

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph**



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Our Job No. 220043

March 26, 2021

London, Ontario  
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## **BLAKE DRAIN 2021**

### **Township of Lucan Biddulph**

To the Mayor and Council of  
The Township of Lucan Biddulph

Mayor and Council:

We are pleased to present our report on the reconstruction of the Blake Municipal Drain serving parts of Lots 30 to 33, Concessions 7 to 9, parts of Lots 1 and 2, Concession S.B., and parts of Lots 9 to 12, Concession N.L.R. (geographic Biddulph) in the Township of Lucan Biddulph.

### **AUTHORIZATION**

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

The work on the existing Blake Drains was initiated by a request signed by some of the affected landowners. The Branches 'F' to 'J' and the upstream extension of Branch 'D' were initiated by a petition signed by the owners whose lands contain over 60 percent of the area requiring drainage.

### **DRAINAGE AREA**

The total watershed area as described above contains approximately 305.7 hectares. The area requiring drainage for Branch 'F' and the upstream extension of Branch 'D' is described as part of Lot 10, Concession N.L.R. and the area requiring drainage for Branch 'G' is described as the northwest part of Lot 32, Concession 7. The area requiring drainage for Branches 'H' and 'J' is described as part of Lot 33, Concession 7.

### **HISTORY**

The Blake Drain was originally constructed pursuant to a report submitted by A.J. DeVos, P. Eng., dated December 15, 1981 and consists of Branches 'A' to 'D'. Branches 'A', 'B', and 'C' serve the northern part of the watershed with Branch 'A' having an outlet in the Elginfield Drain on the east side of Mitchell Line (Highway 23). Branch 'D' serves the southern part of the watershed. It outlets into the Elginfield Drain on the south side of Mitchell Line in Lot 2, Concession S.B. The entire drain consists of 5,586 meters of 150mm to 525mm concrete field tile.



## HISTORY (cont'd)

Branch 'E' was constructed pursuant to a further report by A.J. DeVos, P.Eng., dated April 15, 1982. This drain serves the southwest portion of the watershed, part of Lots 11 and 12, Concession N.L.R. and part of Lot 33, Concession 7. It consists of 400 meters of 300mm to 400mm concrete field tile and outlets into Branch 'D' at the line between Concessions 7 and N.L.R.

## EXISTING DRAINAGE CONDITIONS

Site meetings were held with respect to the project and through later discussions, the owners and the UTRCA reported and requested the following:

- that there is erosion in the lower portions of the Branches 'A' and 'D'
- that portions of the watershed have been systematically tiled
- that the existing drains are too small to provide a proper surface and sub-surface drainage outlet
- that the existing Branches 'A' to 'E' be twinned to meet a 51mm and 63mm (lower slope of areas) per 24-hour design capacity and that Branch 'D' be extended upstream to provide a legal sub-surface drainage outlet for the westerly portion of the watershed in the Frans Livestock Inc. (Roll No. 010-167-01) property
- that a private 150mm tile, running through the residential lot (Roll No. 010-167-10) in the above property to connect systematic tiling on to the south, be incorporated as a municipal branch to this drain to provide a legal sub-surface drainage outlet at that location
- that a new branch be constructed from Branch 'A' west to the Hugh Dietrich Farms Ltd. property (Roll No. 010-125-01) in order to provide a legal sub-surface outlet
- that Water and Sediment Control Basins (WASCoB's) be constructed along the route of the drains throughout to reduce / limit erosion along the drain and peak flows entering the Elginfield open ditch
- that the owners on Branch 'B', 'C', and the upper portion of Branch 'A' are planning to privately construct WASCoB berms on their properties with the assistance of the UTRCA

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

- that the existing Blake Drain branches are undersized by today's standards but in good working condition
- that there is erosion through the surface runs along portions of the drain and flooding of some low-lying areas
- that the lower portions of the drains have a steeper gradient which contributes to the erosion



## EXISTING DRAINAGE CONDITIONS (cont'd)

- that the affected area in Lot 9, Concession N.L.R. and northeast and southwest part of Lot 32, Concession 7 do not have a proper sub-surface or surface drainage outlet
- that the Roman Line Municipal Drain outlets into a private tile approximately 240 meters south of the Branch 'D' Roman Line crossing. The private tile is a 200mm smooth wall plastic tile which runs parallel to the east side of Roman Line on private property and connects into the existing Branch 'D'
- that there is erosion around the bend of the Elginfield Drain ditch at the Branch 'D' outlet just downstream of the Mitchell Line (Highway 23) bridge
- that there are planted trees along the 1981 Branch 'A' tile from Mitchell Line to the Elginfield Drain in Lot 33, Concession 9 which are within the existing working space and may present a future issue due to the roots entering the tile

Preliminary design, cost estimates and assessments, including WASCoB berms, were prepared, and an informal public meeting was held to review the findings and preliminary proposals. The following input and requests were provided by the affected owners at that time and at later dates:

- that the designated WASCoB berms be included in the drainage system
- that the existing tile to be incorporated (Branch 'F') be relocated around the residential lot
- that a new branch drain be constructed from Branch 'D' in Lot 33 into the southwest of Lot 32, Concession 7
- that the existing 200mm smooth wall tile mentioned above be incorporated as a branch of the Blake Drain
- that the material to be used for the WASCoB berms on the SWB Poultry Farms property (Roll No. 030-062) be imported fill to maintain cover on the newly installed tiling system
- that the lower portion of Branch 'D' on the B. McComb property be constructed as a ditch rather than second pipe. The new tile immediately upstream should be raised to minimize the depth of the permanent water level of a potential future pond

## DESIGN CRITERIA AND CONSIDERATIONS

The Drainage Coefficient method contained in the "DRAINAGE GUIDE FOR ONTARIO", Publication 29 by the Ontario Ministry of Agriculture, Food, and Rural Affairs is typically used to design municipal drains. 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 to design this drain with respect to capacity was 51mm per 24 hrs in the upper reaches and 63mm in the lower part.



## DESIGN CRITERIA AND CONSIDERATIONS (cont'd)

We would like to point out that there have been indications of unstable soil conditions and this region is known to have stones present. It should be noted that no formal soil investigation has been made, with this information coming from Middlesex County soils mapping and previous drain construction in the immediate area.

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.

## RECOMMENDATIONS

We are therefore recommending the following:

- that the outside bend of the existing Elginfield Drain ditch bank be resloped and protected with rip-rap and Turf Reinforcement mat
- that three new closed drains, to be known as Branches 'F', 'G', and 'J' and consisting of 200mm to 300mm concrete and plastic tiles, including related appurtenances, be constructed to provide a proper surface and sub-surface drainage outlet for the affected areas
- that 250mm to 825mm tile and sewer pipe be constructed adjacent to and work in conjunction with the existing tile Branches 'A', 'B', 'D', and 'E' tiles and the portion of Branch 'C' on Lot 32, Concession 7, including cross connections and related appurtenances
- that the new tile on Branch 'A' be connected to Branch 'D' and to the existing 525mm tile of Branch 'A' where it heads east across Mitchell Line
- that a concrete block weir be constructed at the upstream (west) end of the road surface culvert under Roman Line on Branch 'D' to direct road ditch flow into the surface pipe
- that catchbasins, fifteen WASCoB structures, and one WASCoB storage area be constructed at various locations on the proposed drains to allow direct surface water entry into the tiles and reduce surface flow and erosion
- that the existing private 200mm smooth wall plastic tile between the Roman Line Drain and Branch 'D' is to be incorporated as Branch 'H' for future maintenance purposes
- that additional WASCoB berms with surface inlets be privately constructed by landowners in various locations on and near the proposed drains in Lots 31 and 32, Concessions 7 and 8
- that the lower 190 meters of Branch 'D' on the B. McComb property be constructed as an open ditch to accommodate the potential privately constructed pond along this area
- that a portion of the excavated material from the above ditch and the lower 150 meters of Branch 'D' from the larger tiles on the property be used to construct WASCoB structures nearby



## RECOMMENDATIONS (cont'd)

- that the upstream portion (113 meters) of Branch 'C' not being improved in this report be included as part of this report for future maintenance purposes
- that the portion of the existing 525mm Branch 'A' tile (1981) from the new Branch 'A' connection, east to the Elginfield Drain ditch in Lot 33, Concession 9, be known and included as part of this report as the North Outlet for future maintenance purposes
- that the existing surface culvert under Roman Line on Branch 'D' be replaced due to its poor condition
- that as maintenance (not part of this report) the trees planted within 12 meters on each side of the 1981 Branch 'A' east of Mitchell Line be moved from within this area by the owner or by the Township of Lucan Biddulph at the owners cost

In accordance with the principals of Section 14(2) of the Drainage Act, the existing surface waterway along the route of the tile drain(s) shall be part of the drainage works for future maintenance. The width available for the waterway shall be equal to the maintenance working width as noted on the Contract Drawings.

It is recommended that basement, cellar, or crawlspace drains be directed to a sump and then discharged onto the ground surface well away from foundations and septic systems or should owners desire to connect these drains to the new outlet drain, then it is suggested that they not be directly connected to the drains. Rather it is suggested that such a connection be made by an indirect method such as by sump pump with an open-air connection such as a mini-catchbasin, crushed stone filled excavation connected to a storm P.D.C. and should include a check valve and be piped above foundation level. It is noted that there is still a risk of flooding even with indirect methods of connection and any/all responsibility shall be borne by the owner. Downspouts from eavestroughs should be directed onto the ground surface well away from foundations and septic systems and are **not** permitted to be connected to the Municipal Drain.

