

The Municipal Corporation of the Town of Fort Erie

By-law No. 76-2019

Being a By-law to Provide for Drainage Works in the Town of Fort Erie for the Glenny Municipal Drain

Whereas the Municipal Council of the Town of Fort Erie has procured a report under Section 78 of the *Drainage Act* (the "*Act*"), for the Glenny Municipal Drain; and

Whereas the Engineer's Report dated November 17, 2017 prepared by K. Smart Associates Limited was filed with the Town Clerk on the same date; and

Whereas the total cost of the drainage works is Three Hundred, Ninety-Eight Thousand, Eight Hundred and Seventy Dollars (\$398,870.00); and

Whereas the Engineer's Report and Notice of the Public Meeting under the *Act* was mailed to all affected property owners on April 18, 2019; and

Whereas at the Council-in-Committee Meeting held May 13, 2019 Report No. IS-17-2019 under Section 78 of the said *Act* was approved to accept the Engineer's Report for the Glenny Municipal Drain and to direct staff to continue with the legislative process in accordance with the *Act* and establish the date for the Court of Revision; and

Whereas Section 52(1) of the said *Act* provides an owner of land assessed for the drainage works may appeal to the Court of Revision on any of the following grounds:

- (1) Any land or road has been assessed an amount that is too high or too low;
- (2) Any land or road that should have been assessed has not been assessed;
- (3) Due consideration has not been given to the use being made of the land; and

Whereas the Court of Revision heard appeals on July 10, 2019 and ordered as follows:

- That: The appeal by Ira Band be denied on the grounds that the Drainage Engineer has acted in a fair and responsible manner pursuant to the requirements of the *Drainage Act* and no evidence to the contrary was heard, and further;
- That: The appeal by Dung Q. Le be denied on the grounds that the Drainage Engineer has acted in a fair and responsible manner pursuant to the requirements of the *Drainage Act* and no evidence to the contrary was heard, and further;
- That: In consideration of Gloria Poulsen's appeal, the MTO and the Town of Fort Erie each have their assessments increased by \$5,000.00 and that the Schedule of Assessments prepared by K. Smart Associates Ltd. dated November 17, 2019 be revised to reflect this decision; and

Whereas in accordance with the Decision of the Court of Revision on July 10, 2019, the Assessment Schedules to the Engineer's Report were revised; and

Whereas a Second Sitting of the Court of Revision was held on October 9, 2019 in order that the Town of Fort Erie and the Ministry of Transportation Ontario could appeal to the Court due to the resulting assessment changes from the First Sitting of the Court Revision; and

Whereas no appeals were received, and accordingly, the Court of Revision passed the following resolution:

That: The revised Schedule of Assessments prepared by K. Smart Associates Ltd. dated July 10, 2019 be and it is hereby approved and attached to the Engineer's Report.

Whereas Gloria M. Poulsen and Ira J. Band appealed to the Agriculture, Food and Rural Affairs Appeal Tribunal (the "Tribunal") under Section 54 of the *Act;* and

Whereas the Tribunal scheduled a Hearing to be held on March 24, 2020, which was adjourned due to the global pandemic, with the timing of the Hearing suspended in accordance with a Provincial Emergency Order, and subsequently rescheduled in accordance with Rule 10 of the Tribunal's Rules of Procedure to April 8, 2021 as an electronic Hearing; and

Whereas Ira J. Band withdrew his appeal; and

Whereas on April 13, 2021, the Tribunal ordered as follows:

- 1. The appeal of Gloria Poulsen is denied.
- 2. The non-administrative costs of the Municipality incurred with respect to this appeal shall form part of the cost of the drainage works.
- 3. There shall be no other Order as to costs and all parties shall be responsible for their own costs.

Whereas it is deemed expedient to accept the Engineer's Report and amended Schedule of Assessments, for the construction and future maintenance for the Glenny Municipal Drain;

Now therefore the Municipal Council of The Corporation of the Town of Fort Erie enacts as follows:

- 1. That the new Engineer's Report prepared by K. Smart Associates Limited dated November 17, 2017, as amended, and attached as Schedule "A" and forming part of this by-law, to establish a schedule of assessments for the construction and future maintenance for the Glenny Municipal Drain, is adopted and approved.
- 2. That a revised Schedule of Assessments of lands, roads and utilities in the Town of Fort Erie, as aforementioned in the Engineer's Report, is attached as in Schedule "A" to this by-law.

- **3.** That this by-law shall come into force and effect on the passing thereof.
- 4. That the Clerk of the Town is authorized to effect any minor modifications, corrections or omissions, solely of an administrative, numerical, grammatical, semantical or descriptive nature to this by-law or its schedules after the passage of this by-law.

Read a first and second time and provisionally adopted on the 21st day of May, 2019.

Read a third time and finally passed this 21st day of June, 2021.

Mayor

Clerk

I, Carol Schofield, the Clerk, of The Corporation of the Town of Fort Erie certifies the foregoing to be a true copy of By-law No. 76-2019 of the said Town. Given under my hand and the seal of the said Corporation, this day of , 20 .

ENGINEERING REPORT

for the

GLENNY DRAIN 2017

Town of Fort Erie

(Geographic Townships of Bertie and Willoughby)



Region of Niagara

Date: November 17, 2017

File No. 05-182



SMART ASSOCIATES LIMITED Kitchener Sudbury

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K. SMART ASSOCIATES LIMITED

CONSULTING ENGINEERS AND PLANNERS Hedule "A" to By-law No. 76-2019

85 McIntyre Drive Kitchener ON N2R 1H6 Tel: (519) 748-1199 Fax: (519) 748-6100 E-Mail: ksmart@ksmart.ca

November 17, 2017

File No. 05-182

GLENNY DRAIN 2017

Town of Fort Erie

1.0 EXECUTIVE SUMMARY

This is a drainage report pursuant to Section 78 of the Drainage Act, RSO 1990. It is in accordance with a Town of Fort Erie By-Law 180-05/resolution dated October 11, 2005, appointing K. Smart Associates Limited to update the existing Engineer's Report (including repairs and improvements) for the Glenny Municipal Drain. The existing Glenny Drain requires repairs and improvements and also new schedules of assessment for future maintenance.

