Pt. 11	35.3	5-056 (Dunnville Co-operative Ltd.)	5.4
STR	Pt. 11	0.6	5-056-20 (R. & M. Mueller)	1.4

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

CANFIELD DRAIN
Haldimand County

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	PERCENTAGE OF MAINTENANCE COST
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MAIN DRAIN (cont'd)

STR	Pt. 12	0.6	5-056-30 (R. & L. Townsend)	0.1 %	
STR	Pt. 12	7.9	5-058-25 (R. Ruigrok)	0.6	
STR	Pt. 12	7.5	5-058 (J. & H. Toner)	0.7	
STR	Pt. 12	0.2	5-060 (M. & E. Heirwegh)	0.1	
STR	Pt. 12	3.4	5-057-04 (W. Mueller)	0.3	
STR	Pt. 12	8.7	5-057 (C. & M. Tianu)	0.6	
STR	Pt. 12	0.5	5-057-10 (G. & C. Burden)	0.1	
STR	Pt. 12	0.2	5-058-01 (E. Rochon & T. Faruzel-Rayner)	0.1	
STR	Pt. 12	0.8	5-057-30 (J. Bougram)	0.1	
STR	Pt. 12	0.6	5-062-50 (K. & C. Smith)	0.1	
STR	Pt. 12	3.0	5-087-60 (Ministry of Transportation)	0.3	
STR	Pt. 13	0.6	5-057-05 (E. & N. Beauvais)	1.7	
STR	Pt. 13	14.0	5-061 (J. & A. Lopes)	0.2	
STR	Pt. 13	0.9	5-061-50 (M. White & O. Lmburner)	0.3	
STR	Pt. 13	1.5	5-062 (2355653 Ontario Inc.)	0.1	
STR	Pt. 14	1.0	5-040-01 (Ministry of Transportation)	0.2	
STR	Pt. 14	10.1	5-063 (A. Macnamara)	1.2	
STR	Pt. 14	1.6	5-063-50 (Ministry of Transportation)	0.3	
STR	Pt. 15	3.0	5-064 (C. & V. Mann)	0.4	
STR	Pt. 15	1.7	5-065 (J. & R. Gardner)	0.2	
STR	Pt. 15	0.1	5-065-20 (A. Clappison)	0.1	
STR	Pt. 15	1.9	5-065-50 (A. Clappison)	0.2	
STR	Pt. 15	0.1	5-065-60 (K. Muller)	0.1	
STR	Pt. 16	2.9	3-082 (R. Houser)	0.4	
STR	Pt. 16	1.9	3-082-50 (N. Brohman)	0.3	
STR	Pt. 16	1.2	3-083 (R. Houser)	0.1	
STR	Pt. 16	0.2	3-083-90 (B. Bois)	0.1	
STR	Pt. 17	0.2	3-084 (Dankar Farms Inc.)	0.1	
STR	Pt. 17	1.9	3-085 (J. King)	0.2	
STR	18	2.9	3-086 (2537228 Ontario Inc.)	0.4	
R.O.W.	7-	12	6.6	5-058-20 (R. Ruigrok)	3.4
R.O.W.	7-	12	6.3	5-057-90 (R. & P. Ruigrok)	3.7
R.O.W.	13	0.9	5-058-10 (D. Eichelmann)	0.2	
R.O.W.	13	1.1	5-061-10 (D. Eichelmann)	0.3	
R.O.W.	18	5.5	90-010 (2533439 Ontario Inc.)	1.3	
R.O.W.	18	4.1	3-056 (2533439 Ontario Inc.)	1.0	

TOTAL ASSESSMENT ON LANDS

70.5 %

Talbot Road	15.8	Ministry of Transportation	19.4 %
Junction Road	0.4	Haldimand County	0.1
Windecker Road	0.8	Haldimand County	0.4
Haldimand Hwy 56	3.1	Ministry of Transportation	9.6

TOTAL ASSESSMENT ON ROADS

29.5 %

TOTAL ASSESSMENT FOR MAINTENANCE ON THE MAIN DRAIN**100.0 %**

SCHEDULE OF NET ASSESSMENT

CANFIELD DRAIN

Haldimand County

(FOR INFORMATION PURPOSES ONLY)