## ENVIRONMENTAL CONSIDERATIONS AND MITIGATION MEASURES

Based on the information available, there are no significant wetlands, sensitive areas or endangered species within the affected watershed area or along the route of the drains. The proposed construction of the Blake Drain 2021 includes quarry stone and turf reinforcement mat outlet protection, surface inlets, and WASCoB berms which greatly help reduce the overland erosion and downstream flooding. A temporary flow check of silt fencing is to be installed in the ditch downstream of the tile outlet for the duration of the construction.

## SUMMARY OF PROPOSED WORK

The proposed work consists of approximately 6,629 lineal meters of 200mm to 825mm concrete field tile and HDPE sewer pipe and 187 meters of open ditch construction including related appurtenances and the incorporation of 240 lineal meters of 200mm smooth wall plastic tile.



## SCHEDULES

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

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 \$1,050,700.00. 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.

Drawing No.'s 1 to 6, Job No. 220043 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

**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 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 a percentage of the value of the land designated for future maintenance. Therefore, the amounts granted are based on \$6,750.00/ha. through cropped lands and \$2,625.00/ha. through bush. These values are multiplied by the hectares derived from the width granted for future maintenance and the applicable lengths.

Where the new tile drain is installed adjacent to the existing drain as a dual tile system, the allowance for right-of-way was granted in a previous report, and then right-of-way is granted only for the additional working width provided.

**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 is based on the following:

- a) for closed drain installed with wheel machine - \$3,510.00/ha.
- b) for closed drains installed through bush with wheel machine - \$2,500.00/ha.

These base rates are multiplied by the hectares derived from the working widths shown on the plans and the applicable lengths.



## 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 assessments are known as benefit, outlet liability and special benefit as set out under Sections 22 and 23 of the Act.

### SECTION 22

**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 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.

**Special Benefit** is assessed to lands for which some additional work or feature has been included in the construction repair or improvement of a drainage works. The costs of such work are separated and assessed independently from the regular work.

**Benefit By Cut-Off** is assessed to lands or roads which obtain relief from surface and/or sub-surface drainage onto or through their lands by the diversion of said surface and/or sub-surface drainage into another watershed.

### SECTION 23

**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" is typically used to calculate the assessments shown on Schedule 'C'- Assessment for Construction. This entails breaking down the costs of the drain into sections along its route. Special Assessments and Special Benefit Assessments are then extracted from each section.

The remainder is then separated into Benefit and Outlet Assessments. The Benefit 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 is 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 are assessed for outlet at lower rates than cleared lands. Also, roads and residential properties are assessed for outlet at higher rates than cleared farmlands.





**ASSESSMENT (cont'd)**

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, and outlet as shown in detail 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, Special Assessments have been made against the Township of Lucan Biddulph being the increased cost to the drainage work for constructing a 200mm diameter sewer pipe under Observatory Drive on Branch 'B' and a 525mm and 900mm diameter sewer pipe under Roman Line on Branch 'D' due to the construction and operation of their roads. The Special Assessments 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:

Drain	Cost of Work	Less Equivalent Drain Cost (Fixed)	Plus Administration Cost	Plus Interest & Net H.S.T.	Special Assessment
Br. 'B'	\$4,790.00	\$440.00	\$1,825.00	\$310.00	\$6,485.00
Br. 'D'	\$18,590.00	\$1,200.00	\$3,275.00	\$1,030.00	\$21,695.00

In accordance with Section 26 of the Drainage Act, a Special Assessment has been made against the Ministry of Transportation being the increased cost to the drainage work for installing, repairing, and constructing erosion protection on the bend in the Elginfield Drain ditch at the outlet of Branch 'A' – 'D' due to the construction and operation of Mitchell Line (Highway 23). 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:

Drain	Cost of Work	Less Equivalent Drain Cost (Fixed)	Plus Administration Cost	Plus Interest & Net H.S.T.	Special Assessment
Br. 'A'-'D'	\$15,860.00	\$800.00	\$2,400.00	\$870.00	\$18,330.00

In accordance with Section 26 of the Drainage Act, a Special Assessment has been made against Enbridge Gas Inc. for the cost of locating and determining the elevation of their 50mm gas mains on Roman Line, being the increased cost to the drainage works due to the construction and operation of their utilities. The Special Assessment shall be as shown on Schedule 'C'. The Special Assessment shall also include any additional cost to adjust the gasmain, if required.

If any additional work is required to the drainage works due to the existence of buried utilities such as gas/water/oil 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. It should be noted that all costs to increase the design standard above the 38mm per 24 hours is assessed separately and shown not to receive the grant.

## 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. This includes tree roots penetrating tiles from trees planted by owners or naturally occurring. For tiles through bush areas we recommend the owner maintain the cleared space by either mowing (hay) or growing a crop over it. If no maintenance is completed over several years, we recommend the Municipality complete the mowing/clearing as part of maintenance at the discretion of the Drainage Superintendent.

After completion, the entire Blake Drain 2021, including the existing 1981 and 1982 drains, shall be maintained by the Township of Lucan Biddulph at the expense of all upstream lands and roads assessed in Schedule 'C' - Assessment for Construction 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 but shall be applied as an actual cost special if part of the maintenance.

The upper portion of Branch 'C' and Branch 'A' – North Outlet shall be maintained in accordance with the grades and dimensions set out in the plans and specifications contained in the Blake Drain 1981 report.

For maintenance on WASCoBs, due to the purpose of their construction, the costs shall be pro-rated over the entire Schedule regardless of where on the drain the maintenance work is completed.

Repairs or improvements to any road culvert or sub-surface road crossing shall be the responsibility of the applicable Road Authority, entirely at their cost.

Respectfully submitted,

SPRIET ASSOCIATES LONDON LIMITED

M.P. DeVos, P. Eng.



MPD:bv



SCHEDULE 'A' - ALLOWANCES

**BLAKE DRAIN 2021**

**Township of Lucan Biddulph**

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

CON.	LOT	ROLL NUMBER (Owner)	Section 29 Right-of-Way	Section 30 Damages	TOTALS
<b>BRANCHES A &amp; D SOUTH OUTLET</b>					
<i>Geographic Biddulph</i>					
8&SB	33&Pt.2	030-062 (SWB Poultry Farms)	\$ 540.00	\$ 1,120.00	\$ 1,660.00
Total Allowances			\$ 540.00	\$ 1,120.00	\$ 1,660.00
<b>TOTAL ALLOWANCES ON THE BRANCHES A &amp; D SOUTH OUTLET</b>					<b>\$ <u>1,660.00</u></b>
<b>BRANCH A</b>					
<i>Geographic Biddulph</i>					
7	31	010-124-50 (Grant L. Dietrich Farms Ltd.)	\$ 20.00	\$ 40.00	\$ 60.00
7	Pt.32	010-125 (H. Dietrich)	1,900.00	3,960.00	5,860.00
8	32	030-063 (H. & J. Van Den Berg)	6,750.00	7,590.00	14,340.00
8&SB	33&Pt.2	030-062 (SWB Poultry Farms)	3,460.00	4,210.00	7,670.00
Total Allowances			\$ 12,130.00	\$ 15,800.00	\$ 27,930.00
<b>TOTAL ALLOWANCES ON BRANCH A</b>					<b>\$ <u>27,930.00</u></b>
<b>BRANCH B</b>					
<i>Geographic Biddulph</i>					
7	Pt.S½30	030-056 (Hugh J. Dietrich Farms Ltd.)	\$ 20.00	\$ 40.00	\$ 60.00
7	31	010-124-50 (Grant L. Dietrich Farms Ltd.)	1,400.00	2,900.00	4,300.00
8	S½31	030-064 (Hugh J. Dietrich Farms Ltd.)	640.00	1,330.00	1,970.00
8	32	030-063 (H. & J. Van Den Berg)	720.00	1,490.00	2,210.00
Total Allowances			\$ 2,780.00	\$ 5,760.00	\$ 8,540.00
<b>TOTAL ALLOWANCES ON BRANCH B</b>					<b>\$ <u>8,540.00</u></b>

SCHEDULE 'A' - ALLOWANCES (Cont'd)

**BLAKE DRAIN 2021  
Township of Lucan Biddulph**

CON.	LOT	ROLL NUMBER (Owner)	Section 29 Right-of-Way	Section 30 Damages	TOTALS
<b>BRANCH C</b>					
<i>Geographic Biddulph</i>					
7	Pt.32	010-125 (H. Dietrich)	\$ 870.00	\$ 1,800.00	\$ 2,670.00
7	Pt.33	010-126 (Seelster Farms Inc.)	30.00	60.00	90.00
Total Allowances			\$ 900.00	\$ 1,860.00	\$ 2,760.00
<b>TOTAL ALLOWANCES ON BRANCH C</b>					<b>\$ 2,760.00</b>

**BRANCHES D & J**

<i>Geographic Biddulph</i>					
NLR	NPt.10	010-167 (R. Cunningham)	\$ 3,640.00	\$ 3,210.00	\$ 6,850.00
NLR	SPT.10	010-167-01 (Frans Livestock Inc.)	1,050.00	640.00	1,690.00
NLR	EPt12	010-185 (B. & S. McComb)	500.00	760.00	1,260.00
7	Pt.32	010-125 (H. Dietrich)	20.00	40.00	60.00
7	Pt.33	010-126 (Seelster Farms Inc.)	6,000.00	8,750.00	14,750.00
8&SB	33&Pt.2	030-062 (SWB Poultry Farms)	2,850.00	4,500.00	7,350.00
SB	1	030-057 (B. McComb)	1,600.00	3,040.00	4,640.00
Total Allowances			\$ 15,660.00	\$ 20,940.00	\$ 36,600.00
<b>TOTAL ALLOWANCES ON BRANCHES D &amp; J</b>					<b>\$ 36,600.00</b>