The primary purpose of this report is to provide for repairs and improvements of the Glenny Drain in Lot 17, Concession BF (Willoughby Twp) and in Lots 10 to 13, Concession 7 and Lots 13 to 16, Concession 8 (Bertie Twp) in the Town of Fort Erie. The secondary purpose is to define the limits of the drain relative to the existing reports and to prepare new Schedules of Assessment for Future Maintenance.

The work involved with this report follows the Drainage Act process, which has involved an on-site meeting, review of the site, undertaking of survey and design, and the preparation of a report to include plans and profiles, drawings, specifications, cost estimate, assessment and future maintenance schedules, and description of the work.

The estimated cost of this project is \$398,870.

The construction work in this report consists of 4,305m of open ditch work (1,425m Glenny Drain North, 1,556m Glenny Drain South, 867m C.N.R. Branch, 343m Q.E.W. Branch and 114m College Branch).

The total length of the Glenny Drain 2017 for future maintenance purposes is 5,204m of open ditch (1,920m Glenny Drain North, 1,960m Glenny Drain South, 867m C.N.R. Branch, 343m Q.E.W. Branch and 114m College Branch).

The watershed served is approximately 427.6 hectares (1,056.6 acres) (131.2 ha Glenny Drain North and 296.4 ha Glenny Drain South).

The estimated costs are to be assessed out in accordance with Schedule A (Schedule of Assessments). Schedule B (Schedule of Assessments for Future Maintenance) is to be used to assess out future maintenance costs as outlined in the "Maintenance" section of this report. Schedule C (Schedule for Actual Cost Bylaw) has data that summarizes all estimated gross assessments and indicates the estimated net assessments after deducting possible available grants and allowances where applicable.

Appendix A illustrates the calculations of the assessments outlined in Schedule A.

2.0 BACKGROUND

Requests for maintenance had been received by the Town from several landowners. On October 11, 2005, K. Smart Associates Limited was appointed by By-Law 180-05/resolution of the Town of Fort Erie, to update the existing Engineer's Report for the Glenny Municipal Drain pursuant to Section 78 of the Drainage Act, RSO 1990. Also, it was requested that new Schedules of Assessments for Future Maintenance be prepared.

The required on-site meeting was held for the landowners and agencies on April 4, 2006. A questionnaire and explanatory note from the Engineer had been mailed out to the landowners along with the on-site meeting notice.

A thorough survey was conducted along the entire route of the existing drain including its branches. Preliminary design work, including cost estimates and assessment schedules and drawings, occurred after the survey work had been completed.

On September 29, 2016, a second meeting was held with the landowners and agencies to discuss the possible repairs and improvements. The watershed and design were finalized and the site was further examined, then the drawings, cost estimate, special provisions, and the assessment schedules were finalized and the report and future maintenance schedules were prepared and are herein being submitted.

3.0 DRAINAGE HISTORY

The Glenny Drain was first constructed in accordance with a report by George Ross dated April 25, 1917, and consisted of the Main Drain and the Kline Outlet, both of which were an open ditch. The Main Drain was 11,920' (3,633m) in length and was a continuous drain, having continuous grade, from the outlet in Black Creek in Lot 18, Concession BF (Willoughby Township) upstream to the head of the drain in Lot 11, Concession 7 (Bertie Township) and the Kline Outlet was 1,465' (446m±) in length.

In 1942 the Glenny Drain was improved in accordance with a report by R. Blake Erwin, O.L.S., BA.Sc (By-Law No. 1368) dated December 9, 1942. In the 1942 report, the improvements to the drain were necessitated by the proposed construction of the Q.E.W.

The improvements in 1942 consisted of deepening and making a change to the flow direction of the Main Drain ditch so that it split at the north end of the proposed culvert across the Q.E.W. in Lot 14, Concession 8, Bertie Twp and it flowed northerly from here to an outlet in the Black Creek. A small portion of the Main Drain would then flow southerly to the Lot 13-14 Line in Concession 8 and then westerly along the Kline Outlet to outlet into Beaver Creek. The remainder of the Main Drain in Bertie Twp flowed from its top end in Lot 11, Concession 7 northerly to the Kline Outlet at the Lot 13-14 Line. The Kline Outlet also continued easterly to the west side of Concession 7-8 Road (now Ridgemount Road). Also, the C.N.R. Branch was constructed and was 2,745' (837m±) in length of open ditch. It commenced in the Main Drain in the middle part of Lot 12, Concession 7 (Bertie Twp) and continued southerly across Lots 10 to 12 and ended at the north side of the C.N.R. There were to be new road culverts constructed on the Main Drain, one at the Concession 7-8 Road (now Ridgemount Road) crossing and one at the Lot 12-13 Road (now Eagle Street) crossing. Both culverts were to be 8' (2.4m) wide x 4' (1.2m) high x 24' (7.3m) long creosoted wood culverts. No other culverts were to be constructed and the profiles for the drain did not show any other culverts (road or laneway).

Since the improvements of the 1942 report, the Q.E.W. was constructed and numerous laneway and road culverts have been constructed/installed along the Main Drain and Branches. Also, the location of the lower portion of the C.N.R. Branch has been changed since the 1942 report, as it now runs easterly along the Lot 11-12 Line in Concession 7 to outlet into the Main Drain on the south/west side of the Q.E.W. Also since 1942 many properties have been split and severances (small lots) have occurred.

Schedule "A" to By-law No. 76-2019 Some of the ditches were last cleaned out in 1986±.

The north portion of the Glenny Drain (Main Drain) outlets into Black Creek. The south portion of the Glenny Drain (Kline Outlet) outlets into Beaver Creek. Beaver Creek outlets into Black Creek.

4.0 INVESTIGATION

4.1 Statutory Meeting

On <u>April 11, 2006</u>, the required on-site meeting was conducted. All landowners believed to be in the watershed plus the Town of Fort Erie and the Niagara Peninsula Conservation Authority were notified. Several landowners and the Fort Erie Drainage Superintendent, Brett Ruck, were also in attendance. The following is a summary of the comments made during the meeting:

G. & C. Nigh (Roll No. 137-00)

Has no drainage problems, and does not want any ditch work to be done on Kline outlet. Some cleaning work on Kline outlet was done 25-30 years ago.

