

BY-LAW NUMBER 22-25

-of-

THE CORPORATION OF THE COUNTY OF BRANT

To provide for drainage works in the County of Brant (Lowes-Amey
Municipal Drain)

WHEREAS the Council of the Corporation of the County of Brant has appointed K. Smart Associates Limited, by resolution to prepare a report for improvement of the existing Lowes-Amey Municipal Drain in accordance with Section 76 of the Drainage Act, R.S.O. 1990;

AND WHEREAS the Council of The Corporation of The County of Brant has procured a report under Sections 76 of the Drainage Act, R.S.O. 1990, as amended, Chapter D.17, K. Smart Associates Limited, dated January 31, 2025, attached hereto as Schedule "A" and forming part of this by-law;

AND WHEREAS the estimated total cost to prepare the report for the drainage works is eighteen thousand dollars (\$18,000.00);

AND WHEREAS one thousand, four hundred fifty dollars (\$1,450.00) is the amount to be contributed by the municipality for the County land and road portions of the drainage works;

AND WHEREAS the Council is of the opinion that the proposed works are required;

NOW THEREFORE THE COUNCIL OF THE CORPORATION OF THE COUNTY OF BRANT
enacts as follows:

1. **THAT** the report prepared by K. Smart Associates Limited dated January 31, 2025, and attached hereto as Schedule "A" is hereby adopted
2. **AND THAT** the Corporation of the County of Brant may borrow on the credit of the corporation the amount of \$18,000.00 being the amount necessary for the preparation and construction of the report
3. **AND THAT** for paying the amount of \$1,450.00 being the amount assessed upon the lands and roads within the municipality, a special rate sufficient to pay the amount assessed, plus interest thereon, shall be levied upon the whole rateable properties in The Corporation of The County of Brant for one (1) year after the passing of this by-law to be collected in the same manner and at the same time as other taxes are collected
4. **THAT** all assessments of One Thousand Dollars (\$1000.00) or less are payable in the first year in which the assessment is imposed.

5. **THAT** this by-law comes into force on the passing thereof and may be cited as the Lowes-Amey Municipal Drain.

READ a first and second time and provisionally adopted, this 4th day of March, 2025.

THE CORPORATION OF THE COUNTY OF BRANT

David Bailey, Mayor

Briar Allison, Deputy Clerk

READ a third time and finally passed in Council, this 13th day of May, 2025.

THE CORPORATION OF THE COUNTY OF BRANT

David Bailey, Mayor

Spencer Pluck, Deputy Clerk

ENGINEERING REPORT

For

LOWES-AMEY MUNICIPAL DRAIN *(Section 76 Report)*

County of Brant

(Geographic Township of Burford)

Date: January 31, 2025

File No. 23-237



K. SMART ASSOCIATES LIMITED
CONSULTING ENGINEERS & PLANNERS

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DRAWING 1

Definitions:

“Act” means The Drainage Act RSO 1990

“CSP” means “Corrugated Steel Pipe”

“Drain” means Lowes-Amey Municipal Drain

“Grant” means Agricultural Drainage Infrastructure Program

“HDPE” means “High-Density Polyethylene”

“Ministry” means The Ministry of Agriculture, Food and Rural Affairs

“Municipality” means The County of Brant

“Tribunal” means Agriculture, Food and Rural Affairs Appeal Tribunal

“Ø” means diameter



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January 31, 2025

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LOWES-AMEY MUNICIPAL DRAIN

County of Brant

1) EXECUTIVE SUMMARY

This report is prepared pursuant to Section 76 of the Drainage Act RSO 1990 (the Act).

On October 24, 2023, K. Smart Associates Limited was appointed by Council resolution to prepare a report on the Lowes-Amey Municipal Drain, pursuant to Section 76 of the Act.

The primary objective of this report is to update maintenance schedules and confirm watershed boundaries and maintenance provisions. The estimated cost of this report is \$18,000.

The total drain length for maintenance purposes is 5,477m (17,969ft).

The watershed served is approximately 941.2 hectares (2,326 acres).

Assessment schedules are provided to distribute the cost of this report and maintenance of the drainage works.

- Schedule A shows the assessment of the report cost
- Schedule B will be used for prorating maintenance cost
- Appendix A illustrates the calculation of the assessments outlined in Schedule B.

2) DRAINAGE HISTORY

The Lowes-Amey Municipal Drain is an open ditch, over 5km in length, located to the northwest of Burford, east of Middle Townline Road and crossing Highway 403. The Drain was last updated in full under a report by John B. Dodd O.L.S. dated May 21, 1975, under Section 78 of the Drainage Act (By Law 1915-75). This report proposed a cleaning/deepening of the existing open ditch for nearly the full length of Drain (with exception of the lower 2,500 feet deemed not necessary at the time). Existing culverts were lowered as required.

Prior to this 1975 report, another full report on the Lowes-Amey Municipal Drain was completed by John B. Dodd, O.L.S., dated January 31, 1962. The 1962 report explained that the original Lowes-Amey Municipal Drain consisted of 3,400 feet of open ditch from Horner Creek north, constructed in 1914. It was also known that in 1927 the Drain was “*extended upstream*”, however records were incomplete to be able to say how far the extension was made. Therefore, in his 1962 report, John B. Dodd treated the Lowes-Amey Municipal Drain as if it were a completely new drain.

After 1975, reports under section 65 of the Act have been completed in 1979 & 1989 to recognize severances with the watershed.

No construction work has been undertaken to the Drain since 1975.

3) APPOINTMENT BACKGROUND

It is understood that a request for maintenance has been made to the County of Brant for portions of the Lowes-Amey Municipal Drain. It is also understood that a request was submitted to the County for an update to the watershed and assessment schedules for the Drain by an assessed owner.

Furthermore, select paragraphs from the County of Brant Council resolution reads:

“And whereas the Lowes-Amey Municipal Drain was last improved under a report prepared by John B. Dodd, O.L.S., dated May 21, 1975, and adopted by By-Law 1915 of the former Township of Burford;

“And whereas a property owner assessed into the Lowes-Amey Municipal Drain has requested that the assessment schedule in the report dated May 21, 1975, be updated;”

“And whereas the Lowes-Amey Municipal Drain assessment schedule used for future maintenance would appear to need updating;”

Upon a review of the current report by-law (watershed and assessment schedule for future maintenance), it is apparent to this engineer that the current by-law should not be used for maintenance. Significant lands to the east and northwest areas of the governing watershed boundary appear to convey overland surface waters into the Lowes-Amey Municipal Drain that were not shown to be contained in the current watershed and assessed as a part of the schedule for future maintenance.

In addition, a new schedule of assessment for future maintenance with sections of the Drain broken down into intervals would assist the Municipality in assessing costs in a fair and equitable manor, should only select sections of the Drain require maintenance at a given time.

4) AUTHORITY FOR REPORT

On October 24, 2023, K. Smart Associates Limited was appointed by resolution of the County of Brant Council to prepare a report on the Drain, pursuant to Section 76 of the Act. This report provides only for the creation of a new major watershed boundary, and a schedule of assessment for future maintenance.

No construction is proposed as a part of a report under section 76 of the Drainage Act, RSO 1990.

5) On-Site Meeting

On January 30, 2025 an on-site meeting was held in accordance with the Act. Notice of the meeting was sent to landowners in the watershed.

The following were in attendance: Joe Sroka, Don Lane, Lisa Tomkinson, Alexis Marcella, Imelda Edgeworth, Dan Bailey, Jillian Scott, Marcus Stryker, Bertus Kroondijk, Shannon Tweedle (Drainage Superintendent), Vladimir Solarzano (Engineering assistant), and Curtis MacIntyre (Engineer).