**BRANCH E**

<i>Geographic Biddulph</i>					
NLR	Pt.11&12	010-175 (Seelster Farms Inc.)	\$ 300.00	\$ 130.00	\$ 430.00
NLR	EPt12	010-185 (B. & S. McComb)	540.00	350.00	890.00
7	Pt.33	010-126 (Seelster Farms Inc.)	4,360.00	4,040.00	8,400.00
Total Allowances			\$ 5,200.00	\$ 4,520.00	\$ 9,720.00
<b>TOTAL ALLOWANCES ON BRANCH E</b>					<b>\$ 9,720.00</b>

SCHEDULE 'A' - ALLOWANCES (Cont'd)

**BLAKE DRAIN 2021  
Township of Lucan Biddulph**

CON.	LOT	ROLL NUMBER (Owner)	Section 29 Right-of-Way	Section 30 Damages	TOTALS
<b>BRANCH F</b>					
<i>Geographic Biddulph</i>					
NLR	Spt.10	010-167-01 (Frans Livestock Inc.)	\$ 2,520.00	\$	\$ 2,520.00
Total Allowances			\$ 2,520.00	\$	\$ 2,520.00
<b>TOTAL ALLOWANCES ON BRANCH F</b>					<b>\$ 2,520.00</b>
<b>TOTAL ALLOWANCES ON THE BLAKE DRAIN 2021</b>					<b>\$ 89,730.00</b>
<b>BRANCH G</b>					
<i>Geographic Biddulph</i>					
7	Pt.32	010-125 (H. Dietrich)	\$ 1,560.00	\$ 1,620.00	\$ 3,180.00
7	NWPt.32	010-125-01 (Hugh Dietrich Farms Ltd.)	40.00	40.00	80.00
Total Allowances			\$ 1,600.00	\$ 1,660.00	\$ 3,260.00
<b>TOTAL ALLOWANCES ON BRANCH G</b>					<b>\$ 3,260.00</b>
<b>BRANCH H</b>					
<i>Geographic Biddulph</i>					
7	Pt.33	010-126 (Seelster Farms Inc.)	\$ 810.00	\$	\$ 810.00
Total Allowances			\$ 810.00	\$	\$ 810.00
<b>TOTAL ALLOWANCES ON BRANCH H</b>					<b>\$ 810.00</b>
<b>TOTAL ALLOWANCES ON THE BLAKE DRAIN 2021</b>					<b>\$ 93,800.00</b>

## SCHEDULE 'B' - COST ESTIMATE

## BLAKE DRAIN 2021

## Township of Lucan Biddulph

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

## BRANCHES A &amp; D SOUTH OUTLET

Mobilization of equipment		\$	200.00
Regrade inside slope and pack into west bank, create ditch bottom including seeding of resloped east bank (see Detail on Drawings)		\$	450.00
Seeding of east ditch banks (approx. 100 m <sup>2</sup> )		\$	80.00
Clearing & grubbing		\$	1,800.00
Regrade ditch banks, seed, supply and place N.A.G. C350 Turf Reinforcement Mat with quarry stone rip-rap & exist. sacked concrete rip-rap base protection on resloped & seeded bank and around outlet pipes in accordance with Outlet Detail on Drawings (sacked concrete to be removed and mixed with quarry stone)			
(Approx. 205 m <sup>2</sup> seeding required)		\$	160.00
(Approx. 235 m <sup>2</sup> C350 TRM required)		\$	5,170.00
(Approx. 41 m <sup>3</sup> quarry stone required)		\$	8,200.00
Supply & install 6 meters of 900mm dia., H.D.P.E. plastic sewer pipe including bedding and rodent gate		\$	2,340.00
Installation of the following concrete field tile including supply & installation of geotextile around tile joints (approx. 470m req'd)			
154 meters of 825mm dia. concrete tile		\$	5,180.00
Supply of the above listed tile		\$	15,800.00
Hauling away and disposing of excess material for 825mm tile (approx. 190 m <sup>3</sup> )		\$	1,400.00
Contingency amount for increased cost due to poor soil conditions:			
Installation of tile with excavator on a bedding of crushed stone (50 meters)		\$	1,000.00
Supply & delivery of 19mm crushed (Approx. 20 tonnes req'd)		\$	600.00
Contingency Allowance for stony conditions (2 pull outs)		\$	550.00
Strip, stockpile and relevel topsoil from tile trench and adjacent working area (4m wide) specified on drawings (approx. 160m)		\$	960.00
Exposing and locating existing tile drains	(preconstruction)	\$	280.00
	(construction)	\$	280.00
Tile connections as noted on plan		\$	2,110.00
Tender security		\$	460.00
Tile connections and contingencies		\$	1,500.00
Allowances under Sections 29 & 30 of the Drainage Act		\$	1,660.00

## SCHEDULE 'B' - COST ESTIMATE

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph**
**BRANCH A**

Mobilization of equipment	\$	200.00
Installation of the following concrete field tile including supply & installation of geotextile around tile joints (approx. 3,370 m req'd)		
242 meters of 250mm dia. concrete tile	\$	4,690.00
105 meters of 350mm dia. concrete tile	\$	2,330.00
220 meters of 525mm dia. concrete tile	\$	5,570.00
53 meters of 600mm dia. concrete tile	\$	1,430.00
1111 meters of 675mm dia. concrete tile	\$	30,670.00
Supply of the above listed tile	\$	89,300.00
Supply & Installation of the following concrete tile (2400 D) under WASCoB (berm) including supply & installation of geotextile wrap around tile joints approx. 70 m req'd) & bedding material		
16 meters of 250mm dia. concrete tile (2400 D)	\$	560.00
28 meters of 675mm dia. concrete tile (2400 D)	\$	1,400.00
Supply of the above listed tile	\$	2,480.00
Contingency amount for increased cost due to poor soil conditions:		
Installation of tile on crushed stone bedding with excavator (100 meters)	\$	2,700.00
Supply & delivery of 19mm crushed (Approx. 40 tonnes req'd)	\$	1,200.00
Contingency Allowance for stony conditions (15 pull outs)	\$	4,130.00
Strip, stockpile and relevel topsoil from tile trench and adjacent working area (4m wide) specified on drawings (approx. 1723m)	\$	10,340.00
Construct grassed WASCoB (Berm) @ Sta. 0+416 using hauled native material strip, stockpile, and relevel topsoil (approx. 300m <sup>2</sup> )	\$	600.00
construct berm using hauled material including compaction (100 m <sup>3</sup> )	\$	2,000.00
seed berm upon completion	\$	250.00
supply & install one 250mm dia. "Hickenbottom" C.B. including 4m - 250mm lead	\$	900.00
Construct grassed WASCoB (Berm) @ Sta. 0+725 using on-site native material strip, stockpile, and relevel topsoil (approx. 300m <sup>2</sup> )	\$	800.00
construct berm using adjacent on-site material including compaction (20 m <sup>3</sup> )	\$	800.00
seed berm upon completion	\$	200.00
supply & install one 250mm dia. "Hickenbottom" C.B. including 3m - 250mm lead	\$	900.00
Construct grassed WASCoB (Berm) 127m N. of Sta. 0+730 using on-site native material strip, stockpile, and relevel topsoil (approx. 500m <sup>2</sup> )	\$	900.00
construct berm using adjacent on-site material including compaction (80 m <sup>3</sup> )	\$	1,200.00
seed berm upon completion	\$	400.00
supply & install one 250mm dia. "Hickenbottom" C.B.	\$	750.00
127 meters of 250mm dia. concrete tile lead	\$	4,390.00

## SCHEDULE 'B' - COST ESTIMATE (cont'd)

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph****BRANCH A (cont'd)**

Construct worked WASCoB (Berm) @ Sta. 0+920 using on-site native material strip, stockpile, and relevel topsoil (approx. 700m <sup>2</sup> )	\$	1,100.00
construct berm using adjacent on-site material including compaction (80 m <sup>3</sup> )	\$	1,200.00
supply & install one "Blind Inlet" C.B. including 3m - 250mm lead	\$	1,400.00
Construct worked WASCoB (Berm) 69m N. of Sta. 1+070 using on-site native material strip, stockpile, and relevel topsoil (approx. 2200m <sup>2</sup> )	\$	3,300.00
construct berm using adjacent on-site material including compaction (230 m <sup>3</sup> )	\$	3,500.00
seed berm upon completion	\$	400.00
supply & install one 250mm dia. "Hickenbottom" C.B.	\$	1,250.00
69 meters of 250mm dia. concrete tile lead	\$	2,390.00
Supply and install the following concrete structures including, grates, leads, fittings, connection of all new & existing tiles		
0+725 one 1800mm x 1800mm junction box CB (with benching)		
12m - 525mm concrete tile to reconnect exist. tile	\$	7,800.00
1+380 one 1200mm x 1800mm junction box CB (with benching)	\$	5,800.00
1+653 one 900mm x 1200mm junction box (with benching)	\$	3,900.00
Exposing and locating existing tile drains (preconstruction)	\$	3,020.00
(construction)	\$	3,020.00
Tile connections and cross connections as noted on plan including fittings	\$	4,780.00
Tender security	\$	3,210.00
Tile connections and contingencies	\$	8,000.00
Allowances under Sections 29 & 30 of the Drainage Act	\$	27,930.00