S. & M. Wright (Roll No. 116-00) & K. Sherk (Roll No. 117-00)

Satisfied with the condition of the existing ditch but have some erosion problem, both owners agreed to conduct a site visit with John Kuntze to review this problem closely.

<u>D. & G. Carlesso (Roll No. 091-00)</u>

Ask about the statement and organizational issue.

R. Howard (Roll No. 264-00)

Has no concern about the condition of an existing drain.

B. & P. Ort (Roll No. 267-00)

Has a problem with existing 900mm dia. CSP culvert (rusted and tends to collapse), possibly undersized. Want to replace culvert ASAP (possible this summer).

G. Poulsen (Roll No. 151-00)

Has a problem with drainage of her land, think that cleaning of the ditch is a good idea.

S. Overholt (Roll No. 088-00)

Has no current drainage problem, some cleaning work has been done 20 years ago.

J., B. & G. Curtis (Roll No. 084-00)

Has no current drainage problems, there is some trouble with the C.N.R. culvert.

A. & B. Mueller (Roll No. 089-00)

Do not think that any work should be done.

<u>K. White (Roll No. 143-00), F. & I. Clarkson (Roll No. 141-00), J. & J. Rossiter (Roll No. 142-00)</u> Have some problems with roadside ditch along College Road, recently this ditch was cleaned out on the south side, but owners think that cleaning work should be done on the north side. This question was addressed to Brett Ruck (Drainage Superintendent).

C. & T. Brown (Roll No. 131-01)

Has a problem with the outlet of water from his property.

M. Dolbeau & M. Laroche (Roll No. 083-01)

Has concerns with drainage. The east end of the property is always wet. Some drainage work should be done

<u>T. & J. Laur (Roll No. 075-00)</u>

Has a question about the watershed. He said that there is no culvert under Bowen road. This issue should be clarified during a site visit of John Kuntze.

<u>General</u>

Mr Nigh stated that there is no culvert under College road on Kline outlet. Brett Ruck thinks that it would be a good idea to put in a culvert. This issue to be reviewed during a site visit.

The other owners within the watershed area were either not present at the on-site meeting or did not have any comments at that time.

4.2 Watershed Description

The Glenny Drain watershed is predominantly agricultural and bush lands. The perimeter watershed for the Glenny Drain was established in the engineering report of 1942 and it was corrected/modified by examination of OBM topographic plans, current digital topographic information and by field investigations. The Glenny Drain watershed was divided into two portions: the Glenny Drain North which outlets into Black Creek in Lot 18, BF Concession (Willoughby Twp) and Glenny Drain South which outlets into Beaver Creek in Lot 13, Concession 8 (Bertie Twp). The Glenny Drain has common watershed with the Miller's Creek Drain. Field examinations were made by Neal Morris, P.Eng. in the fall of 2015 and in the summer of 2016 to determine the intermediate/interval watersheds and to finalize the location of the perimeter watersheds for the Glenny Drain and all of its Branches. Also, it was determined that there is a culvert across Bowen Road which brings in waters from the area as noted south of the road.

4.3 Soil Conditions

The Region of Niagara Soils Map for this area indicates that the soils adjacent to this drain are mainly reddish-hued lacustrine heavy clay and silty clay over clay loam till with some stones. These soils should not present significant construction difficulty but pockets of poor soil conditions may be experienced, especially if groundwater levels are high at the time of construction.

4.4 Site Examinations and Surveys

All of the Glenny Drain, Main Drain and branches are open ditches and were examined and profile and cross-section surveys were completed throughout. The Main Drain was surveyed from its outlet in Black Creek to a "breaking point" (split) at the south side of the Q.E.W. to the Kline Outlet, and from the Kline Outlet from its outlet in Beaver Creek to the south/west side of College Road. The remainder of the Main Drain was surveyed from the Kline Outlet to the upstream end of the Main Drain on Sumner Road. The C.N.R. Branch, from Main Glenny Drain to upstream end at the north side of the C.N.R. tracks was surveyed. All along Glenny Drain, Main Drain there is a good fall to ensure sufficient outlet. However, there is a spot on the property of A. Bernice (268-01) where there is a "pool" of water with the ditch bottom level lower than general drain slope. It was noted that only deepening and general cleaning (brushing) and removing obstructions be required on the drain/branches. A path was cleared 20 years ago. Aerial photos and satellite images were reviewed, however, the existing channels were difficult to see due to heavy brush/trees along the channels (ditches).

On April 4, 2007, the Kline Outlet (Branch) was inspected by John Kuntze and Brett Ruck (Drainage Superintendent) to determine drainage required for Ridgemont Road/College Road north of the Q.E.W.

5.0 AUTHORITY FOR REPORT

As per the appointment of October 11, 2005, this report is being prepared in accordance with Section 78 of the Drainage Act for improvements to the existing drain. Section 78 of the Drainage Act identifies repair and improvement of an existing drain as an appropriate project under a Section 78 report. Since the Glenny Drain was previously constructed by bylaw under the Drainage Act and since it has been determined from the on-site meeting discussion and site examination, that the existing Glenny Drain does require repair and improvement (cleanout and brushing, etc.), and new/updated

future maintenance schedules, this report is properly authorized under Section 78 of the Drainage Act.

6.0 MEETINGS

On April 4 and 12, 2007, meetings were held with several landowners along Switch Road.

On <u>September 29, 2016</u>, a second (informal) meeting was conducted by the Neal Morris, P.Eng. the Engineer from K. Smart Associates Limited. All landowners in the watershed of the Glenny Drain were notified along with the Town of Fort Erie, the MTO and the Niagara Peninsula Conservation Authority. The purpose of the second meeting was to review the findings and proposed drainage works with the landowners including the estimated costs and preliminary assessments for the proposed work.

The Engineer explained the Drainage Act process, the proposed work and the assessment schedule.

Mr Nigh (Roll No. 20028-137-00) wished to do the clearing work (brushing) on his own property.

Mr Sanderson (Roll No. 40055-263-00) had concerns about the work on his property. The Engineer met him on-site and explained the work required on his property.