Discussion topics included the scheduled maintenance work for summer 2025, the requirement of a new maintenance schedule, the extents of the drain, hypothetical maintenance assessments, and assessments for this Section 76 report. The engineer also discussed the drain location in relation to property lines, as depicted on the watershed plan, with Mr. Lane. A follow up site visit was made to confirm the drain location and the need to update the parcel fabric.

No significant concerns were raised.

6) WATERSHED DESCRIPTION

The watershed as defined in this report was established primarily using topographic information (LiDAR) provided by the province, in addition to on site investigations at select locations. In some locations, the new watershed has been compared and found to generally agree with the previous watershed, as per the John B. Dodd, O.L.S. report of 1975. However, additional lands on Lot 7 & 8, Concessions 3 & 4, and on the northern portion of Lot 12, Concession 2, not previously included, have now been included in the new watershed.

The watershed is composed of approximately 64% agricultural lands, 30% forest lands, and 6% roads.

7) EXISTING DRAIN

7.1) Drain Stations

The following table outlines, simply, the different sections of the Lowes-Amey Municipal Drain as it exists and is to be maintained by the County of Brant. For greater detail on grades, shapes/sizes, and other specifications, for the Lowes-Amey Municipal Drain reference should be made to the John B. Dodd, O.L.S Report dated May 21, 1975.

Table 7-1 - Drain Intervals and Specifications

<u>Drain Interval</u>	<u>Stations (from 1975 Report in feet)</u>	<u>Open/ Closed</u>	<u>Specifications</u>
Interval 1	0+00 to 65+25	Open	0+00 to 24+85 - 1m bottom, 1.5:1 side slope 24+85 to 65+25 - 1.5m bottom, 1.5:1 side slope
Interval 2	65+25 to 90+55	Open	1.2m bottom, 1.5:1 side slope
Interval 3	90+55 to 112+00	Open	1.2m bottom, 1.5:1 side slope
Interval 4	112+00 to 138+20	Open	112+00 to 115+00 - 1.2m bottom, 1.5:1 side slope 115+00 to 138+20 - 1m bottom, 1.5 side slope
Interval 5	138+20 to 179+69	Open	138+20 to 179+69 - 1m bottom, 1.5 side slope

7.2) Culverts

Upon review of the 1962 report by John B. Dodd, O.L.S., it is understood that the report provided “Severance” allowances (now referred to as “Loss of Access”) to all properties along the Lowes-Amey Drain, in lieu of constructing farm access crossings. The report provided severance amounts ranging from \$50 to \$340 in proportion to the minimum size of culvert required along the Drain (18” to 72” minimum diameter). Under the 1975 report, existing culverts are depicted on the profile, with a construction item listed for adjusting culvert grades, however no further mention is made in the report regarding status nor construction of any new culverts. Therefore, it is confirmed that all existing culverts on the Lowes-Amey Drain are private and therefore the physical and financial responsibility of the property owner.

The following table identifies all existing culverts on the Drain as depicted in the 1975 report and verified by site inspection. The table also lists the Minimum Culvert Size as originally indicated by John B. Dodd, O.L.S. under the 1962 report of the Lowes-Amey Drain. It is important to note that the minimum culvert sizes determined in 1962 may no longer meet the current regulatory requirements. Should an owner desire to construct or replace an existing private culvert on the Lowes-Amey Municipal Drain, they are to follow the current regulatory permits/requirements established by the applicable regulatory bodies (contact the County of Brant Drainage Superintendent for guidance). A starting reference can be made to the Minimum Culvert Size in the table below, with the selected size being at least the minimum stated.

Table 7-2 - Summary of Culverts

<u>Roll No. / Road</u>	<u>Station</u>	<u>Existing</u>	<u>Minimum Culvert Size (from 1962 report)</u>
(040-68400)	24+66	9m x 1800mm CSP (72")	72"
5 th Concession Road	41+94	2800mm SPCSP	
(040-75400)	45+29	6m x 1800mm CSP (72")	60"
(040-75200)	49+84	6m x 1800mm CSP (72")	60"
Golf Links Road	90+55	1800mm High x 3300mm Wide SPCSP ARCH	
Highway 403 (Alexander Graham Bell PWY)	112+00	2000mm High x 3000mm Wide Concrete Box Culvert	
(040-81300)	119+05	5m x 1650mm CSP (66")	48"
3 rd Concession Road	138+00	12m x 900mm CSP (36")	
(040-83200)	159+47	6m x 600mm CSP (24")	30" Note

Note: Given that a detailed site review and hydrologic analysis was not a part of the scope of this report under Section 76 of the Act, the existing 24" (600mm) diameter culvert on property with Roll No. 040-83200 may or may not be sufficient, as is, even though it does not meet the original engineer's minimum size. No action is required unless the owner wishes to replace the existing 24" diameter access crossing, then, as stated on page 4, current regulatory permits/requirements should be followed, with the size at least meeting the minimum stated above.

8) DRAWINGS

8.1) Drain Location and Watershed Plan

The location of the Drain (solid, black, bold line) and the affected properties are shown on Drawing No. 1 included with this report. The numbers adjacent to the drain are station numbers which indicate in *feet* the distance along the drain from the outlet. The dashed black, bold line depicts the watershed limits of the Drain.

8.2) Alignment of Drains

For maintenance purposes, the drain location on Drawing No. 1 is based on the current, governing report, adjusted to match available aerial mapping.

In the absence of survey bars, existing fences and similar boundary features are assumed to represent property lines. Should landowners desire a more precise location for the drain

in relation to their property line or if there is dispute about the location of any property line, it is recommended that landowners obtain a legal survey at their own cost prior to maintenance work.

9) COSTS

9.1) Engineering Cost Estimate

Engineering Costs include report preparation and attending the Council meeting to consider report and Court of Revision.

The cost for report preparation is usually not altered at the conclusion of a project unless the report is referred back or the report is appealed to the Drain Tribunal which would result in additional cost. The amount shown for meetings is an estimate. The final cost will be based on the actual time required for meetings. Engineering costs are summarized in Table 9-1 - Estimated Cost Summary.

9.2) Estimate of Section 73 Costs

Section 73(2) and 73(3) of the Act direct that the cost of services provided by municipal staff and Council to carry out the Act process shall not form part of the final cost of the drain. However, Section 73(1) outlines that the following costs incurred by the municipality can be included in the cost of the drain: “cost of any application, reference or appeal and the cost of temporary financing.” The estimate of Section 73 costs is included to cover the cost of carrying out the required procedures under the Act.

9.3) Harmonized Sales Tax

The Harmonized Sales Tax (HST) will apply to most costs on this project. The Municipality is eligible for a partial refund on HST paid, the net 1.76% HST is included in the cost estimates in this report.

9.4) Estimated Cost Summary

Table 9-1 - Estimated Cost Summary

ENGINEERING	
Report Preparation	16,688.68
Consideration of Report Meeting	500
Court of Revision	500
Net HST (1.76%)	311.32
TOTAL ENGINEERING COSTS:	\$18,000
SECTION 73 COSTS	
TOTAL SECTION 73 COSTS:	\$0
TOTAL ESTIMATED COST:	\$18,000

10) ASSESSMENTS

The Drainage Act requires that the total estimated cost be assessed to the affected lands and roads under the categories of Benefit (Section 22), Outlet Liability (Section 23), Injuring Liability (Section 23), Special Benefit (Section 24) and Increased Cost (Section 26). On this project only assessments for Benefit and Outlet Liability are involved.

10.1) Calculation of Assessments

The method of calculating the assessment for the purpose of Future Maintenance of the Drain is illustrated in Appendix A, included with this report. Appendix A divides the Drain into intervals. An estimated (hypothetical) cost of future maintenance is established at the top of the column for each interval. This hypothetical maintenance cost is not a real cost at this time, and is included only for establishing the Benefit and Outlet Liability assessments for each property. The hypothetical maintenance cost is a reflection of the potential cost for cleanout/brushing of the open ditch across a given interval.