**BRANCH B**

Mobilization of equipment	\$	200.00
Installation of the following concrete field tile including supply & installation of geotextile around tile joints (approx. 1,010 m req'd)		
11 meters of 200mm dia. concrete tile	\$	180.00
185 meters of 250mm dia. concrete tile	\$	3,580.00
488 meters of 350mm dia. concrete tile	\$	10,840.00
142 meters of 450mm dia. concrete tile	\$	3,470.00
Supply of the above listed tile	\$	17,370.00
Contingency Allowance for stony conditions (7 pull outs)	\$	1,930.00
Strip, stockpile and relevel topsoil from tile trench and adjacent working area (4m wide) specified on drawings (approx. 821m)	\$	4,930.00



## SCHEDULE 'B' - COST ESTIMATE (cont'd)

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph****BRANCH B (cont'd)**

15.0 meters of 200mm sewer pipe		
Supply		\$ 290.00
Installation under Observatory Road by open cut including removal & disposal of existing pipe		\$ 4,500.00
Supply and install one 900mm x 1200mm ditch inlet catchbasin junction box (with benching) and one 600mm x 600mm standard catchbasins, including berm, connection to new & exist. tiles, grates, removal and disposal of existing catchbasin		\$ 5,550.00
Exposing and locating existing tile drains	(preconstruction)	\$ 1,430.00
	(construction)	\$ 1,430.00
Tile connections and cross connections as noted on plan including fittings		\$ 1,000.00
Tender security		\$ 850.00
Tile connections and contingencies		\$ 2,500.00
Allowances under Sections 29 & 30 of the Drainage Act		\$ 8,540.00

**BRANCH C**

Mobilization of equipment		\$ 200.00
Installation of the following concrete field tile including supply & installation of geotextile around tile joints (approx. 240 m req'd)		
95 meters of 200mm dia. concrete tile		\$ 1,580.00
160 meters of 250mm dia. concrete tile		\$ 3,100.00
10 meters of 300mm dia. concrete tile		\$ 210.00
Supply of the above listed tile		\$ 3,860.00
Contingency Allowance for stony conditions (2 pull outs)		\$ 550.00
Strip, stockpile and relevel topsoil from tile trench and adjacent working area (4m wide) specified on drawings (approx. 265m)		\$ 1,590.00
Exposing and locating existing tile drains	(preconstruction)	\$ 460.00
	(construction)	\$ 460.00
Tile connections as noted on plan including fittings		\$ 610.00
Tender security		\$ 190.00
Tile connections and contingencies		\$ 800.00
Allowances under Sections 29 & 30 of the Drainage Act		\$ 2,760.00

## SCHEDULE 'B' - COST ESTIMATE (cont'd)

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph**
**BRANCHES D & J**

Mobilization of equipment	\$ 200.00
<u>DITCH OUTLET &amp; INLET - Sta. 0+763 to Sta. 0+956</u>	
Supply, install & construct the following:	
Strip topsoil for berm (approx. 200m <sup>2</sup> )	\$ 400.00
Construct berm (approx. 40m <sup>3</sup> )	\$ 700.00
187m new ditch construction (approx. 1250m <sup>3</sup> )	\$ 4,000.00
Seeding of ditch banks (1600m <sup>2</sup> )	\$ 1,000.00
Levelling of remaining excavated material (approx. 830m <sup>3</sup> )	\$ 1,900.00
One 900mm x 1200mm catchbasin with custom grate	\$ 3,000.00
6m-525mm lead	\$ 400.00
Grading at Sta 0+763 and 2m <sup>3</sup> quarry stone rip-rap	\$ 800.00
Single length (4m) 750mm HDPE sewer pipe	\$ 600.00
Construct grate across 750mm pipe with 12-30m rebar including bend (2.4m long)	\$ 1,200.00
Installation of the following concrete field tile including supply & installation of geotextile around tile joints (approx. 4,500 m req'd)	
46 meters of 250mm dia. concrete tile	\$ 890.00
137 meters of 300mm dia. concrete tile	\$ 2,860.00
50 meters of 350mm dia. concrete tile	\$ 1,110.00
181 meters of 450mm dia. concrete tile	\$ 4,420.00
1063 meters of 525mm dia. concrete tile	\$ 26,890.00
563 meters of 675mm dia. concrete tile	\$ 15,540.00
285 meters of 750mm dia. concrete tile	\$ 7,990.00
Supply of the above listed tile	\$ 110,290.00
Supply & Installation of the following concrete tile (2400 D) under WASCoB (berm) including supply & installation of geotextile wrap around tile joints approx. 150 m req'd) & bedding material	
12 meters of 300mm dia. concrete tile(2400 D)	\$ 600.00
46 meters of 525mm dia. concrete tile (2400 D)	\$ 2,300.00
44 meters of 675mm dia. concrete tile (2400 D)	\$ 2,200.00
Supply of the above listed sewer pipe	\$ 5,080.00
Contingency amount for increased cost due to poor soil conditions:	
Installation of tile on crushed stone bedding with excavator (200 meters)	\$ 5,400.00
Supply & delivery of 19mm crushed (Approx. 80 tonnes req'd)	\$ 2,400.00
Contingency Allowance for stony conditions (20 pull outs)	\$ 5,500.00
Strip, stockpile and relevel topsoil from tile trench and adjacent working area (4m wide) specified on drawings (approx. 2569m)	\$ 15,400.00
18.5 meters of 900mm HDPE sewer pipe (surface)	
19.0 meters of 525mm HDPE sewer pipe (subsurface)	
Supply of pipes	\$ 6,460.00
Installation under Roman Line by open cut including bedding & backfill, removal & disposal of exist. 500mm subsurface pipe & 900mm surface pipe	\$ 10,330.00

## SCHEDULE 'B' - COST ESTIMATE (cont'd)

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph**
**BRANCHES D & J (cont'd)**

Supply & install recycled concrete block weir around end of surface pipe @ Sta. 2+360	\$	1,800.00
Construct worked WASCoB (Berm) @ Sta. 0+426 using on-site native material strip, stockpile, and relevel topsoil (approx. 600m <sup>2</sup> )	\$	1,100.00
construct berm using hauled material including compaction (220 m <sup>3</sup> )	\$	4,400.00
supply & install one "Blind Inlet" C.B. including 10m - 250mm lead	\$	1,700.00
Construct worked WASCoB (Berm) @ Sta. 0+680 using on-site native material strip, stockpile, and relevel topsoil (approx. 300m <sup>2</sup> )	\$	500.00
construct berm using hauled material including compaction (80 m <sup>3</sup> )	\$	1,200.00
supply & install one "Blind Inlet" C.B. including 3m - 250mm lead	\$	1,250.00
Construct grassed WASCoB (Berm) @ Sta. 0+992 using on-site native material strip, stockpile, and relevel topsoil (approx. 150m <sup>2</sup> )	\$	500.00
construct berm using adjacent on-site material including compaction (20 m <sup>3</sup> )	\$	500.00
seed berm upon completion	\$	150.00
supply & install one 300mm dia. "Hickenbottom" C.B. including 3m - 250mm lead	\$	750.00
Construct worked WASCoB (Berm) @ Sta. 1+580 using on-site native material strip, stockpile, and relevel topsoil (approx. 780m <sup>2</sup> )	\$	1,400.00
construct berm using hauled material including compaction (160 m <sup>3</sup> )	\$	3,200.00
supply & install one "Blind Inlet" C.B. including 3m - 250mm lead	\$	1,250.00
Construct worked WASCoB (Berm) @ Sta. 1+800 using on-site native material strip, stockpile, and relevel topsoil (approx. 600m <sup>2</sup> )	\$	1,100.00
construct berm using hauled material including compaction (160 m <sup>3</sup> )	\$	3,200.00
supply & install one "Blind Inlet" C.B. including 2m - 250mm lead	\$	1,250.00
Construct worked WASCoB (Berm) @ Sta. 2+090 using on-site native material strip, stockpile, and relevel topsoil (approx. 410m <sup>2</sup> )	\$	700.00
construct berm using adjacent on-site material including compaction (110 m <sup>3</sup> )	\$	1,700.00
supply & install one "Blind Inlet" C.B. including 2m - 250mm lead	\$	1,250.00
Construct grassed WASCoB (Berm) Sta. 2+393 using on-site native material strip, stockpile, and relevel topsoil (approx. 500m <sup>2</sup> )	\$	900.00
construct berm using adjacent on-site material including compaction (30 m <sup>3</sup> )	\$	300.00
seed berm upon completion	\$	500.00
supply & install three 200mm dia. "Hickenbottom" C.B. incl. 20m - 200mm lead	\$	1,900.00
clearing & grubbing	\$	800.00
Construct worked WASCoB (Berm) @ Sta. 2+600 using on-site native material strip, stockpile, and relevel topsoil (approx. 1700m <sup>2</sup> )	\$	2,700.00
construct berm using adjacent on-site material including compaction (220 m <sup>3</sup> )	\$	3,300.00
supply & install one "Blind Inlet" C.B. including 20m - 250mm 2400 D lead	\$	2,400.00

## SCHEDULE 'B' - COST ESTIMATE (cont'd)

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph****BRANCHES D & J (cont'd)**