7.0 DESIGN CONSIDERATIONS

i) Sizing

This report has followed the sizing recommendations of the Drainage Guide for Ontario.

The open ditches have been reviewed, including the ditches being deepened. They have the capacity to convey a 2-year storm event. This is a customary event for open channel design on Municipal Drains serving an agricultural (rural) watershed. All Town road crossings (culverts) have sufficient capacity and seem to satisfy a 10-year storm. The Q.E.W. crossing (culvert) on Glenny Drain South satisfies greater than a 100-year storm. For residential and farm laneway (access) crossings (culverts) a 5-year storm was sufficient. To estimate, the Rationale method was used to determine the flows. The IDF information was obtained from the MTO IDF mapping tool.

ii) Sufficient Outlet

The proposed construction work recommended in this report is within the existing Glenny Drain watershed. The Glenny Drain North outlets into Black Creek and the Glenny Drain South outlets into Beaver Creek which outlets into Black Creek. Black Creek is a natural watercourse with a water level regulated by the Niagara River in this location. While the properties at the outlet are in the Black Creek 100-year floodplain, the Glenny Drain which is approximately 1% of the area of Black Creek, does not significantly increase the flooding risk.

The Beaver Creek is currently a municipal drain and is a sufficient outlet for the Glenny Drain South. Therefore it is deemed that the Beaver Creek and Black Creek provide a sufficient outlet for the Glenny Drain.

8.0 RECOMMENDED WORK

The following is a description of the proposed renaming of the drain(s) and branches, recommended work for construction and also describes what the drain and culverts are for future maintenance purposes for the Glenny Drain 2017.

a) Proposed Renaming of Glenny Drain and Branches

In this 2017 report, the existing Glenny Drain and Branches will be renamed as follows:

- The portion of the former Main Drain from the outlet into Black Creek in Lot 18, Concession BF Sea (Willoughby Twp) upstream to the north side of the Q.E.W. culvert in Lot 14, Concession 8 (Bertie Twp) will now be known as the Glenny Drain North.
- The portion of the former Main Drain from the south side of the Q.E.W. culvert in Lot 14, Concession 8 (Bertie Twp) to the former Kline Outlet will now be known as the Q.E.W. Branch
- The portion of the former Kline Outlet from the Main Drain westerly to the outlet into Beaver Creek will now be part of the Glenny Drain South.
- The remainder of the former Main Drain upstream to its head in Lot 7, Concession 7 (Bertie Twp) will also now be part of the Glenny Drain South.
- The remainder of the former Kline Outlet east of the former Main Drain will now be known as the College Branch.
- The C.N.R. Branch will still be known as the C.N.R. Branch.

These will all now be part of the Glenny Drain 2017. The Glenny Drain 2017, therefore, consists of the Glenny Drain North, Glenny Drain South, Q.E.W. Branch, C.N.R. Branch and College Branch.

b) Description of Drain

Note: All ditches to have a 0.3m wide x 0.3m deep notch (low flow ditch) in the ditch bottom. It is a possibility that some landowners may do the power brushing work along the drain on their properties. If such is done by them, the Drainage Superintendent and the Engineer must be informed prior to the work being done and the work is to be done in accordance with the special provisions and specifications and site-specific notes (Special Provisions) of this report and before the Contractor has begun construction. The landowner will be credited for such work at the Engineer's estimate.

<u>Sta.</u> <u>Description</u> *i) Glenny Drain North*

<u>K. Sherk (Roll No</u>	<u> 40055- 117-00)</u>
000 to 093	- Existing 93m ditch to remain
	- No work required at this time.
	- For future maintenance, ditch to have 1.8m wide bottom and 2:1 side slopes
082 to 088	- Existing 6m length of 1075mm dia. concrete sewer pipe (bell and spigot)
	laneway culvert to remain. No work required at this time.
Switch Road (To	
093 to 107	- Existing 14m ditch to remain
	 No work required at this time. For future maintenance, ditch to have 1.8m wide bottom and 2:1 side slopes
	- Tor future maintenance, alter to have 1.0m wide bottom and 2.1 side slopes
107 to 114.2	- Existing 2.75m wide x 1.26m high x 7.2m long concrete road culvert with footings
	to remain. No work required at this time.
444.01-447	
114.2 to 117	- Existing 2.8m ditch to remain
	 No work required at this time. For future maintenance, ditch to have 1.8m wide bottom and 2:1 side slopes
	- Tor future maintenance, alter to have 1.0m wide bottom and 2.1 side slopes
115	- Construct Newbury weir/riffles.
	rthur & M. Dilapo (Roll No. 40055-061-00)
117 to 188	- Existing 71m ditch to remain
	 No work required at this time. For future maintenance, ditch to have 1.8m wide bottom and 2:1 side slopes
	- 1 of future maintenance, uten to have 1.0m wide bottom and 2.1 side slopes
<u>A. Beam (Roll No</u>	<u> 20055-268 -01)</u>

188 to 483 - Existing 295m ditch to remain

- No work required at this time.