For each interval, the first step in the assessment calculation is to determine the benefit assessment to the affected lands and roads. After deducting the total benefit from the hypothetical maintenance cost (per interval), the balance of the cost is then assessed as outlet liability on a per hectare basis to all lands and roads within and/or upstream of this interval.

10.2) Benefit Assessments (Section 22 and 24)

Section 22 benefits were calculated for lands that benefit from the existence of the drain and are not proportional to watershed area. Where applicable, Section 22 benefits are outlined per interval in Appendix A.

10.3) Outlet Liability Assessment (Section 23)

Section 23(3) of the Drainage Act states that outlet liability assessment is to be based on the volume and rate of flow of the water artificially caused to flow. To satisfy this requirement, the lands and roads in the watershed are assessed on a per hectare basis, with adjustments made to recognize the different amount of runoff generated by different land uses. The basis for the adjustments is 1 hectare of cleared agricultural land contributing both surface and subsurface water to the drain. Land uses with a different runoff rate are adjusted by the factors given in the Table 10-1 - Runoff Factors Table.

Table 10-1 - Runoff Factors Table

Land Use	Runoff factor
Agricultural	1
Forest	0.5
Gravel Road	2
Paved Road	3

11) Assessment Schedules

In accordance with Section 74 of the Act, the Drain is to be maintained by the municipality and the cost of maintenance assessed to lands/roads upstream of the maintenance location. In the assessment schedules, each parcel of land assessed has been identified by the municipal assessment roll number at the time of the preparation of this report. The size of each parcel was established using the assessment roll information. For convenience only, each parcel is also identified by the owner name(s).

There are no grants available towards the cost of preparing a Section 76 report. However, maintenance costs may be eligible for grant. Grant eligibility will be determined by the Municipality when actual maintenance costs are levied.

11.1) Schedule A - Schedule of Assessments

The estimated cost for this report is distributed among lands and roads as shown in Schedule A, the Schedule of Assessments for Report. Lands have been broken down into five (5) categories of assessments. Those include:

1. Large agricultural properties (>15 ha.)	\$450
2. Medium agricultural properties with bush lands (5< ha.< 15)	\$350
3. Smaller agricultural properties (<5 ha.)	\$200
4. Primarily bush lots	\$150
5. Other small residential lots	\$100

11.2) Schedule B - Schedule of Assessment for Maintenance

Schedule B amounts are not payable at this time, they will be used to prorate maintenance cost. The amounts in Schedule B are derived from the cost distribution shown in Appendix A. Refer to 10.1) *Calculation of Assessments* for a detailed explanation of how maintenance assessments were arrived at.

Schedule B is divided into columns to reflect the different drain intervals where maintenance work may be undertaken. These intervals assist in identifying upstream lands and roads to be assessed for maintenance. The percentages shown in Schedule B determine the share of maintenance to be levied on a property/road. For example, a \$1,000 beaver dam removal will result in a \$50 assessment to a property with a 5% maintenance assessment.

12) MAINTENANCE

The following paragraphs apply for maintenance of the Drain.

12.1) Culverts

- The costs of cleaning through all culverts shall be assessed as drain maintenance to upstream lands and roads.
- As stated above, since the status of all culverts are deemed private, the cost of installation, repair, replacement and removal are the responsibility of each owner.
- Prior approval of the Municipality is required before a landowner installs a culvert on the Drain.

12.2) Access and Obstructions

According to Section 74 of the Act, a right-of-way along the drain and access routes to the drain exist for the Municipality to maintain the drain. The right-of-way for the drain and the drain itself shall remain free of obstructions. The cost for removing obstructions is the responsibility of the owner.

12.3) New Connections

Any landowner making a new connection to the Drain, shall notify the Drainage Superintendent before making the connection. If the Drainage Superintendent is not notified, the cost to remedy new connections that obstruct or otherwise damage the drain will be the responsibility of the owner.

12.4) Landowner Inspection of Drain

All parties affected by the Drain, are encouraged to periodically inspect the drain and report any visible or suspected problems to Municipality.

12.5) Updating Future Maintenance Schedules

To ensure future maintenance assessments are equitable, the assessments provided in this report should be reapportioned under Section 65 when severances or amalgamations occur, when new lands are connected to the Drain or when a land-use change occurs that can be accommodated by the existing Drain. If a future land-use change will cause the drain capacity to be exceeded, a report under Section 4 or 78 may be required to provide increased capacity.

13) PRIVACY OF LANDS

Although a municipal drain is situated on the property of various landowners, one landowner may not enter another landowner's property by means of the drain. Persons authorized to enter private lands to carry out duties authorized under the Act include: Engineers, Contractors, and the appointed Drainage Superintendents (or their assistants).

14) BYLAW

This report including the assessment schedules, appendix and drawing(s), when adopted by bylaw in accordance with the Act, provides the basis for maintenance of the Lowes-Amey Municipal Drain. The John B. Dodd report dated May 21, 1975, shall govern the grades, shapes/sizes, and specifications for the Drain.

All of which is respectfully submitted,

K. SMART ASSOCIATES LTD.



Curtis MacIntyre, P. Eng.