Construct grassed WASCoB (Berm) Sta. 2+749 using on-site native material strip, stockpile, and relevel topsoil (approx. 1000m <sup>2</sup> )		\$	1,600.00
construct berm using adjacent on-site material including compaction (70 m <sup>3</sup> )		\$	1,100.00
seed berm upon completion		\$	300.00
supply & install one 250mm dia. "Hickenbottom" C.B.		\$	600.00
clearing & grubbing		\$	400.00
Supply and install the following concrete structures including, grates, leads, fittings, berms, connection of all new & existing tiles, removal and disposal of existing catchbasins			
0+282 one 900mm x 1200 mm ditch inlet catchbasin with berm & turfmat overflow chute		\$	3,500.00
0+436 one 1800mm x 1800 mm junction box (with benching) including 16m - 525mm 2400 D concrete tile to reconnect exist. tile		\$	7,500.00
0+767 one 1200mm x 1800 mm CB junction box (with benching)		\$	5,500.00
1+241 one 1200mm x 1800 mm CB junction box (with benching)		\$	5,800.00
1+875 one 900mm x 1500 mm junction box (with benching)		\$	4,300.00
2+341 one 900mm x 1200 mm ditch inlet catchbasin junction box (with benching)		\$	3,650.00
Supply & install 300mm "Hicken Bottom" catchbasin with 300mm lead @ Sta. 2+360±		\$	800.00
Exposing and locating existing tile drains	(preconstruction)	\$	4,500.00
	(construction)	\$	4,500.00
Exposing and locating existing utilities	(preconstruction)	\$	1,000.00
	(construction)	\$	500.00
Clearing & grubbing		\$	9,000.00
Tile connections as noted on plan including fittings		\$	4,810.00
Tender security		\$	5,110.00
Tile connections and contingencies		\$	10,000.00
Allowances under Sections 29 & 30 of the Drainage Act		\$	36,600.00

**BRANCH E**

Mobilization of equipment		\$	200.00
Installation of the following concrete field tile including supply & installation of geotextile around tile joints (approx. 585 m req'd)			
230 meters of 350mm dia. concrete tile		\$	5,110.00
210 meters of 450mm dia. concrete tile		\$	5,130.00
Supply of the above listed tile		\$	11,150.00
Contingency Allowance for stony conditions (3 pull outs)		\$	830.00

## SCHEDULE 'B' - COST ESTIMATE (cont'd)

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph****BRANCH E (cont'd)**

Strip, stockpile and relevel topsoil from tile trench and adjacent working area (4m wide) specified on drawings (approx. 400m)	\$ 2,400.00
Construct worked WASCoB (storage) @ Sta.0+125 including levelling of material Strip, stockpile, and relevel topsoil (approx. 2000m <sup>2</sup> )	\$ 4,100.00
Excavate storage basin (400 m <sup>3</sup> )	\$ 4,000.00
Supply & install 2 blind inlets including 18m - 200mm lead	\$ 2,700.00
Construct worked WASCoB (Berm) @ Sta.0+418 using on-site native material strip, stockpile, and relevel topsoil (approx. 1500m <sup>2</sup> )	\$ 2,400.00
construct berm using adjacent on-site material including compaction (120 m <sup>3</sup> )	\$ 1,800.00
supply & install one 250mm dia. "Hickenbottom" C.B.	\$ 900.00
supply & install one 250mm dia. "Hickenbottom" C.B. including 3m lead	\$ 900.00
32 meters of 300mm dia. concrete tile lead	\$ 1,110.00
Supply and install the one 900mm x 1500mm catchbasin junction box including benching, grate and connection of all new & existing tiles	\$ 5,100.00
Exposing and locating existing tile drains and utilities (preconstruction)	\$ 730.00
(construction)	\$ 730.00
Tile connections as noted on plan	\$ 300.00
Tender security	\$ 740.00
Tile connections as noted on plan including fittings	\$ 300.00
Allowances under Sections 29 & 30 of the Drainage Act	\$ 9,720.00

**BRANCH F**

Mobilization of equipment	\$ 200.00
Installation of the following flexible dual smooth wall solid plastic pipe with approved drainage plow including stripping and redistribution of topsoil and scalping if required 373 meters of 200mm dia. plastic dual smooth wall perforated pipe	\$ 8,210.00
Supply of the above listed tile	\$ 8,220.00
Exposing and locating existing tile drains (construction)	\$ 650.00
Tile connections as noted on plan	\$ 1,050.00
Tender security	\$ 270.00
Tile connections and contingencies	\$ 500.00
Allowances under Sections 29 of the Drainage Act	\$ 2,520.00

SCHEDULE 'B' - COST ESTIMATE (cont'd)

**BLAKE DRAIN 2021  
Township of Lucan Biddulph**

**BRANCH G**

Mobilization of equipment	\$	200.00
Installation of the following concrete field tile including supply & installation of geotextile around tile joints (approx. 220 m req'd) 100 meters of 200mm dia. concrete tile	\$	1,660.00
150 meters of 250mm dia. sewer pipe	\$	2,900.00
Supply of the above listed tile/pipe	\$	3,580.00
Contingency Allowance for stony conditions (2 pull outs)	\$	550.00
Strip, stockpile and relevel topsoil from tile trench and adjacent working area (4m wide) specified on drawings (approx. 237m)	\$	1,420.00
Exposing and locating existing tile drains (construction)	\$	730.00
Tile connections as noted on plan	\$	100.00
Tender security	\$	170.00
Tile connections and contingencies	\$	500.00
Allowances under Sections 29 & 30 of the Drainage Act	\$	3,260.00

**BRANCH H**

Allowances under Sections 29 of the Drainage Act	\$	810.00
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**ADMINISTRATION**

Conservation Authority Review Fee	\$	500.00
Interest and Net Harmonized Sales Tax	\$	32,315.00
Survey, Plan and Final Report	\$	110,363.00
Expenses	\$	3,512.00
Supervision and Final Inspection	\$	<u>25,300.00</u>

**TOTAL ESTIMATED COST** \$ **1,050,700.00**

## SCHEDULE 'C' - ASSESSMENT FOR CONSTRUCTION

## BLAKE DRAIN 2021

## Township of Lucan Biddulph

Job No. 220043

March 26, 2021

\* = Non-agricultural, \*\* = Non-grantable

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
<b>BRANCHES A &amp; D SOUTH OUTLET</b>						
<i>Geographic Biddulph</i>						
NLR	Pt.8&9	0.2	010-166 (911670 Ontario Ltd.)	\$	\$ 6.00	\$ 6.00
			** 010-166 (911670 Ontario Ltd.)		1.00	1.00
NLR	NPt.10	22.8	010-167 (R. Cunningham)		1,440.00	1,440.00
			** 010-167 (R. Cunningham)		212.00	212.00
NLR	SPt.10	11.0	010-167-01 (Frans Livestock Inc.)		663.00	663.00
			** 010-167-01 (Frans Livestock Inc.)		98.00	98.00
* NLR	SPt.10	0.88	010-167-10 (D. Kelly)		77.00	77.00
* NLR	SPt.10	1.6	010-169 (Roman Catholic E. C.)		116.00	116.00
* NLR	NWPt.11	0.14	010-174 (W. Timmermans)		20.00	20.00
* NLR	NWPt.11	0.14	010-175-02 (W. Timmermans)		20.00	20.00
* NLR	NWPt.11	0.55	010-177-10 (D. & T. Vanhooydonk)		70.00	70.00
* NLR	NWPt.11	0.12	010-175-01 (R.Bannister)		17.00	17.00
* NLR	NWPt.11	0.42	010-177 (M. & N. Francis)		54.00	54.00
* NLR	NWPt.11	0.06	010-173 (K.Elliot & C. Finlayson)		9.00	9.00
* NLR	NWPt.11	0.02	010-172 (C. Luyten)		3.00	3.00
NLR	Pt.11&12	22.8	010-175 (Seelster Farms Inc.)		1,440.00	1,440.00
			** 010-175 (Seelster Farms Inc.)		212.00	212.00
NLR	EPT12	8.2	010-185 (B. & S. McComb)		518.00	518.00
			** 010-185 (B. & S. McComb)		76.00	76.00
7	Pt.S½30	5.8	030-056 (Hugh J. Dietrich Farms Ltd.)		366.00	366.00
			** 030-056 (Hugh J. Dietrich Farms Ltd.)		54.00	54.00
7	31	35.4	010-124-50 (Grant L. Dietrich Farms Ltd.)		2,236.00	2,236.00
			** 010-124-50 (Grant L. Dietrich Farms Ltd.)		329.00	329.00
7	Pt.32	30.6	010-125 (H. Dietrich)		1,933.00	1,933.00
			** 010-125 (H. Dietrich)		284.00	284.00
7	NWPt.32	9.1	010-125-01 (Hugh Dietrich Farms Ltd.)		574.00	574.00
			** 010-125-01 (Hugh Dietrich Farms Ltd.)		85.00	85.00
* 7	NWPt.32	0.79	010-125-03 (S. Cassidy)		69.00	69.00
7	Pt.33	38.4	010-126 (Seelster Farms Inc.)		2,426.00	2,426.00
			** 010-126 (Seelster Farms Inc.)		357.00	357.00
* 7	NWPt.33	0.14	010-126-01 (Vandermolen Homes Inc.)		20.00	20.00
* 7	NWPt.33	0.14	010-127 (D. Vandermolen)		20.00	20.00
* 7	NWPt.33	0.93	010-127-01 (D. Vandermolen)		81.00	81.00
* 7	SWPt.33	0.40	010-128 (T. Davidson & J. Shaw)		51.00	51.00
* 7	SWPt.33	0.40	010-129 (G. Anderson)		51.00	51.00
8	30	2.0	030-066 (J. Dewan)		63.00	63.00
			** 030-066 (J. Dewan)		9.00	9.00
8	N½31	6.0	030-065 (Hugh J. Dietrich Farms)		379.00	379.00
			** 030-065 (Hugh J. Dietrich Farms)		56.00	56.00
8	S½31	15.4	030-064 (Hugh J. Dietrich Farms Ltd.)		973.00	973.00