TOWN OF FOIL	L'IIe
	Schedule "A" to By-law No. 76-2019 - For future maintenance, ditch to have 1.8m wide bottom and 2:1 side slopes
270.5 to 278.8	 Existing private twin (2) 8.3m lengths of concrete/CSP laneway culverts. One 500mm dia. and one 600mm dia. to remain. They are to be maintained by the owner.
417	- Existing private 0.3m wide steel beam footbridge is not part of the drain. It is the responsibility of the landowner to maintain such.
441 to 447.2	 Existing twin (2) 6.2m lengths of 800mm dia. CSP's laneway culverts in poor shape (warped) to remain. No work required at this time.
473	- Caution: Electrical wire crosses under the ditch.
478	- Existing private 900mm dia. concrete overflow pipe, which outlets from the existing private pond to the east, into the ditch to remain. The concrete pipe and pond are not part of the drain. They are to be maintained by the landowner.
<u>W. Grimm (Roll .</u> 483 to 495	<u>No. 40055-267-00)</u> - Existing 12m ditch to remain - No work required at this time. - For future maintenance, ditch to have 1.8m wide bottom and 2:1 side slopes
495	- Construct temporary straw bale dam/sediment trap
495 to 570	 75m of half-bottom cleanout on the east side For future maintenance, ditch to have 1.5m wide bottom and 2:1 side slopes 75m of power brushing (10m width on the east side) East bank to be seeded (2m side). Place/level spoil on east side
555	 Existing private 1.2m wide x 5m long wood footbridge is not part of the drain. It is the responsibility of the landowner to maintain such.
517	- Place 5m ² of riprap at a low run (swale) from the east.
570	- Place 5m ² of riprap at 100mm (4") clay tile outlet from the west.
<u>R. Howard (Roll</u> 570 to 630	 <u>No. 40055-264-00</u>) 60m of half-bottom cleanout on the east side For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes 60m of power brushing (10m width on the east side) East bank to be seeded (2m side). Place/level spoil on the east side.
<u>S. Sanderson &</u> 630 to 779	 <u>G. Melvin (Roll No. 40055-263-00)</u> 149m of half-bottom cleanout on the east side For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes 149m of power brushing (10m width on the east side) East bank to be seeded (2m side). Place/level spoil on the east side.
677	- Place 5m ² of riprap at a low run (swale) from the east
678 to 700	 Existing private pond located to the west to remain. It is not part of the drain. It is to be maintained by the landowner.
748	- Place 5m ² of riprap at a low run (swale) from the east.

	Schedule "A" to By-law No. 76-2019
770 to 777.5	- Existing 7.5m length of 900mm dia. CSP laneway culvert to remain. No work required at this time.
<u>Stevens Bancorp</u> 779 to 843	 Inc. (Roll No. 40055-262-00) 64m of half-bottom cleanout on the east side For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes 64m of power brushing (10m width on the east side) East bank to be seeded (2m side). Place/level spoil on the east side.
Townline Road (1	Town of Fort Erie)
843 to 848	 5m of half-bottom cleanout on the east side For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes Spoil to be hauled away and disposed of
848 to 863.5	 Existing 2.5m wide x 1.0m high x 15.5m long concrete road culvert with footings to remain. Clean through bottom Spoil to be hauled away and disposed of.
863.5 to 877	 13.5m of half-bottom cleanout For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes Spoil to be hauled away and disposed of
872	- Construct Newbury weir/riffles.
<u>A. Kittel (Roll No.</u> 877 to 1+161	 20028-150-00) 284m of a half-bottom cleanout For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes 284m of power brushing (10m width on the east side) East bank to be seeded (2m side). Place/level spoil on the east side.
895	- Place 5m ² of riprap at a low run (swale) from the west
919	- Place 5m ² of riprap at a low run (swale) from the east.
G. Poulsen (Roll	No. 20028-151-00)
	 174m of half-bottom cleanout on east side For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes 174m of power brushing (10m width on the east side) East bank to be seeded (2m side). Place/level spoil on the east side.
1+335	- Place 5m ² of riprap at a low run (swale) from the east.
<u>P. Band & F. Coh</u> 1+335 to 1+800	 <u>hen (Roll No. 20028-147-00)</u> 465m of half-bottom cleanout on east side For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes 465m of power brushing (10m width on the east side) East bank to be seeded (2m side). Place/level spoil on the east side.
1+354, 1+439 & 1+552	 Place 15m² of riprap at low runs (swales) from the west (5m² at each location)

1+375, 1+453, 1+528, 1+630 & 1+660	 Place 25m² of riprap at low runs (swales) from the east (5m² at each location)
1+631 to 1+636	- Existing private dilapidated old wood bridge (size unknown) to be removed by the owner. Not part of the drain.
1+798	- Locate and protect buried Bell line, if necessary
<u>Q.<i>E.W. (M.T</i>.O.)</u> 1+800 to 1+920	 120m of half-bottom cleanout on east side For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes 120m of power brushing (10m width on the east side) East bank to be seeded (2m side). Spoil to be hauled away and disposed of
1+920 to 1+975	 Existing ditch and 2.45m wide x 0.95m high x 42m long concrete culvert with footings across Q.E.W. to remain. Not part of the drain. It will be the responsibility of the MTO to maintain them.

The Glenny Drain North exists from Sta. 000 to 1+920. Upstream of Sta. 1+920 is not part of the drain.

ii) Glenny Drain South

G. & C. Nigh (Rol	I No. 20028-137-00) (South) / Jukic Group Ltd. (Roll No. 20028-145-00) (North)
000 to 332	- Existing 332m ditch to remain.
	 No work required at this time.
	- For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes
330±	- Construct Newbury weir/riffles.
O. Leon (Roll No.	<u>20028-136-00) (East) / G. & C. Nigh (Roll No. 20028-137-00) (West)</u>
332 to 568	 236m of half-bottom cleanout on the east side
	- For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes
	 236m of power brushing (10m width on the east side)
	- East bank to be seeded (2m side).
	- Place/level spoil on east side
460 to 464	- Remove and dispose of existing stone drop structure
505±	- Existing private pond located 23m south/west (on G. & C. Nigh property) to remain. It is not part of the drain. It is to be maintained by the landowner.
College Road (To	wn of Fort Erie)
568 to 571.5	- 3.5m of a half-bottom cleanout
	- For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes
	 Spoil to be hauled away and disposed of.
571.5 to 605.5	- Existing 3.65m wide x 1.2m high x 34m long concrete road culvert with footings
	to remain. Clean through the bottom.
	 Spoil to be hauled away and disposed of
605.5 to 608	- 2.5m of half-bottom cleanout
	- For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes
	 Spoil to be hauled away and disposed of.

607± - Construct Newbury weir/riffles.

Town of Fort Erie (Roll No. 20028-136-01)

608 to 650	-	42m of half-bottom	cleanout	on	the	east	side
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- For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes
- 42m of power brushing (10m width on the east side)
- East bank to be seeded (2m side).
- Place/level spoil on east side

Ridgemount Road (Town of Fort Erie)

650 to 655
5m of a half-bottom cleanout
For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes
Spoil to be hauled away and disposed of.
655 to 685.6
Existing 3.65m wide x 1.2m high x 30.6m long concrete road culvert with footings to remain. Clean through the bottom.
Spoil to be hauled away and disposed of.