**SCHEDULE A - SCHEDULE OF ASSESSMENTS FOR REPORT
LOWES-AMEY MUNICIPAL DRAIN
COUNTY OF BRANT**

Con	Lot	Roll No. (Owner)	Total ha affected	Gross Total Assessment (\$)
County of Brant (Roll No. 2920011-)				
5	Pt. Lot 9 & 10	040-68400 (Robert Edgeworth)	63.9	450
5	Pt. Lot 9	040-68500 (Grand River Conservation Authority)	22.3	450
5	Pt. Lot 9	040-68600 (Danny & Janet Bailey)	0.5	100
4	Pt. Lot 10 & 11	040-74300 (Woodbury Farms Ltd.)	24.6	450
4	Pt. Lot 9 & 10	040-74400 (Paul & Dori Lehmann)	43.6	450
4	Pt. Lot 8 & 9	040-74500 (Pond Meadows Inc.)	29.0	450
4	Pt. Lot 7	040-74501 (Mervin & Mary Bell)	0.3	100
4	Pt. Lot 8	040-74510 (Trent Malcolm)	0.4	100
4	Pt. Lot 8	040-74550 (James Lehmann)	0.6	100
4	Pt. Lot 7	040-74600 (571245 Ontario Ltd.)	27.0	450
4	Pt. Lot 7	040-74610 (Mike Banks & Michelle Earls)	0.2	100
4	Pt. Lot 7	040-74650 (Justin & Lucinda Lehmann)	0.4	100
4	Pt. Lot 7, 8 & 9	040-74800 (Tansleyview Holsteins Ltd)	43.1	450
4	Pt. Lot 9	040-75100 (Danny & Janet Bailey)	14.3	350
4	Pt. Lot 9	040-75200 (Donald & Marilyn Lane)	6.1	150
4	Pt. Lot 9	040-75300 (Donald Lane)	0.4	100
4	Pt. Lot 9	040-75400 (Alexis Marcella)	9.2	350
4	Pt. Lot 10	040-75500 (Robert Edgeworth)	15.5	350
3	Pt. Lot 12	040-80800 (Mildred Tillotson, Linda Deveney)	12.0	350
3	Pt. Lot 12	040-80850 (Joe & Angela Sroka Farm Produce)	16.3	350
3	Pt. Lot 11	040-80900 (Joe & Angela Sroka Farm Produce)	35.4	450
3	Pt. Lot 10	040-81000 (Jillian Scott, Rachel Banham)	37.2	450
3	Pt. Lot 9	040-81100 (Antonio & Josephine Nadalin)	8.5	150
3	Pt. Lot 9	040-81200 (Marcus & Jennifer Stryker)	14.6	350
3	Pt. Lot 8 & 9	040-81300 (1322381 Ontario Inc.)	30.1	450
3	Pt. Lot 8	040-81400 (Leslie Lorincz)	2.0	100
3	Pt. Lot 8	040-81500 (Joe & Angela Sroka Farm Produce)	15.9	350
3	Pt. Lot 7	040-81590 (Martha Proceviat)	0.2	100
3	Pt. Lot 7	040-81600 (Ian Shaw)	0.9	450
3	Pt. Lot 7	040-81700 (Matthew & Shannon Caudle)	4.4	150
3	Pt. Lot 7	040-81800 (Myles & Brontley Pynenburg)	13.9	350
3	Pt. Lot 7 & 8	040-81900 (Tricor Farms Ltd.)	44.0	450
3	Pt. Lot 7	040-81902 (Robert Foster)	0.1	100
3	Pt. Lot 8	040-81950 (Keith & Jennifer Matheson)	0.4	100
3	Pt. Lot 8 & 9	040-82000 (Woodbury Leaf Inc.)	22.0	450
3	Pt. Lot 8	040-82010 (Elizabeth Thompson, Denise Hernandez)	0.4	100
3	Pt. Lot 9	040-82100 (Craig & Sarah Matheson)	9.9	350
3	Pt. Lot 9	040-82200 (Margaret Campbell Estate)	18.1	150
3	Pt. Lot 9	040-82210 (Ministry of Transportation Ontario)	4.9	150
3	Pt. Lot 10	040-82230 (Tansleyview Holsteins Ltd)	16.7	350
3	Pt. Lot 10	040-82240 (Bradley & Lindsay Hunter)	0.6	100
3	Pt. Lot 10	040-82300 (Benona & Kimberley Mannen)	0.9	100
3	Pt. Lot 10 & 11	040-82400 (John & Paul Kowalczyk)	35.2	450
3	Pt. Lot 11	040-82500 (Woodbury Leaf Inc.)	8.6	350
3	Pt. Lot 12	040-82600 (Woodbury Leaf Inc.)	5.2	200
3	Pt. Lot 12	040-82700 (Joseph, Joseph, Jason & Joshua Slusarczyk)	1.8	200
2	Pt. Lot 12	040-82800 (DG Global Grain Inc.)	4.3	200
2	Pt. Lot 12	040-82850 (RJ Wilson Investments Ltd.)	2.8	200
2	Pt. Lot 12	040-82900 (Pennmar Holdings Inc.)	47.2	450
2	Pt. Lot 11	040-82950 (Joseph & Irene Demeulenaere)	0.9	100
2	Pt. Lot 11	040-83100 (2275223 Ontario Ltd.)	61.7	450
2	Pt. Lot 10	040-83200 (A & R DaSilva Farms Ltd.)	68.4	450
2	Lot 9	040-83300 (Beverly Realty Investments Inc.)	32.8	450
2	Pt. Lot 12	040-83900 (Todd & Emily Box)	1.1	100
2	Pt. Lot 12	040-83901 (Allan Vandecappelle)	0.6	100
2	Pt. Lot 12	040-83920 (Prime-Tech Precision Inc.)	7.6	350
2	Pt. Lot 12	040-83950 (Mona & Nicola Dinardo)	0.4	100
Total Assessments on Lands:			889.4	15,650
Middle Townline Road (County of Brant)			2.1	350
3rd Concession Road (County of Brant)			5.1	350
Golf Links Road (County of Brant)			5.1	350
5th Concession Road (County of Brant)			0.8	200
Wight Road (County of Brant)			1.1	200
Highway 403 (M.T.O.)			37.6	900
Total Assessments on Roads:			51.8	2,350
TOTAL ASSESSMENTS LOWES-AMEY MUNICIPAL DRAIN (For Report):			941.2	18,000

Notes:

- Section 21 of the Drainage Act, RSO 1990 requires that assessments be shown opposite each parcel of land and road affected. The affected parcels of land have been identified using the roll number from the last revised assessment roll for the Township. For convenience the owner's names as shown by the last revised assessment roll have also been included.