SCHEDULE 'C' - ASSESSMENT FOR CONSTRUCTION

BLAKE DRAIN 2021  
Township of Lucan Biddulph

\* = Non-agricultural, \*\* = Non-grantable

CON.	LOT	AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
HECTARES						
<b>BRANCHES A &amp; D SOUTH OUTLET (cont'd)</b>						
<i>Geographic Biddulph</i>						
			** 030-064 (Hugh J. Dietrich Farms Ltd.)	\$	\$ 143.00	\$ 143.00
8	32	33.3	030-063 (H. & J. Van Den Berg)		2,103.00	2,103.00
			** 030-063 (H. & J. Van Den Berg)		310.00	310.00
8&SB	33&Pt.2	43.0	030-062 (SWB Poultry Farms)	12,404.00	2,564.00	14,968.00
			** 030-062 (SWB Poultry Farms)	1,826.00	374.00	2,200.00
SB	1	9.7	030-057 (B. McComb)		518.00	518.00
			** 030-057 (B. McComb)		76.00	76.00
9	33	-	030-123 (A. & Z. Carreau)	924.00		924.00
			** 030-123 (A. & Z. Carreau)	136.00		136.00
TOTAL ASSESSMENT ON LANDS				\$	15,290.00	\$ 21,556.00
Roman Line				\$	\$ 489.00	\$ 489.00
Mitchell Ln(Hwy 23)					1,280.00	1,280.00
Observatory Drive					435.00	435.00
TOTAL ASSESSMENT ON ROADS				\$	1,280.00	\$ 924.00
<b>SPECIAL ASSESSMENT</b> against the Ministry of Transportation for the increased cost of erosion protection on the bend in the Elginfield Drain ditch due to the construction and operation of the Mitchell Line (Highway 23)						\$ 18,330.00
<b>TOTAL ASSESSMENT ON THE BRANCHES A &amp; D SOUTH OUTLET</b>						<b>\$ 57,380.00</b>



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

**BLAKE DRAIN 2021****Township of Lucan Biddulph**

\* = Non-agricultural

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
<b>BRANCH A NORTH OUTLET</b>						
<i>Geographic Biddulph</i>						
7	Pt.S1/230	5.8	030-056 (Hugh J. Dietrich Farms Ltd.)		57.00	57.00
7	31	35.4	010-124-50 (Grant L. Dietrich Farms Ltd.)		347.00	347.00
7	Pt.32	21.4	010-125 (H. Dietrich)		210.00	210.00
7	NWPt.32	8.7	010-125-01 (Hugh Dietrich Farms Ltd.)		79.00	79.00
7	Pt.33	3.4	010-126 (Seelster Farms Inc.)		33.00	33.00
8	30	2.0	030-066 (J. Dewan)		10.00	10.00
8	N1/231	6.0	030-065 (Hugh J. Dietrich Farms)		59.00	59.00
8	S1/231	15.4	030-064 (Hugh J. Dietrich Farms Ltd.)		151.00	151.00
8	32	33.3	030-063 (H. & J. Van Den Berg)		327.00	327.00
8&SB	33&Pt.2	18.2	030-062 (SWB Poultry Farms)	570.00	203.00	773.00
9	33	0.2	030-123 (A. & Z. Carreau)	340.00		340.00
TOTAL ASSESSMENT ON LANDS				\$ 910.00	\$ 1,476.00	\$ 2,386.00
Roman Line					3.00	3.00
Mitchell Ln(Hwy 23)				120.00	22.00	142.00
Observatory Drive					59.00	59.00
TOTAL ASSESSMENT ON ROADS				\$ 120.00	\$ 84.00	\$ 204.00
TOTAL ASSESSMENT ON THE BRANCH A NORTH OUTLET					\$ <u>2,590.00</u>	

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

**BLAKE DRAIN 2021**

**Township of Lucan Biddulph**

\* = Non-agricultural, \*\* = Non-grantable

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
<b>BRANCH A</b>						
<i>Geographic Biddulph</i>						
7	Pt.S1/230	5.8	030-056 (Hugh J. Dietrich Farms Ltd.)	\$	\$ 4,263.00	\$ 4,263.00
			** 030-056 (Hugh J. Dietrich Farms Ltd.)		507.00	507.00
7	31	35.4	010-124-50 (Grant L. Dietrich Farms Ltd.)		37,340.00	37,340.00
			** 010-124-50 (Grant L. Dietrich Farms Ltd.)		4,444.00	4,444.00
7	Pt.32	21.4	010-125 (H. Dietrich)	26,488.00	23,017.00	49,505.00
			** 010-125 (H. Dietrich)	3,152.00	2,739.00	5,891.00
7	NWPt.32	8.7	010-125-01 (Hugh Dietrich Farms Ltd.)	1,117.00	9,335.00	10,452.00
			** 010-125-01 (Hugh Dietrich Farms Ltd.)	133.00	1,111.00	1,244.00
7	Pt.33	3.4	010-126 (Seelster Farms Inc.)		2,499.00	2,499.00
			** 010-126 (Seelster Farms Inc.)		297.00	297.00
8	30	2.0	030-066 (J. Dewan)		735.00	735.00
			** 030-066 (J. Dewan)		87.00	87.00
8	N1/231	6.0	030-065 (Hugh J. Dietrich Farms)		4,409.00	4,409.00
			** 030-065 (Hugh J. Dietrich Farms)		525.00	525.00
8	S1/231	15.3	030-064 (Hugh J. Dietrich Farms Ltd.)		8,436.00	8,436.00
			** 030-064 (Hugh J. Dietrich Farms Ltd.)		1,004.00	1,004.00
8	32	33.3	030-063 (H. & J. Van Den Berg)	45,558.00	15,911.00	61,469.00
			** 030-063 (H. & J. Van Den Berg)	5,422.00	1,893.00	7,315.00
8&SB	33&Pt.2	14.2	030-062 (SWB Poultry Farms)	35,818.00	5,056.00	40,874.00
			** 030-062 (SWB Poultry Farms)	4,262.00	602.00	4,864.00
9	33		030-123 (A. & Z. Carreau)	626.00		626.00
			** 030-123 (A. & Z. Carreau)	74.00		74.00
TOTAL ASSESSMENT ON LANDS					\$ 122,650.00	\$ 124,210.00
					\$ 516.00	\$ 516.00
Roman Line				\$	\$ 516.00	\$ 516.00
Mitchell Ln(Hwy 23)				450.00		450.00
Observatory Drive					4,934.00	4,934.00
TOTAL ASSESSMENT ON ROADS				\$	\$ 450.00	\$ 5,450.00
<b>TOTAL ASSESSMENT ON BRANCH A</b>						<b>\$ 252,760.00</b>

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph**

\* = Non-agricultural, \*\* = Non-grantable

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
<b>BRANCH B</b>						
<i>Geographic Biddulph</i>						
7	Pt.S1/230	5.8	030-056 (Hugh J. Dietrich Farms Ltd.)	\$ 1,168.00	\$ 5,524.00	\$ 6,692.00
			** 030-056 (Hugh J. Dietrich Farms Ltd.)	92.00	437.00	529.00
7	31	19.4	010-124-50 (Grant L. Dietrich Farms Ltd.)	19,888.00	15,706.00	35,594.00
			** 010-124-50 (Grant L. Dietrich Farms Ltd.)	1,572.00	1,241.00	2,813.00
7	Pt.32	0.5	010-125 (H. Dietrich)		95.00	95.00
			** 010-125 (H. Dietrich)		8.00	8.00
8	30	2.0	030-066 (J. Dewan)		572.00	572.00
			** 030-066 (J. Dewan)		45.00	45.00
8	N1/231	6.0	030-065 (Hugh J. Dietrich Farms)	834.00	2,857.00	3,691.00
			** 030-065 (Hugh J. Dietrich Farms)	66.00	226.00	292.00
8	S1/231	4.0	030-064 (Hugh J. Dietrich Farms Ltd.)	9,156.00	1,334.00	10,490.00
			** 030-064 (Hugh J. Dietrich Farms Ltd.)	724.00	105.00	829.00
8	32	1.0	030-063 (H. & J. Van Den Berg)	10,204.00	190.00	10,394.00
			** 030-063 (H. & J. Van Den Berg)	806.00	16.00	822.00
TOTAL ASSESSMENT ON LANDS				\$ 44,510.00	\$ 28,356.00	\$ 72,866.00
Observatory Drive 2.0 Township of Lucan Biddulph				\$ 3,330.00	\$ 4,624.00	\$ 7,954.00
TOTAL ASSESSMENT ON ROADS				\$ 3,330.00	\$ 4,624.00	\$ 7,954.00
<b>SPECIAL ASSESSMENT</b> against the Township of Biddulph for the increased cost of constructing a 200mm sewer pipe under Observatory Line						\$ 6,485.00
<b>TOTAL ASSESSMENT ON BRANCH B</b>						<b>\$ 87,305.00</b>
<b>BRANCH C</b>						
<i>Geographic Biddulph</i>						
7	Pt.32	3.5	010-125 (H. Dietrich)	\$ 11,058.00	\$ 2,504.00	\$ 13,562.00
			** 010-125 (H. Dietrich)	432.00	98.00	530.00
7	Pt.33	3.4	010-126 (Seelster Farms Inc.)	2,262.00	3,476.00	5,738.00
			** 010-126 (Seelster Farms Inc.)	88.00	136.00	224.00
8	32	0.5	030-063 (H. & J. Van Den Berg)		510.00	510.00
			** 030-063 (H. & J. Van Den Berg)		21.00	21.00
8&SB	33&Pt.2	4.2	030-062 (SWB Poultry Farms)	500.00	2,710.00	3,210.00
			** 030-062 (SWB Poultry Farms)	20.00	105.00	125.00
TOTAL ASSESSMENT ON LANDS				\$ 14,360.00	\$ 9,560.00	\$ 23,920.00
<b>TOTAL ASSESSMENT ON BRANCH C</b>						<b>\$ 23,920.00</b>