<u>B. & I. Bryant (Roll No. 20028-092-00)</u>

685.6 to 912	 226m of half-bottom cleanout on west side For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes 226m of power brushing (10m width on the west side) West bank to be seeded (2m side). Place/level spoil on west side
705	- Locate and protect buried Bell line if necessary.
769	- Place 5m ² of riprap at a low run (swale) from the north/east
815	- Existing private 1.5m wide wood footbridge is not part of the drain. It is the responsibility of the landowner to maintain such.
Eagle Street (Tow	n of Fort Erie)
912 to 927.7	 15.7m of a half-bottom cleanout For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes Spoil to be hauled away and disposed of.
925	- Locate and protect 150mm (6") Bell casing crossing ditch, if necessary.
927.7 to 943.6	 Existing 2.45m wide (3.06m wide on skew) x 1.2m high x 15.9m long concrete road culvert with footings to remain. Clean through bottom Spoil to be hauled away and disposed of.
943.6 to 949	 5.4m of half-bottom cleanout For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes Spoil to be hauled away and disposed of.
946	- Construct Newbury weir/riffles.
<u>S. Singh (Roll No.</u> 949 to 1+354	 20028-088-00) 405m of half-bottom cleanout on the west side For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes 405m of power brushing (10m width on the west side) West bank to be seeded (2m side). Place/level spoil on west side
994 & 1+197	- Place 10m ² of riprap at low runs (swales) from the west (5m ² at each location)

	 (Roll No. 20028-087-00) (West) / Q.E.W. (M.T.O.) (East) 228m of half-bottom cleanout on west side For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes 228m of power brushing (10m width on the west side) West bank to be seeded (2m side). Place/level spoil on west side
1+354	- Place 5m ² of riprap at low run (swale) from the east
1+384	- Locate and protect buried Bell line, if necessary.
1+424	- Place 5m ² of riprap at a low run (swale) from the west.
1+575	- Construct Newbury weir/riffles.
1+582 to 1+590	 8m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 8m of power brushing (10m width on the south side) South bank to be seeded (2m side). Place/level spoil on south side
<u>Q.E.W. (M.T.O.)</u> 1+590 to 1+615	 Existing 25m ditch to remain. No work required at this time For future maintenance, ditch to have 1.2m wide bottom and 2:1 side slopes
1+615 to 1+662	 Existing 2.4m wide x 0.9m high x 47m long concrete culvert with footings across Q.E.W. to remain. No work required at this time.
1+662 to 1+758	 96m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 96m of power brushing (10m width on the east side) East bank to be seeded (2m side). Spoil to be hauled away and disposed of.
1+669	- Place 5m ² of riprap at ditch outlet from the north.
	 <u>20028-086-00) (North) / M.T.O. (Roll No. 20028-085-00) (South)</u> 158m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 158m of power brushing (10m width on the north side) North bank to be seeded (1m side). Place/level spoil on north side
1+914	- Locate and protect buried Bell line, if necessary.
1+916 to 1+960	 20028-085-00) (West) / Sumner Road (Unopened) (Town of Fort Erie) (East) 44 of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 44m of power brushing (10m width) on the west side West bank to be seeded (1m side). Place/level spoil on west side
1+022	Leasts and protect buried Dell line, if personany

1+933 - Locate and protect buried Bell line, if necessary.

The Glenny Drain South exists from Sta. 000 to 1+960. Upstream of Sta. 1+960 is a road ditch that is not part of the drain.

iii) Q.E.W. Branch

Jukic Group Ltd. (Roll No. 20028-145-00)		
000	- Place 5m ² of riprap at ditch outlet	
000 to 213	 213m of ditch bottom cleanout (including removal of obstructions (branches, etc.) at Sta. 005±) For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 213m of power brushing (10m width on the east side) East bank to be seeded (1m side). Place/level spoil on east side 	
019	- Place 5m ² of riprap at a low run (swale) from the east	
130	- Place 5m ² of riprap at a low run (swale) from the west	
<u>College Road (T</u>	own of Fort Erie)	
213 to 219.8		
219.8 to 242	 Existing 2.5m wide x 0.9m high x 22.2m long concrete road culvert with footings to remain. Clean through the bottom. Spoil to be hauled away and disposed of. 	
<u>Q.E.W. (M.T.O.)</u> 242 to 343	 (East) / College Road (Town of Fort Erie) (West) 101m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 101m of power brushing (10m width) on the west side West bank to be seeded (1m side). Spoil to be hauled away and disposed of. 	

The Q.E.W. Branch exists from Sta. 000 to 343. Upstream of Sta. 343 is not part of the drain.

iv) C.N.R. Branch

<u>J., T. & G. Curtis</u> 000	(<i>Roll No. 20028-084-00</i>) (<i>South</i>) / <i>Jukic Group Ltd. (Roll No. 20028-087-00</i>) (<i>North</i>) - Place 5m ² of riprap at ditch outlet		
000 to 210	 210m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 210m of power brushing (10m width on the south side) South bank to be seeded (2m side). Place/level spoil on south side 		
015 & 060	- Place 10m ² of riprap at low runs (swales) from the south (5m ² at each location)		
031	- Place 5m ² of riprap at a low run (swale) from the north		
J., T. & G. Curtis (Roll No. 20028-084-00) 210 to 390 - 180m of ditch bottom cleanout - For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes - 180m of power brushing (10m width on south/east side) - South/east bank to be seeded (2m side). - Place/level spoil on south/east side			