**SCHEDULE B - SCHEDULE OF ASSESSMENTS FOR FUTURE MAINTENANCE
LOWES-AMEY MUNICIPAL DRAIN
COUNTY OF BRANT**

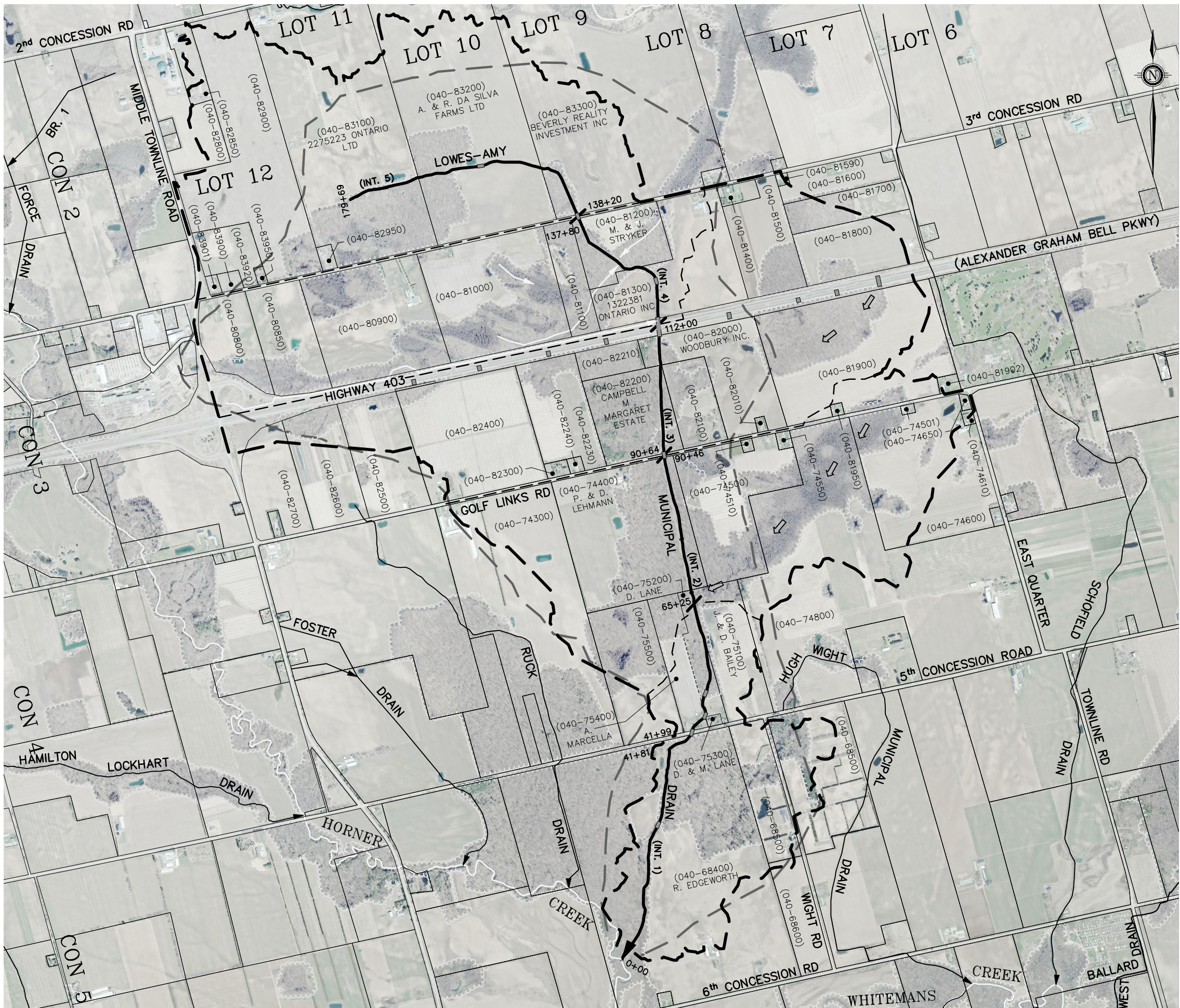
			LOWES-AMEY MUNICIPAL DRAIN										Main Drain	
			Interval 1		Interval 2		Interval 3		Interval 4		Interval 5		Total	
			0+00 to 65+25		65+25 to 90+46		90+46 to 112+00		112+00 to 138+20		138+20 to 179+69			
Con	Lot	Roll No. (Owner)	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%
County of Brant (Roll No. 2920011-)														
5	Pt. Lot 9 & 10	040-68400 (Robert Edgeworth)	3,751	13.64	0	0.00	0	0.00	0	0.00	0	0.00	3,751	4.94%
5	Pt. Lot 9	040-68500 (Grand River Conservation Authority)	466	1.69	0	0.00	0	0.00	0	0.00	0	0.00	466	0.61%
5	Pt. Lot 9	040-68600 (Danny & Janet Bailey)	12	0.04	0	0.00	0	0.00	0	0.00	0	0.00	12	0.02%
4	Pt. Lot 10 & 11	040-74300 (Woodbury Farms Ltd.)	590	2.15	199	1.90	0	0.00	0	0.00	0	0.00	789	1.04%
4	Pt. Lot 9 & 10	040-74400 (Paul & Dori Lehmann)	758	2.76	705	6.71	0	0.00	0	0.00	0	0.00	1,463	1.93%
4	Pt. Lot 8 & 9	040-74500 (Pond Meadows Inc.)	537	1.95	856	8.15	0	0.00	0	0.00	0	0.00	1,393	1.83%
4	Pt. Lot 7	040-74501 (Mervin & Mary Bell)	7	0.03	2	0.02	0	0.00	0	0.00	0	0.00	9	0.01%
4	Pt. Lot 8	040-74510 (Trent Malcolm)	10	0.04	3	0.03	0	0.00	0	0.00	0	0.00	13	0.02%
4	Pt. Lot 8	040-74550 (James Lehmann)	15	0.05	5	0.05	0	0.00	0	0.00	0	0.00	20	0.03%
4	Pt. Lot 7	040-74600 (571245 Ontario Ltd.)	578	2.10	195	1.86	0	0.00	0	0.00	0	0.00	773	1.02%
4	Pt. Lot 7	040-74610 (Mike Banks & Michelle Earls)	5	0.02	2	0.02	0	0.00	0	0.00	0	0.00	7	0.01%
4	Pt. Lot 7	040-74650 (Justin & Lucinda Lehmann)	10	0.04	3	0.03	0	0.00	0	0.00	0	0.00	13	0.02%
4	Pt. Lot 7, 8 & 9	040-74800 (Tansleyview Holsteins Ltd)	767	2.79	252	2.40	0	0.00	0	0.00	0	0.00	1,019	1.34%
4	Pt. Lot 9	040-75100 (Danny & Janet Bailey)	608	2.21	10	0.10	0	0.00	0	0.00	0	0.00	618	0.81%
4	Pt. Lot 9	040-75200 (Donald & Marilyn Lane)	690	2.51	53	0.50	0	0.00	0	0.00	0	0.00	743	0.98%
4	Pt. Lot 9	040-75300 (Donald Lane)	10	0.04	0	0.00	0	0.00	0	0.00	0	0.00	10	0.01%
4	Pt. Lot 9	040-75400 (Alexis Marcella)	585	2.13	20	0.19	0	0.00	0	0.00	0	0.00	605	0.80%
4	Pt. Lot 10	040-75500 (Robert Edgeworth)	238	0.87	58	0.55	0	0.00	0	0.00	0	0.00	296	0.39%
3	Pt. Lot 12	040-80800 (Mildred Tillotson, Linda Deveney)	257	0.93	87	0.83	110	1.22	272	2.37	0	0.00	726	0.96%
3	Pt. Lot 12	040-80850 (Joe & Angela Sroka Farm Produce)	352	1.28	119	1.13	150	1.67	372	3.23	0	0.00	993	1.31%
3	Pt. Lot 11	040-80900 (Joe & Angela Sroka Farm Produce)	678	2.47	228	2.17	288	3.20	715	6.22	0	0.00	1,909	2.51%
3	Pt. Lot 10	040-81000 (Jillian Scott, Rachel Banham)	668	2.43	225	2.14	284	3.16	705	6.13	0	0.00	1,882	2.48%
3	Pt. Lot 9	040-81100 (Antonio & Josephine Nadalin)	121	0.44	41	0.39	52	0.58	128	1.11	0	0.00	342	0.45%
3	Pt. Lot 9	040-81200 (Marcus & Jennifer Stryker)	238	0.87	80	0.76	101	1.12	651	5.66	0	0.00	1,070	1.41%
3	Pt. Lot 8 & 9	040-81300 (1322381 Ontario Inc.)	702	2.55	237	2.26	299	3.32	1,141	9.92	0	0.00	2,379	3.13%
3	Pt. Lot 8	040-81400 (Leslie Lorincz)	49	0.18	16	0.15	21	0.23	0	0.00	0	0.00	86	0.11%
3	Pt. Lot 8	040-81500 (Joe & Angela Sroka Farm Produce)	333	1.21	112	1.07	142	1.58	0	0.00	0	0.00	587	0.77%
3	Pt. Lot 7	040-81590 (Martha Proceviat)	5	0.02	2	0.02	2	0.02	0	0.00	0	0.00	9	0.01%
3	Pt. Lot 7	040-81600 (Ian Shaw)	22	0.08	7	0.07	9	0.10	0	0.00	0	0.00	38	0.05%
3	Pt. Lot 7	040-81700 (Matthew & Shannon Caudle)	56	0.20	19	0.18	24	0.27	0	0.00	0	0.00	99	0.13%
3	Pt. Lot 7	040-81800 (Myles & Brontley Pynenburg)	318	1.16	107	1.02	135	1.50	0	0.00	0	0.00	560	0.74%