Job No. 215086

July 31, 2024

* = Non-agricultural

ROLL NUMBER (OWNER)	TOTAL ASSESSMENT	GRANT	ALLOWANCES	APPROX. NET
5-032 (J. & I. Davis)	\$ 3,826.00	\$ 1,275.00	\$	\$ 2,551.00
5-034 (C. Monachino & M. Lingen)	25,256.00	8,419.00	4,630.00	12,207.00
5-034-04 (A. Wilkin & L. Jackson)	3,800.00	1,267.00	880.00	1,653.00
* 5-034-50 (Van Ravenswaay Win In Trust)	436.00			436.00
* 5-033-50 (Ministry of Transportation)	3,289.00		960.00	2,329.00
* 5-033 (C. & G. Bougram)	106.00			106.00
* 5-032-10 (Ministry of Transportation)	2,162.00		730.00	1,432.00
* 5-036 (1582888 Ontario Inc.)	1,332.00			1,332.00
* 5-037 (J. & M, Gerritsen)	652.00			652.00
5-038 (W. & L. Macleod)	1,997.00	666.00		1,331.00
5-039-10 (M. Degelder)	391.00	130.00		261.00
5-039 (Dankar Farms Inc.)	15,460.00	5,153.00		10,307.00
5-040 (Dankar Farms Inc. & K. Armstrong)	5,298.00	1,766.00		3,532.00
* 5-040-50 (S. & T. Michele)	1,381.00			1,381.00
* 3-056-01 (Haldimand County)	261.00			261.00
3-057 (H. Reiss)	8,642.00	2,881.00		5,761.00
3-057-10 (R. & B. Pauls)	325.00	108.00		217.00
3-058 (L. Raddick)	9,814.00	3,271.00		6,543.00
3-059 (R. Terry)	10,119.00	3,373.00		6,746.00
5-070 (J. Hickman)	9.00	3.00	1,290.00	-1,284.00
5-071 (D. & M. Nuell)	822.00	274.00	255.00	293.00
5-071-20 (A. & D. Mark)	11,344.00	3,781.00	3,625.00	3,938.00
5-074 (A. Ritins & D. Brave)	20.00	7.00		13.00
5-077-60 (Canadian National Railway)	606.00	202.00	220.00	184.00
Speical Assessment	12,660.00			12,660.00
5-082-70 (B. & M. Beatrice)	10,196.00	3,399.00	4,020.00	2,777.00
5-082-08 (Ministry of Transportation)	131.00	44.00		87.00
* 5-077-50 (L. Partington & A. McKinnell)	11,230.00		1,490.00	9,740.00
5-077 (M. Grant-Henderson)	11.00	4.00		7.00
5-078 (K. Cutler)	9.00	3.00		6.00
5-079 (R. Reece)	12.00	4.00		8.00
5-082 (M. & B. Bauer)	155.00	52.00		103.00
5-058-30 (R. Ruigrok)	27.00	9.00		18.00
5-083 (R. & M. MacNeil)	702.00	234.00		468.00
5-141-10 (M. Vaarkamp)	49,516.00	16,505.00	8,210.00	24,801.00

SCHEDULE OF NET ASSESSMENT (Cont'd)

CANFIELD DRAIN
Haldimand County

* = Non-agricultural

ROLL NUMBER (OWNER)	TOTAL ASSESSMENT	GRANT	ALLOWANCES	APPROX. NET
5-161 (H. Vaarkamp & Vaarkamp Custom Manure Inc.)	39,961.00	13,320.00	6,820.00	19,821.00
5-055 (G. & C. Hensen)	956.00	319.00		637.00
* 5-055-10 (H. & M. Kronemeyer)	265.00			265.00
5-056 (Dunnville Co-operative Ltd.)	31,040.00	10,347.00	4,680.00	16,013.00
* 5-056-20 (R. & M. Mueller)	9,934.00		930.00	9,004.00
5-056-30 (R. & L. Townsend)	327.00	109.00		218.00
5-058-25 (R. Ruigrok)	2,045.00	682.00		1,363.00
5-058 (J. & H. Toner)	3,481.00	1,160.00	710.00	1,611.00
5-060 (M. & E. Heirwegh)	30.00	10.00		20.00
5-057-04 (W. Mueller)	879.00	293.00		586.00
5-057 (C. & M. Tianu)	2,110.00	703.00		1,407.00
5-057-10 (G. & C. Burden)	272.00	91.00		181.00
5-058-01 (E. Rochon & T. Faruzel-Rayner)	109.00	36.00		73.00
5-057-30 (J. Bougram)	434.00	145.00		289.00
5-062-50 (K. & C. Smith)	135.00	45.00		90.00
5-087-60 (Ministry of Transportation)	1,085.00	362.00		723.00
5-061 (J. & A. Lopes)	5,937.00	1,979.00		3,958.00
* 5-061-50 (M. White & O. Lmburner)	581.00			581.00
* 5-062 (2355653 Ontario Inc.)	967.00			967.00
* 5-057-05 (E. & N. Beauvais)	388.00			388.00
* 5-040-01 (Ministry of Transportation)	647.00			647.00
5-063 (A. Macnamara)	4,345.00	1,448.00		2,897.00
* 5-063-50 (Ministry of Transportation)	1,032.00			1,032.00
5-064 (C. & V. Mann)	1,290.00	430.00		860.00
5-065 (J. & R. Gardner)	731.00	244.00		487.00
5-065-20 (A. Clappison)	65.00	22.00		43.00
5-065-50 (A. Clappison)	818.00	273.00		545.00
* 5-065-60 (K. Muller)	65.00			65.00
3-082 (R. Houser)	1,246.00	415.00		831.00
* 3-082-50 (N. Brohman)	1,224.00			1,224.00
3-083 (R. Houser)	516.00	172.00		344.00
* 3-083-90 (B. Bois)	130.00			130.00
3-084 (Dankar Farms Inc.)	87.00	29.00		58.00
3-085 (J. King)	818.00	273.00		545.00
* 3-086 (2537228 Ontario Inc.)	1,246.00			1,246.00
* 5-058-20 (R. Ruigrok)	18,380.00		330.00	18,050.00
* 5-057-90 (R. & P. Ruigrok)	21,053.00		1,530.00	19,523.00
* 5-058-10 (D. Eichelmann)	774.00			774.00
* 5-061-10 (D. Eichelmann)	945.00			945.00
* 90-010 (2533439 Ontario Inc.)	4,730.00			4,730.00
* 3-056 (2533439 Ontario Inc.)	3,528.00			3,528.00

SCHEDULE OF NET ASSESSMENT (Cont'd)

CANFIELD DRAIN
Haldimand County* = *Non-agricultural*

ROLL NUMBER (OWNER)	TOTAL ASSESSMENT	GRANT	ALLOWANCES	APPROX. NET
Talbot Road	125,540.00			125,540.00
Speical Assessment	272,910.00			272,910.00
Junction Road	517.00			517.00
Speical Assessment	7,530.00			7,530.00
Windecker Road	1,390.00			1,390.00
Haldimand Hwy 56	62,910.00			62,910.00
Special Assessment	6,100.00			6,100.00
TOTALS	\$ 833,500.00	\$ 85,737.00	\$ 41,310.00	\$ 706,453.00