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph**

\* = Non-agricultural, \*\* = Non-grantable

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
<b>BRANCHES D &amp; J</b>						
<i>Geographic Biddulph</i>						
NLR	Pt.8&9	0.2	010-166 (911670 Ontario Ltd.)	\$	\$ 396.00	\$ 396.00
			** 010-166 (911670 Ontario Ltd.)		30.00	30.00
NLR	NPt.10	22.8	010-167 (R. Cunningham)	18,965.00	42,420.00	61,385.00
			** 010-167 (R. Cunningham)	1,455.00	3,255.00	4,710.00
NLR	SPt.10	11.0	010-167-01 (Frans Livestock Inc.)	3,538.00	19,681.00	23,219.00
			** 010-167-01 (Frans Livestock Inc.)	272.00	1,510.00	1,782.00
* NLR	SPt.10	0.88	010-167-10 (D. Kelly)		1,935.00	1,935.00
* NLR	SPt.10	1.60	010-169 (Roman Catholic E. C.)		2,924.00	2,924.00
* NLR	NWPt.11	0.14	010-174 (W. Timmermans)		316.00	316.00
* NLR	NWPt.11	0.14	010-175-02 (W. Timmermans)		316.00	316.00
* NLR	NWPt.11	0.55	010-177-10 (D. & T. Vanhooydonk)		739.00	739.00
* NLR	NWPt.11	0.12	010-175-01 (R.Bannister)		242.00	242.00
* NLR	NWPt.11	0.42	010-177 (M. & N. Francis)		642.00	642.00
* NLR	NWPt.11	0.06	010-173 (K.Elliot & C. Finlayson)		221.00	221.00
* NLR	NWPt.11	0.02	010-172 (C. Luyten)		74.00	74.00
NLR	Pt.11&12	22.8	010-175 (Seelster Farms Inc.)		16,299.00	16,299.00
			** 010-175 (Seelster Farms Inc.)		1,251.00	1,251.00
NLR	EPt12	8.2	010-185 (B. & S. McComb)	11,804.00	5,569.00	17,373.00
			** 010-185 (B. & S. McComb)	906.00	427.00	1,333.00
7	Pt.32	9.2	010-125 (H. Dietrich)	1,319.00	12,704.00	14,023.00
			** 010-125 (H. Dietrich)	101.00	975.00	1,076.00
7	NWPt.32	1.7	010-125-01 (Hugh Dietrich Farms Ltd.)		1,763.00	1,763.00
			** 010-125-01 (Hugh Dietrich Farms Ltd.)		135.00	135.00
* 7	NWPt.32	0.79	010-125-03 (S. Cassidy)		1,706.00	1,706.00
7	Pt.33	35.0	010-126 (Seelster Farms Inc.)	64,482.00	36,583.00	101,065.00
			** 010-126 (Seelster Farms Inc.)	4,948.00	2,807.00	7,755.00
* 7	NWPt.33	0.14	010-126-01 (Vandermolen Homes Inc.)		503.00	503.00
* 7	NWPt.33	0.14	010-127 (D. Vandermolen)		503.00	503.00
* 7	NWPt.33	0.93	010-127-01 (D. Vandermolen)		2,009.00	2,009.00
* 7	SWPt.33	0.40	010-128 (T. Davidson & J. Shaw)		1,256.00	1,256.00
* 7	SWPt.33	0.40	010-129 (G. Anderson)		1,256.00	1,256.00
8&SB	33&Pt.2	24.8	030-062 (SWB Poultry Farms)	52,669.00	11,409.00	64,078.00
			** 030-062 (SWB Poultry Farms)	4,041.00	876.00	4,917.00
SB	1	9.7	030-057 (B. McComb)	18,668.00	4,690.00	23,358.00
			** 030-057 (B. McComb)	1,432.00	360.00	1,792.00
TOTAL ASSESSMENT ON LANDS				\$ 184,600.00	\$ 177,782.00	\$ 362,382.00

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph**

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
<b>BRANCHES D &amp; J (cont'd)</b>						
<i>Geographic Biddulph</i>						
Roman Line		2.0	Township of Lucan Biddulph	\$ 2,280.00	12,548.00	\$ 14,828.00
TOTAL ASSESSMENT ON ROADS				\$ 2,280.00	\$ 12,548.00	\$ 14,828.00
<b>SPECIAL ASSESSMENT</b> against the Township of Lucan-Biddulph for the increased cost of constructing 525mm and 900mm sewer pipes under Roman Line and a concrete block weir around the upstream end of the surface pipe						\$ 21,695.00
<b>SPECIAL ASSESSMENT</b> against the Enbridge Inc. for the increased of locating and exposing their 50mm plastic gasmain on Roman Line						\$ 2,570.00
<b>TOTAL ASSESSMENT ON BRANCHES D &amp; J</b>						<b>\$ 401,475.00</b>

**BRANCH E**

<i>Geographic Biddulph</i>						
* NLR	NWPt.11	0.09	010-174 (W. Timmermans)	\$	\$ 109.00	\$ 109.00
* NLR	NWPt.11	0.09	010-175-02 (W. Timmermans)		109.00	109.00
* NLR	NWPt.11	0.55	010-177-10 (D. & T. Vanhooydonk)		580.00	580.00
* NLR	NWPt.11	0.09	010-175-01 (R. Bannister)		109.00	109.00
* NLR	NWPt.11	0.38	010-177 (M. & N. Francis)		405.00	405.00
NLR	Pt.11&12	22.8	010-175 (Seelster Farms Inc.)	6,163.00	11,102.00	17,265.00
			** 010-175 (Seelster Farms Inc.)	342.00	615.00	957.00
NLR	EPT12	2.2	010-185 (B. & S. McComb)	1,866.00	316.00	2,182.00
			** 010-185 (B. & S. McComb)	104.00	17.00	121.00
7	Pt.33	13.3	010-126 (Seelster Farms Inc.)	15,913.00	6,857.00	22,770.00
			** 010-126 (Seelster Farms Inc.)	882.00	381.00	1,263.00
TOTAL ASSESSMENT ON LANDS				\$ 25,270.00	\$ 20,600.00	\$ 45,870.00
<b>TOTAL ASSESSMENT ON BRANCH E</b>						<b>\$ 45,870.00</b>

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

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph**

\* = Non-agricultural

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
<b>BRANCH F</b>						
<i>Geographic Biddulph</i>						
NLR	Spt.10	4.9	010-167-01 (Frans Livestock Inc.)	\$ 14,110.00	\$ 7,515.00	\$ 21,625.00
* NLR	Spt.10	0.88	010-167-10 (D. Kelly)	450.00	1,910.00	2,360.00
* NLR	Spt.10	1.6	010-169 (Roman Catholic E. C.)		2,885.00	2,885.00
TOTAL ASSESSMENT ON LANDS				\$ 14,560.00	\$ 12,310.00	\$ 26,870.00
TOTAL ASSESSMENT ON BRANCH F						<u>\$ 26,870.00</u>
<b>BRANCH G</b>						
<i>Geographic Biddulph</i>						
7	Pt.32	4.2	010-125 (H. Dietrich)	\$ 9,280.00	\$ 2,863.00	\$ 12,143.00
7	NWPt.32	6.5	010-125-01 (Hugh Dietrich Farms Ltd.)	1,670.00	5,697.00	7,367.00
TOTAL ASSESSMENT ON LANDS				\$ 10,950.00	\$ 8,560.00	\$ 19,510.00
TOTAL ASSESSMENT ON BRANCH G						<u>\$ 19,510.00</u>
<b>BRANCH H</b>						
<i>Geographic Biddulph</i>						
Roman Line		2.0	Township of Lucan Biddulph	\$ 1,740.00		\$ 1,740.00
TOTAL ASSESSMENT ON ROADS				\$ 1,740.00	\$	\$ 1,740.00
TOTAL ASSESSMENT ON BRANCH H						<u>\$ 1,740.00</u>

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

**BLAKE DRAIN 2021****Township of Lucan Biddulph**

\* = Non-agricultural

CON.	LOT	HECTARES AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
<b>BRANCH A WASCObS</b>						
<i>Geographic Biddulph</i>						
7	Pt.S½30	5.8	030-056 (Hugh J. Dietrich Farms Ltd.)	\$	\$ 726.00	\$ 726.00
7	31	35.4	010-124-50 (Grant L. Dietrich Farms Ltd.)		4,431.00	4,431.00
7	Pt.32	21.4	010-125 (H. Dietrich)		2,679.00	2,679.00
7	NWPt.32	8.7	010-125-01 (Hugh Dietrich Farms Ltd.)		1,008.00	1,008.00
7	Pt.33	3.4	010-126 (Seelster Farms Inc.)		426.00	426.00
8	30	2.0	030-066 (J. Dewan)		125.00	125.00
8	N½31	6.0	030-065 (Hugh J. Dietrich Farms)		751.00	751.00
8	S½31	15.3	030-064 (Hugh J. Dietrich Farms Ltd.)		1,915.00	1,915.00
8	32	33.3	030-063 (H. & J. Van Den Berg)	8,680.00	4,168.00	12,848.00
8&SB	33&Pt.2	14.2	030-062 (SWB Poultry Farms)	15,410.00	1,721.00	17,131.00
TOTAL ASSESSMENT ON LANDS				\$ 24,090.00	\$ 17,950.00	\$ 42,040.00
Roman Line	0.1		Township of Lucan Biddulph	\$	\$ 40.00	\$ 40.00
Mitchell Ln(Hwy 23)			Ministry of Transportation	760.00		760.00
Observatory Drive	2.0		Township of Lucan Biddulph		750.00	750.00
TOTAL ASSESSMENT ON ROADS				\$ 760.00	\$ 790.00	\$ 1,550.00
<b>TOTAL ASSESSMENT ON BRANCH A WASCObS</b>					<b>\$ <u>43,590.00</u></b>	