3	Pt. Lot 7 & 8	040-81900 (Tricor Farms Ltd.)	840	3.05	283	2.70	283	3.14	0	0.00	0	0.00	1,406	1.85%
3	Pt. Lot 7	040-81902 (Robert Foster)	2	0.01	1	0.01	0	0.00	0	0.00	0	0.00	3	0.00%
3	Pt. Lot 8	040-81950 (Keith & Jennifer Matheson)	10	0.04	3	0.03	0	0.00	0	0.00	0	0.00	13	0.02%
3	Pt. Lot 8 & 9	040-82000 (Woodbury Leaf Inc.)	512	1.86	173	1.65	368	4.09	0	0.00	0	0.00	1,053	1.39%
3	Pt. Lot 8	040-82010 (Elizabeth Thompson, Denise Hernandez)	10	0.04	3	0.03	4	0.04	0	0.00	0	0.00	17	0.02%
3	Pt. Lot 9	040-82100 (Craig & Sarah Matheson)	202	0.73	68	0.65	86	0.96	0	0.00	0	0.00	356	0.47%
3	Pt. Lot 9	040-82200 (Margaret Campbell Estate)	245	0.89	83	0.79	329	3.66	0	0.00	0	0.00	657	0.86%
3	Pt. Lot 9	040-82210 (Ministry of Transportation Ontario)	61	0.22	20	0.19	26	0.29	0	0.00	0	0.00	107	0.14%
3	Pt. Lot 10	040-82230 (Tansleyview Holsteins Ltd)	364	1.32	123	1.17	155	1.72	0	0.00	0	0.00	642	0.84%
3	Pt. Lot 10	040-82240 (Bradley & Lindsay Hunter)	15	0.05	5	0.05	6	0.07	0	0.00	0	0.00	26	0.03%
3	Pt. Lot 10	040-82300 (Benona & Kimberley Mannen)	22	0.08	7	0.07	9	0.10	0	0.00	0	0.00	38	0.05%
3	Pt. Lot 10 & 11	040-82400 (John & Paul Kowalczyk)	840	3.05	283	2.70	358	3.98	0	0.00	0	0.00	1,481	1.95%
3	Pt. Lot 11	040-82500 (Woodbury Leaf Inc.)	192	0.70	65	0.62	82	0.91	0	0.00	0	0.00	339	0.45%
3	Pt. Lot 12	040-82600 (Woodbury Leaf Inc.)	87	0.32	29	0.28	37	0.41	0	0.00	0	0.00	153	0.20%
3	Pt. Lot 12	040-82700 (Joseph, Joseph, Jason & Joshua Slusarczyk)	44	0.16	15	0.14	19	0.21	0	0.00	0	0.00	78	0.10%
2	Pt. Lot 12	040-82800 (DG Global Grain Inc.)	104	0.38	35	0.33	44	0.49	110	0.96	301	1.72	594	0.78%
2	Pt. Lot 12	040-82850 (RJ Wilson Investments Ltd.)	68	0.25	23	0.22	29	0.32	72	0.63	196	1.12	388	0.51%
2	Pt. Lot 12	040-82900 (Pennmar Holdings Inc.)	1,107	4.03	373	3.55	471	5.23	1,169	10.17	3,189	18.22	6,309	8.30%
2	Pt. Lot 11	040-82950 (Joseph & Irene Demeulenaere)	12	0.04	4	0.04	5	0.06	13	0.11	35	0.20	69	0.09%
2	Pt. Lot 11	040-83100 (2275223 Ontario Ltd.)	1,275	4.64	430	4.10	543	6.03	1,346	11.70	4,471	25.55	8,065	10.61%
2	Pt. Lot 10	040-83200 (A & R DaSilva Farms Ltd.)	1,528	5.56	515	4.90	650	7.22	1,613	14.03	5,298	30.27	9,604	12.64%
2	Lot 9	040-83300 (Beverly Realty Investments Inc.)	765	2.78	258	2.46	326	3.62	808	7.03	2,703	15.45	4,860	6.39%
2	Pt. Lot 12	040-83900 (Todd & Emily Box)	27	0.10	9	0.09	11	0.12	28	0.24	77	0.44	152	0.20%
2	Pt. Lot 12	040-83901 (Allan Vandecappelle)	15	0.05	5	0.05	6	0.07	15	0.13	42	0.24	83	0.11%
2	Pt. Lot 12	040-83920 (Prime-Tech Precision Inc.)	185	0.67	62	0.59	79	0.88	195	1.70	531	3.03	1,052	1.38%
2	Pt. Lot 12	040-83950 (Mona & Nicola Dinardo)	10	0.04	3	0.03	4	0.04	10	0.09	28	0.16	55	0.07%
Total Assessments on Lands:			21,978	79.94	6,521	62.14	5,547	61.63	9,363	81.43	16,871	96.40	60,280	79.32%
Middle Townline Road (County of Brant)			153	0.56	52	0.49	65	0.72	163	1.41	163	1.44	685	0.90%
3rd Concession Road (County of Brant)			372	1.35	125	1.18	158	1.76	1,128	9.80	1,128	2.16	2,160	2.84%
Golf Links Road (County of Brant)			372	1.35	875	8.32	65	0.72	0	0.00	750	0.00	1,312	1.73%
5th Concession Road (County of Brant)			808	2.93	0	0.00	0	0.00	0	0.00	750	0.00	808	1.06%
Wight Road (County of Brant)			80	0.29	0	0.00	0	0.00	0	0.00	0	0.00	80	0.11%
Highway 403 (M.T.O.)			3,737	13.58	2,927	27.87	3,165	35.17	846	7.36	5,846	0.00	10,675	14.05%
Total Assessments on Roads:			5,522	20.06	3,979	37.86	3,453	38.37	2,137	18.57	8,637	3.60	15,720	20.68%
TOTAL ASSESSMENTS LOWES-AMEY MUNICIPAL DRAIN (For Maintenance):			27,500	100.00	10,500	100.00	9,000	100.00	11,500	100.00	25,508	100.00	76,000	100.00%