Iown of Fort	Erie
	Schedule "A" to By-law No. 76-2019
310	- Place 5m ² of riprap at a low run (swale) from the north/west.
325	- Place 5m ² of riprap at a low run (swale) from the south/east
	s (Roll No. 20028-084-00) (East) / M. Dolbeau & M. Laroche (Roll No. 20028-083-01)
<u>(West)</u> 390 to 694	 304m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 304m of power brushing (10m width on the east side) East bank to be seeded (2m side). Place/level spoil on east side
425 & 465	- Place 10m ² of riprap at low runs (swales) from the east (5m ² at each location)
<u>C.P.R. (Roll No.</u> 694 to 698.5	<u>047-996)</u> - 4.5m of ditch bottom cleanout - For future maintenance, ditch to have 1.2m wide bottom and 2:1 side slopes - Spoil to be hauled away and disposed of
698.5 to 715.5	 Existing 17m length of 900mm dia. steel smooth wall pipe railway culvert to remain. Clean through the culvert. Spoil to be hauled away and disposed of.
715.5 to 738	 22.5m of ditch bottom cleanout For future maintenance, ditch to have 1.2m wide bottom and 2:1 side slopes Banks to be seeded (2m sides). Spoil to be hauled away and disposed of
731	- Construct Newbury weir/riffles.
<u>J., T. & G. Curtis</u> 738 to 867	<u>s (Roll No. 20028-084-00)</u> - 129m of ditch bottom cleanout - For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 120m of neuror bruching (10m width on the cost side)

- 129m of power brushing (10m width on the east side) East bank to be seeded (2m side).
- Place/level spoil on east side

The C.N.R. Branch exists from Sta. 000 to 867. Upstream of Sta. 867 is not part of the drain.

College Branch <u>v)</u>

<u>O. Leon (Roll No.</u> 000	<u>. 20028-136-00) (south) / Jukic Group Ltd. (Roll No. 20028-145-00) (North)</u> - Place 5m² of riprap at ditch outlet
000 to 114	 114m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 114m of power brushing (10m width on the south side) South bank to be seeded (2m side). Place/level spoil on south side
084	- Place 5m ² of riprap at a low run (swale) from the south.

The College Branch exists from Sta. 000 to 114. Upstream of Sta. 114 is not part of the drain.

<u>c)</u> <u>Culverts</u> The plans and profiles from the 1917 and 1942 drainage reports showed only a few laneway and road culverts along the length of the Glenny Drain and its branches. The following table identifies all existing access (laneway) and road culverts that are now part of the Glenny Drain 2017 and are to be maintained as per the maintenance provisions in this report.

Costs for maintenance/replacement of culverts identified in the table below as "Drain" shall be split 50% to the owner of the culvert and the remainder to the upstream lands and roads as outlet assessment.

Maintenance/replacement costs of culverts identified as "Private" are the responsibility of the owner using the culvert if such culvert remains. If culverts smaller than the minimum recommended size are installed at a later date, such culverts will be deemed an obstruction to the drain and removed at the landowner's expense. Recommended lengths for culverts are 9m residential access and 12m farm access. Road culverts are to match existing lengths.

Switch Road (Town of Fort Erie)	082 to 088 107 to 114.2 117 to 118	Responsibility Drain Drain Drain	(m) 6 7.2	1075mm dia. concrete pipe (bell and spigot) in good condition	(mm dia.) 1050mm HDPE
40055-117-00 Switch Road (Town of Fort Erie)	082 to 088 107 to 114.2 117 to 118		-	pipe (bell and spigot) in	1050mm HDPE
(Town of Fort Erie)	117 to 118	Drain	7.2		
40055-061-00				2.75m wide x 1.26m high concrete culvert with footings in good condition	2.75m x 1.26m box culvert
	070 51. 070 0			No existing culvert	1200mm CSP
40055-268-01	270.5 to 278.8	Private	8.3	Twin (2) concrete/ CSP laneway culverts (1- 500mm dia. and 1- 600mm dia.) in good condition	1200mm CSP
40055-268-01	441 to 447.2	Drain	6.2	Twin (2) 800mm dia. CSP's in poor condition (warped)	1200mm CSP
40055-267-00	483 to 570			No existing culvert	1200mm CSP
40055-264-00	570 to 630			No existing culvert	1200mm CSP
40055-263-00	770 to 777.5	Drain	7.5	900mm dia. CSP in good condition	1200mm CSP
40055-262-00	779 to 843			No existing culvert	1200mm CSP
Townline Road (Town of Fort Erie)	848 to 863.5	Drain	15.5	2.5m wide x 1.0m high concrete culvert with footings in good condition	2.5m x 1.0m concrete box culvert
20028-150-00	877 to 1+161			No existing culvert	1000mm CSP
	1+161 to 1+335			No existing culvert	900mm CSP
20028-147-00	1+631 to 1+636	Private	5	Dilapidated old wood bridge (size unknown)	900mm CSP
Q.E.W. (MTO)	1+800 to 1+920			No existing culvert	A culvert is not required
ii) Glenny Drain Sou	ıth				
20228-137-00/ 20028-145-00	000 to 332			No existing culvert	1800mm CSP
	332 to 568			No existing culvert	1800mm CSP
College Road (Town of Fort Erie)	571.5 to 605.5	Drain	34	3.65m wide x 1.2m high concrete culvert with footings in good condition	3.65m x 1.2m concrete box culvert
20028-136-01	608 to 650±			No existing culvert	1800mm CSP