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

**BLAKE DRAIN 2021****Township of Lucan Biddulph**

\* = Non-agricultural

CON.	HECTARES LOT AFFECTED	ROLL No. (OWNER)	BENEFIT	OUTLET	TOTAL
<b>BRANCH D &amp; E WASCOBs</b>					
<i>Geographic Biddulph</i>					
NLR	Pt.8&9	0.2 010-166 (911670 Ontario Ltd.)	\$	\$ 32.00	\$ 32.00
NLR	NPt.10	22.8 010-167 (R. Cunningham)	5,650.00	3,638.00	9,288.00
NLR	SPt.10	11.0 010-167-01 (Frans Livestock Inc.)	1,700.00	1,675.00	3,375.00
* NLR	SPt.10	0.88 010-167-10 (D. Kelly)		169.00	169.00
* NLR	SPt.10	1.60 010-169 (Roman Catholic E. C.)		255.00	255.00
* NLR	NWPt.11	0.14 010-174 (W. Timmermans)		45.00	45.00
* NLR	NWPt.11	0.14 010-175-02 (W. Timmermans)		45.00	45.00
* NLR	NWPt.11	0.55 010-177-10 (D. & T. Vanhooydonk)		153.00	153.00
* NLR	NWPt.11	0.12 010-175-01 (R.Bannister)		38.00	38.00
* NLR	NWPt.11	0.42 010-177 (M. & N. Francis)		118.00	118.00
* NLR	NWPt.11	0.06 010-173 (K.Elliot & C. Finlayson)		19.00	19.00
* NLR	NWPt.11	0.02 010-172 (C. Luyten)		6.00	6.00
NLR	Pt.11&12	22.8 010-175 (Seelster Farms Inc.)	4,490.00	3,638.00	8,128.00
NLR	EPt12	8.2 010-185 (B. & S. McComb)	3,370.00	1,308.00	4,678.00
7	Pt.32	9.2 010-125 (H. Dietrich)		1,468.00	1,468.00
7	NWPt.32	1.7 010-125-01 (Hugh Dietrich Farms Ltd.)		168.00	168.00
* 7	NWPt.32	0.79 010-125-03 (S. Cassidy)		152.00	152.00
7	Pt.33	35.0 010-126 (Seelster Farms Inc.)	23,460.00	5,584.00	29,044.00
* 7	NWPt.33	0.14 010-126-01 (Vandermolen Homes Inc.)		45.00	45.00
* 7	NWPt.33	0.14 010-127 (D. Vandermolen)		45.00	45.00
* 7	NWPt.33	0.93 010-127-01 (D. Vandermolen)		179.00	179.00
* 7	SWPt.33	0.40 010-128 (T. Davidson & J. Shaw)		112.00	112.00
* 7	SWPt.33	0.40 010-129 (G. Anderson)		112.00	112.00
8&SB	33&Pt.2	24.8 030-062 (SWB Poultry Farms)	19,910.00	3,638.00	23,548.00
SB	1	9.7 030-057 (B. McComb)	1,760.00	1,308.00	3,068.00
TOTAL ASSESSMENT ON LANDS			\$ 60,340.00	\$ 23,950.00	\$ 84,290.00
Roman Line	2.0	Township of Lucan Biddulph	\$ 380.00	1,020.00	\$ 1,400.00
Mitchell Ln(Hwy 23)	1.2	Ministry of Transportation	\$ 2,000.00	\$	\$ 2,000.00
TOTAL ASSESSMENT ON ROADS			\$ 2,380.00	\$ 1,020.00	\$ 3,400.00
<b>TOTAL ASSESSMENT ON BRANCH D &amp; E WASCOBs</b>				<b>\$ <u>87,690.00</u></b>	
<b>TOTAL ASSESSMENT ON THE BLAKE DRAIN 2021</b>				<b>\$ <u>1,050,700.00</u></b>	



SCHEDULE OF NET ASSESSMENT

**BLAKE DRAIN 2021**  
**Township of Lucan Biddulph**

(FOR INFORMATION PURPOSES ONLY)

Job No. 220043

March 26, 2021

\* = Non-agricultural, \*\* = Non-grantable

ROLL NUMBER OWNER)	TOTAL ASSESSMENT	GRANT	ALLOWANCES	APPROX. NET
<i>Geographic Biddulph</i>				
010-166 (911670 Ontario Ltd.)	\$ 434.00	\$ 133.00	\$	\$ 301.00
** 010-166 (911670 Ontario Ltd.)	31.00			31.00
010-167 (R. Cunningham)	72,113.00	22,091.00	6,850.00	43,172.00
** 010-167 (R. Cunningham)	4,922.00			4,922.00
010-167-01 (Frans Livestock Inc.)	48,882.00	14,974.00	4,210.00	29,698.00
** 010-167-01 (Frans Livestock Inc.)	1,880.00			1,880.00
* 010-167-10 (D. Kelly)	4,541.00			4,541.00
* 010-169 (Roman Catholic E. C.)	6,180.00			6,180.00
* 010-174 (W. Timmermans)	490.00			490.00
* 010-175-02 (W. Timmermans)	490.00			490.00
* 010-177-10 (D. & T. Vanhooydonk)	1,542.00			1,542.00
* 010-175-01 (R.Bannister)	406.00			406.00
* 010-177 (M. & N. Francis)	1,219.00			1,219.00
* 010-173 (K.Elliot & C. Finlayson)	249.00			249.00
* 010-172 (C. Luyten)	83.00			83.00
010-175 (Seelster Farms Inc.)	43,132.00	13,213.00	430.00	29,489.00
** 010-175 (Seelster Farms Inc.)	2,420.00			2,420.00
010-185 (B. & S. McComb)	24,751.00	7,582.00	2,150.00	15,019.00
** 010-185 (B. & S. McComb)	1,530.00			1,530.00
030-056 (Hugh J. Dietrich Farms Ltd.)	12,104.00	3,708.00	60.00	8,336.00
** 030-056 (Hugh J. Dietrich Farms Ltd.)	2,166.00			2,166.00
010-124-50 (Grant L. Dietrich Farms Ltd.)	79,948.00	24,491.00	4,360.00	51,097.00
** 010-124-50 (Grant L. Dietrich Farms Ltd.)	7,586.00			7,586.00
010-125 (H. Dietrich)	95,618.00	29,291.00	11,770.00	54,557.00
** 010-125 (H. Dietrich)	6,713.00			6,713.00
010-125-01 (Hugh Dietrich Farms Ltd.)	21,411.00	6,559.00	80.00	14,772.00
** 010-125-01 (Hugh Dietrich Farms Ltd.)	1,464.00			1,464.00
* 010-125-03 (S. Cassidy)	1,927.00			1,927.00
010-126 (Seelster Farms Inc.)	164,001.00	50,239.00	24,050.00	89,712.00
** 010-126 (Seelster Farms Inc.)	9,896.00			9,896.00
* 010-126-01 (Vandermolen Homes Inc.)	568.00			568.00
* 010-127 (D. Vandermolen)	568.00			568.00
* 010-127-01 (D. Vandermolen)	2,269.00			2,269.00
* 010-128 (T. Davidson & J. Shaw)	1,419.00			1,419.00
* 010-129 (G. Anderson)	1,419.00			1,419.00
030-066 (J. Dewan)	1,505.00	461.00		1,044.00
** 030-066 (J. Dewan)	141.00			141.00
030-065 (Hugh J. Dietrich Farms)	9,289.00	2,846.00		6,443.00
** 030-065 (Hugh J. Dietrich Farms)	873.00			873.00
030-064 (Hugh J. Dietrich Farms Ltd.)	21,965.00	6,729.00	1,970.00	13,266.00
** 030-064 (Hugh J. Dietrich Farms Ltd.)	1,976.00			1,976.00
030-063 (H. & J. Van Den Berg)	87,651.00	26,850.00	16,550.00	44,251.00
** 030-063 (H. & J. Van Den Berg)	8,468.00			8,468.00
030-062 (SWB Poultry Farms)	164,582.00	50,417.00	16,680.00	97,485.00
** 030-062 (SWB Poultry Farms)	12,106.00			12,106.00
030-057 (B. McComb)	26,944.00	8,254.00	4,640.00	14,050.00
** 030-057 (B. McComb)	1,868.00			1,868.00
030-123 (A. & Z. Carreau)	1,890.00	579.00		1,311.00
** 030-123 (A. & Z. Carreau)	210.00			210.00
* Roman Line	\$ 19,016.00	\$	\$	\$ 19,016.00
* Mitchell Ln(Hwy 23)	4,632.00			4,632.00
* Observatory Drive	14,132.00			14,132.00
* <u>Non Prorated Special Assessments</u>				
* Roman Line	21,695.00			21,695.00
* Mitchell Ln(Hwy 23)	18,330.00			18,330.00
* Observatory Drive	6,485.00			6,485.00
* Enbridge Inc	2,570.00			2,570.00
<b>TOTALS</b>	<b>\$ 1,050,700.00</b>	<b>\$ 268,417.00</b>	<b>\$ 93,800.00</b>	<b>\$ 688,483.00</b>