Notes:

1. Agricultural designation not included as grant eligibility has to be confirmed at the time of maintenance cost levy.
2. \$ amounts above are listed solely for calculating percentages (share of future maintenance costs) and will not be levied with the final cost of the drainage works.

APPENDIX A - Calculation of Assessments for Future Maintenance
LOWES-AMEY MUNICIPAL DRAIN
COUNTY OF BRANT

				Main Drain																								Main Drain			
				Interval 1				Interval 2				Interval 3				Interval 4				Interval 5								Total			
				Station 0+00 to 65+25				Station 65+25 to 90+46				Station 90+46 to 112+00				Station 112+00 to 138+20				Station 138+20 to 179+69											
ESTIMATED (HYPOTHETICAL) MAINTENANCE COSTS				27,500				10,500				9,000				11,500				17,500								76,000			
Roll No. (Owner)	Total Ha Affected	Run-off Factor	Total ha Adjusted	Benefit (Sec. 22)	Adj Ha	Outlet (Sec. 23)	%	Benefit (Sec. 22)	Adj Ha	Outlet (Sec. 23)	%	Benefit (Sec. 22)	Adj Ha	Outlet (Sec. 23)	%	Benefit (Sec. 22)	Adj Ha	Outlet (Sec. 23)	%	Benefit (Sec. 22)	Adj Ha	Outlet (Sec. 23)	%	Total Benefit	Total Outlet	Total	%				
County of Brant (Roll No. 2920011-)																															
040-68400 (Robert Edgeworth)	63.9	0.74	47.4	2,600	47.4	1,151	13.64			0.0	0	0.00			0.0	0	0.00			0.0	0	0.00		2,600	1,151	3,751	4.94%				
040-68500 (Grand River Conservation Authority)	22.3	0.86	19.2		19.2	466	1.69			0.0	0	0.00			0.0	0	0.00			0.0	0	0.00		0	466	466	0.61%				
040-68600 (Danny & Janet Bailey)	0.5	1.00	0.5		0.5	12	0.04			0.0	0	0.00			0.0	0	0.00			0.0	0	0.00		0	12	12	0.02%				
040-74300 (Woodbury Farms Ltd.)	24.6	0.99	24.3		24.3	590	2.15		24.3	199	1.90			0.0	0	0.00			0.0	0	0.00		0	789	789	1.04%					
040-74400 (Paul & Dori Lehmann)	43.6	0.72	31.2		31.2	758	2.76	450	31.2	255	6.71			0.0	0	0.00			0.0	0	0.00		450	1,013	1,463	1.93%					
040-74500 (Pond Meadows Inc.)	29.0	0.76	22.1		22.1	537	1.95	675	22.1	181	8.15			0.0	0	0.00			0.0	0	0.00		675	718	1,393	1.83%					
040-74501 (Mervin & Mary Bell)	0.3	1.00	0.3		0.3	7	0.03		0.3	2	0.02			0.0	0	0.00			0.0	0	0.00		0	9	9	0.01%					
040-74510 (Trent Malcolm)	0.4	1.00	0.4		0.4	10	0.04		0.4	3	0.03			0.0	0	0.00			0.0	0	0.00		0	13	13	0.02%					
040-74550 (James Lehmann)	0.6	1.00	0.6		0.6	15	0.05		0.6	5	0.05			0.0	0	0.00			0.0	0	0.00		0	20	20	0.03%					
040-74600 (571245 Ontario Ltd.)	27.0	0.88	23.8		23.8	578	2.10		23.8	195	1.86			0.0	0	0.00			0.0	0	0.00		0	773	773	1.02%					
040-74610 (Mike Banks & Michelle Earls)	0.2	1.00	0.2		0.2	5	0.02		0.2	2	0.02			0.0	0	0.00			0.0	0	0.00		0	7	7	0.01%					
040-74650 (Justin & Lucinda Lehmann)	0.4	1.00	0.4		0.4	10	0.04		0.4	3	0.03			0.0	0	0.00			0.0	0	0.00		0	13	13	0.02%					
040-74800 (Tansleyview Holsteins Ltd)	43.1	0.73	31.6		31.6	767	2.79		30.8	252	2.40			0.0	0	0.00			0.0	0	0.00		0	1,019	1,019	1.34%					
040-75100 (Danny & Janet Bailey)	14.3	0.89	12.7	300	12.7	308	2.21		1.2	10	0.10			0.0	0	0.00			0.0	0	0.00		300	318	618	0.81%					
040-75200 (Donald & Marilyn Lane)	6.1	0.61	3.7	600	3.7	90	2.51	50	0.4	3	0.50			0.0	0	0.00			0.0	0	0.00		650	93	743	0.98%					
040-75300 (Donald Lane)	0.4	1.00	0.4		0.4	10	0.04		0.0	0	0.00			0.0	0	0.00			0.0	0	0.00		0	10	10	0.01%					
040-75400 (Alexis Marcella)	9.2	0.83	7.6	400	7.6	185	2.13		2.4	20	0.19			0.0	0	0.00			0.0	0	0.00		400	205	605	0.80%					
040-75500 (Robert Edgeworth)	15.5	0.63	9.8		9.8	238	0.87		7.1	58	0.55			0.0	0	0.00			0.0	0	0.00		0	296	296	0.39%					
040-80800 (Mildred Tillotson, Linda Deveney)	12.0	0.88	10.6		10.6	257	0.93		10.6	87	0.83		10.6	110	1.22		10.6	272	2.37		0.0	0	0.00	0	726	726	0.96%				
040-80850 (Joe & Angela Sroka Farm Produce)	16.3	0.89	14.5		14.5	352	1.28		14.5	119	1.13		14.5	150	1.67		14.5	372	3.23		0.0	0	0.00	0	993	993	1.31%				
040-80900 (Joe & Angela Sroka Farm Produce)	35.4	0.79	27.9		27.9	678	2.47		27.9	228	2.17		27.9	288	3.20		27.9	715	6.22		0.0	0	0.00	0	1,909	1,909	2.51%				
040-81000 (Jillian Scott, Rachel Banham)	37.2	0.74	27.5		27.5	668	2.43		27.5	225	2.14		27.5	284	3.16		27.5	705	6.13		0.0	0	0.00	0	1,882	1,882	2.48%				
040-81100 (Antonio & Josephine Nadalin)	8.5	0.59	5.0		5.0	121	0.44		5.0	41	0.39		5.0	52	0.58		5.0	128	1.11		0.0	0	0.00	0	342	342	0.45%				
040-81200 (Marcus & Jennifer Stryker)	14.6	0.67	9.8		9.8	238	0.87		9.8	80	0.76		9.8	101	1.12		400	9.8	251	5.66		0.0	0	0.00	400	670	1,070	1.41%			
040-81300 (1322381 Ontario Inc.)	30.1	0.96	28.9		28.9	702	2.55		28.9	237	2.26		28.9	299	3.32		700	17.2	441	9.92		0.0	0	0.00	700	1,679	2,379	3.13%			
040-81400 (Leslie Lorincz)	2.0	1.00	2.0		2.0	49	0.18		2.0	16	0.15		2.0	21	0.23		0.0	0	0.00		0.0	0	0.00	0	86	86	0.11%				
040-81500 (Joe & Angela Sroka Farm Produce)	15.9	0.86	13.7		13.7	333	1.21		13.7	112	1.07		13.7	142	1.58		0.0	0	0.00		0.0	0	0.00	0	587	587	0.77%				
040-81590 (Martha Proceviat)	0.2	1.00	0.2		0.2	5	0.02		0.2	2	0.02		0.2	2	0.02		0.0	0	0.00		0.0	0	0.00	0	9	9	0.01%				
040-81600 (Ian Shaw)	0.9	1.00	0.9		0.9	22	0.08		0.9	7	0.07		0.9	9	0.10		0.0	0	0.00		0.0	0	0.00	0	38	38	0.05%				
040-81700 (Matthew & Shannon Caudle)	4.4	0.52	2.3		2.3	56	0.20		2.3	19	0.18		2.3	24	0.27		0.0	0	0.00		0.0	0	0.00	0	99	99	0.13%				
040-81800 (Myles & Brontley Pynenburg)	13.9	0.94	13.1		13.1	318	1.16		13.1	107	1.02		13.1	135	1.50		0.0	0	0.00		0.0	0	0.00	0	560	560	0.74%				
040-81900 (Tricor Farms Ltd.)	44.0	0.79	34.6		34.6	840	3.05		34.6	283	2.70		27.4	283	3.14		0.0	0	0.00		0.0	0	0.00	0	1,406	1,406	1.85%				
040-81902 (Robert Foster)	0.1	1.00	0.1		0.1	2	0.01		0.1	1	0.01		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00	0	3	3	0.00%				
040-81950 (Keith & Jennifer Matheson)	0.4	1.00	0.4		0.4	10	0.04		0.4	3	0.03		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00	0	13	13	0.02%				
040-82000 (Woodbury Leaf Inc.)	22.0	0.96	21.1		21.1	512	1.86		21.1	173	1.65	150	21.1	218	4.09		0.0	0	0.00		0.0	0	0.00	150	903	1,053	1.39%				
040-82010 (Elizabeth Thompson, Denise Hernandez)	0.4	1.00	0.4		0.4	10	0.04		0.4	3	0.03		0.4	4	0.04		0.0	0	0.00		0.0	0	0.00	0	17	17	0.02%				
040-82100 (Craig & Sarah Matheson)	9.9	0.84	8.3		8.3	202	0.73		8.3	68	0.65		8.3	86	0.96		0.0	0	0.00		0.0	0	0.00	0	356	356	0.47%				
040-82200 (Margaret Campbell Estate)	18.1	0.56	10.1		10.1	245	0.8																								



THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL BE INFORMED OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOTES:
-ALL ROLL NUMBERS IN BEGIN WITH 29-20-011
ie. 040-68400 IN FULL IS 29-20-011-040-68400

- PLAN LEGEND**
- WATERSHED
 - - - SUBWATERSHED
 - LOWES-AMEY MUNICIPAL DRAIN SUBJECT TO THIS SECTION 76 REPORT
 - - - HISTORICAL LOWES-AMEY MUNICIPAL DRAIN WATERSHED (J.B. DODD-1975)
 - OTHER EXISTING DRAINS
 - ~ DITCH OR WATERCOURSE
 - (12.8) APPROXIMATE HECTARES IN WATERSHED
 - 5.2 ha. HECTARES OWNED
 - (040-69500) ASSESSMENT ROLL NUMBER
 - BUSH
 - OVERLAND FLOW DIRECTION
 - EXISTING CULVERTS

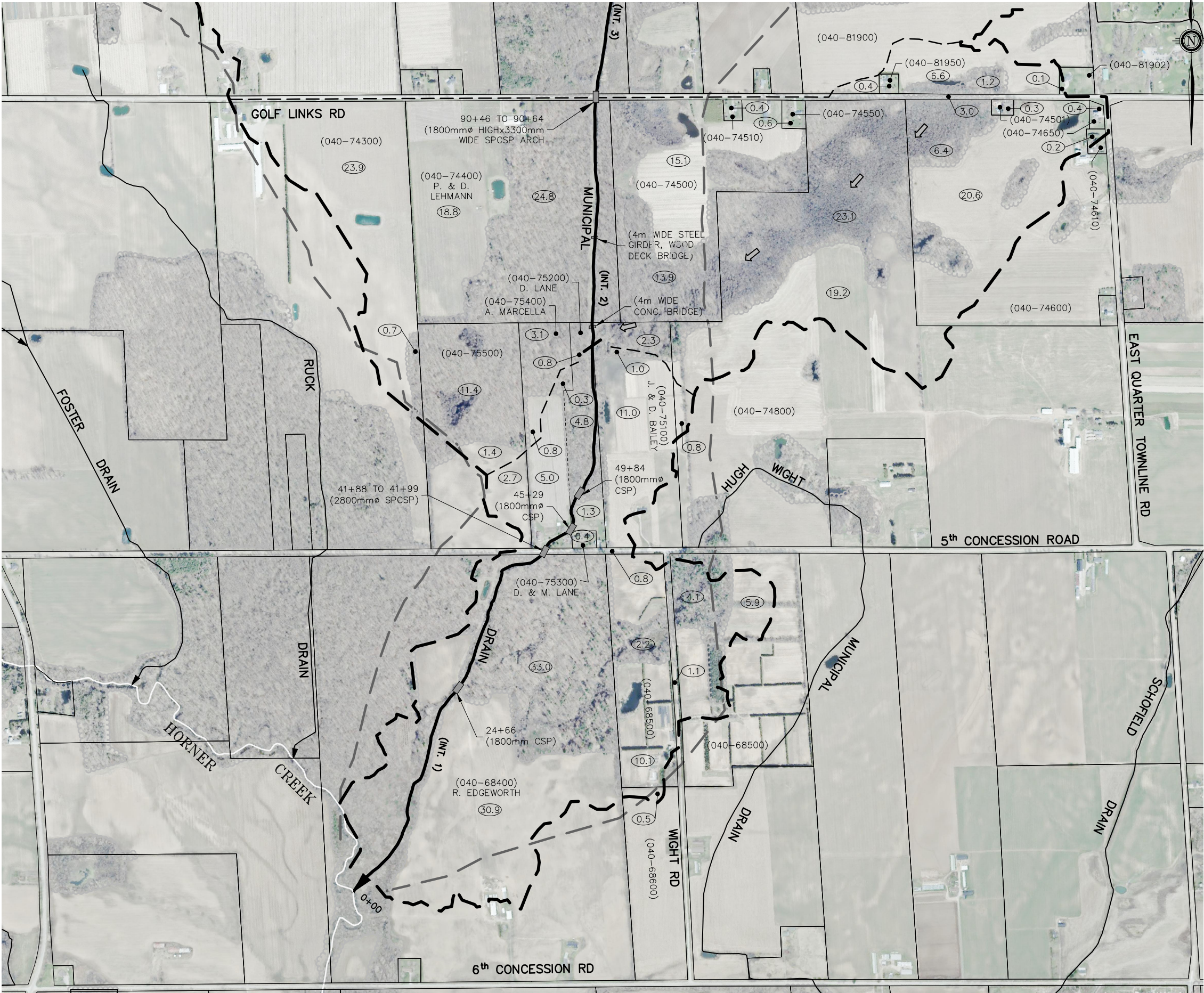
NO.	DESCRIPTION	DATE
1	PUBLIC MEETING	JAN. 30, 2025
2	ISSUED FOR REPORT	JAN. 31, 2025

DESIGNED BY: C.J.M.
CHECKED BY: C.J.M.
DRAWN BY: V.E.S.
CHECKED BY: C.J.M.

0 200 400m
SCALE 1 : 20,000
HORIZ.
(ON 11"x17")

LOWES-AMEY MUNICIPAL DRAIN
BRANT COUNTY (FORMER TOWNSHIP OF BURFORD)

WATERSHED PLAN	JAN. 31, 2025
K. SMART ASSOCIATES LIMITED CONSULTING ENGINEERS AND PLANNERS KITCHENER SUDBURY	REVISED: JOB NUMBER: 23-237 DRAWING 1 OF 3



THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL BE INFORMED OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOTES:
-ALL ROLL NUMBERS IN BEGIN WITH 29-20-011
ie. 040-68400 IN FULL IS 29-20-011-040-68400

- PLAN LEGEND**
- WATERSHED
 - - - SUBWATERSHED
 - LOWES-AMEY MUNICIPAL DRAIN SUBJECT TO THIS SECTION 76 REPORT
 - - - HISTORICAL LOWES-AMEY MUNICIPAL DRAIN WATERSHED (J.B. DODD-1975)
 - OTHER EXISTING DRAINS
 - DITCH OR WATERCOURSE
 - (12.8) --- APPROXIMATE HECTARES IN WATERSHED
 - 5.2 ha. --- HECTARES OWNED
 - ASSESSMENT ROLL NUMBER
 - BUSH
 - OVERLAND FLOW DIRECTION
 - EXISTING CULVERTS


NO.	DESCRIPTION	DATE
1	PUBLIC MEETING	JAN. 30, 2025
2	ISSUED FOR REPORT	JAN. 31, 2025

DESIGNED BY: C.J.M.
CHECKED BY: C.J.M.
DRAWN BY: V.E.S.
CHECKED BY: C.J.M.



0 125 250m
SCALE 1 : 12,500
HORIZ.
(ON 11"x17")

LOWES-AMEY MUNICIPAL DRAIN
BRANT COUNTY (FORMER TOWNSHIP OF BURFORD)

ENLARGEMENT INTERVAL 1 & 2	JAN. 31, 2025
 K. SMART ASSOCIATES LIMITED CONSULTING ENGINEERS AND PLANNERS KITCHENER SUDBURY	REVISED:
	JOB NUMBER: 23-237
	DRAWING 2 OF 3



THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL BE INFORMED OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

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 - OTHER EXISTING DRAINS
 - ~ DITCH OR WATERCOURSE
 - (12.8) APPROXIMATE HECTARES IN WATERSHED
 - 5.2 ha. HECTARES OWNED
 - (040-69500) ASSESSMENT ROLL NUMBER
 - BUSH
 - OVERLAND FLOW DIRECTION
 - EXISTING CULVERTS

NO.	DESCRIPTION	DATE
1	PUBLIC MEETING	JAN. 30, 2025
2	ISSUED FOR REPORT	JAN. 31, 2025

DESIGNED BY: C.J.M.
CHECKED BY: C.J.M.
DRAWN BY: V.E.S.
CHECKED BY: C.J.M.



0 125 250m
SCALE 1 : 12,500
HORZ.
(ON 11"x17")

LOWES-AMEY MUNICIPAL DRAIN
BRANT COUNTY (FORMER TOWNSHIP OF BURFORD)

ENLARGEMENT INTERVALS 3 TO 5	JAN. 31, 2025
REVISED:	
JOB NUMBER: 23-237	
DRAWING	
3 OF 3	

K. SMART ASSOCIATES LIMITED
CONSULTING ENGINEERS AND PLANNERS
KITCHENER SUDBURY