	Schedule "A'			
Stations	Culvert	Existing		Minimum
			Condition	Recommended Size
0551,0050		. ,		(mm dia.)
655 10 685.6	Drain	30.6		3.65m x 1.2m
				concrete box culvert
695 to 012			No ovicting outvort	1800mm CSP
			2 45m wide (2 06m on	2.45m x 1.2m
927.7 10 943.0	Diam	15.9		concrete box culvert
949 to 1+354			No existing culvert	1800mm CSP
				1800mm CSP
				2.4m x 0.9m
	Dram		concrete culvert with	concrete box culvert
1+758 to 1+916				1400mm CSP
			···· ·································	
1+916 to 1+960			No existing culvert	1400mm CSP
			3	
			No existing culvert	900mm CSP
219.8 to 242	Drain	22.2		1200mm CSP
257 to 343			No existing culvert	A culvert is not
				required
000 to 390			No existing culvert	1200mm CSP
			the existing current	
390 to 694			No existing culvert	1200mm CSP
698.5 to 715.5	Municipal	17	900mm dia. steel smooth	900mm HDPE
	•		wall pipe in good	
			condition	
738 to 867			No existing culvert	900mm CSP
000 to 114			No existing culvert	600mm CSP
00010114				
	655 to 685.6 685 to 912 927.7 to 943.6 949 to 1+354 1+354 to 1+590 1+615 to 1+662 1+758 to 1+916 1+916 to 1+960 000 to 213 219.8 to 242 257 to 343 000 to 390 390 to 694 698.5 to 715.5 738 to 867	Stations Culvert Maintenance Responsibility 655 to 685.6 Drain 685 to 912 927.7 to 943.6 Drain 949 to 1+354 1+354 to 1+590 1+615 to 1+662 Drain 1+758 to 1+916 1+916 to 1+960 000 to 213 219.8 to 242 Drain 257 to 343 000 to 390 390 to 694 698.5 to 715.5 Municipal 738 to 867	StationsCulvert Maintenance ResponsibilityExisting Length (m) 655 to 685.6 Drain 30.6 685 to 912 927.7 to 943.6 Drain 15.9 949 to $1+354$ $1+354$ to $1+590$ $1+615$ to $1+662$ Drain 47 $1+758$ to $1+916$ $1+916$ to $1+960$ 000 to 213 219.8 to 242 Drain 22.2 257 to 343 000 to 390 390 to 694 738 to 867	Maintenance ResponsibilityLength (m)Condition655 to 685.6Drain30.63.65m wide x 1.2m high concrete culvert with footings in good condition685 to 912No existing culvert927.7 to 943.6Drain15.92.45m wide (3.06m on skew) x 1.2m high concrete culvert with footings in good condition949 to 1+354No existing culvert1+354 to 1+590No existing culvert1+615 to 1+662Drain472.4m wide x 0.9m high concrete culvert with footings in good condition1+758 to 1+916No existing culvert1+916 to 1+960No existing culvert1+916 to 1+960No existing culvert219.8 to 242Drain22.22.5m wide x 0.9m high concrete culvert with footings in good condition257 to 343No existing culvert390 to 694No existing culvert698.5 to 715.5Municipal17900mm dia. steel smooth wall pipe in good condition738 to 867No existing culvert

9.0 ENVIRONMENTAL CONSIDERATIONS

Contact was made with the Niagara Peninsula Conservation Authority (NPCA), the Ministry of Natural Resources and Forestry (MNRF) and Fisheries and Oceans Canada (DFO) to determine any existence of Species at Risk within the watershed. There are Grass Pickerel and River Redhorse present in the system. Responses from the DFO have indicated that the proposed work should be confined to a half-bottom cleanout and brushing and slope work on one bank, the other bank and half of the channel would be untouched. They requested that instead of rock sediment traps they should be changed to Newbury weirs/riffles.

The primary environmental concern in the design process was to minimize impacts to Beaver Creek Drain and Black Creek. The Glenny Drain 2017 outlets into both of these creeks. It is expected, by limiting the work in the existing open channel to half-bottom cleanout and power brushing (clearing) on one side only and by implementing temporary and permanent erosion control measures (such as Newbury weirs/riffles) and installing riprap on erosion-prone areas, that erosion and sedimentation will be controlled and/or minimized.

An application to work in water has been sent to DFO.

A copy of this report including specifications will be submitted to the NPCA and MNRF for review and approval.

The Niagara Peninsula Conservation Authority was notified of the on-site, second meetings conducted on the drain and an on-site review with NPCA staff of the proposed works and did not have any objections to the cleanout and brushing work proposed.

10.0 CONSTRUCTION CONSIDERATIONS

10.1 Environmental/Ministry Permits and Utilities

a) Environmental/Ministry Permits

The following agencies have been notified of the project:

- Applications to DFO and MNRF have been submitted in regards to Species at Risk dated November 2, 2016.
- NPCA, MNRF and DFO have been notified in regards to working in water, watercourse alterations and associated permits
- NPCA and MNRF have been notified in regards to the Wetlands alternative work and associated permits

An Encroachment Permit application will be required from the M.T.O. for the work proposed in the Q.E.W. right-of-way. No other applications should be required for this work other than possibly to the DFO. An application will be made if required.

b) Utilities

The locations at which utilities can be expected could be along the roads that are being crossed. There are hydro poles and possible overhead hydro lines existing along the roads and possibly underground Bell fibreoptics lines as well. Locates have not been done but should be completed prior to construction.

The Contractor is to contact all landowners along the proposed work/drain routes to determine the existence of any underground or overhead utilities on private properties prior to construction.

The Contractor will be required to have utilities located before undertaking work.

If any owner knows of any public or private underground utilities in the vicinity of the proposed drain cleanout, they should make the Engineer, Drainage Superintendent and Contractor aware of such prior to construction.

10.2 Warranty of Works

There shall be a 1 year warranty period on all completed construction work. The 1-year warranty will commence on the date of the completion certificate. Should any portions of the constructed work require corrective work up to the end of the 1 year warranty period, the Engineer may authorize bank stabilization (riprap, erosion control mats, etc.), re-sloping of banks and/or stone check dams (Newbury weirs/riffles) as necessary. The costs for such will be assessed against the overall assessment schedule. The Engineer and Municipality may also elect to do such repairs as maintenance work under the Drainage Superintendent if time and financing allow. If any areas require corrective work as the result of construction deficiencies such will be attended to as part of the contract.

10.3 Privacy of Lands

Even though a Municipal Drain exists across lands of the various landowners, there still is no right of one landowner to enter onto another landowner's lands. Only the Engineer (Engineer's assistant and survey/inspection crew) appointed by the Town as part of the work with respect to this report, and the

appropriate municipal representative (Drainage Superintendent) as part of his or her maintenance of the drain, plus the selected Town approved Contractors for construction and future maintenance of the drain, have the right to enter onto privately owned lands of others.

10.4 Construction Scheduling

Construction cannot commence until after the statutory requirements of the Drainage Act have been satisfied. If there are no appeals after the Court of Revision, construction could commence, weather permitting, approximately 10 days after the date of the Court of Revision. Appeals under the procedures in the Drainage Act could result in a later starting date for construction, as no construction can commence until all appeals are settled. No construction can take place until all necessary permits have been obtained through the MTO/NPCA/MNRF/DFO as required.

The Engineer may supervise the construction of the drain and may conduct at least two meetings with the Contractor and landowners affected by construction: one at the commencement and one at the completion of construction. The contract for construction of the drain will be awarded by public tender. Unless construction commencement and completion dates are requested prior to the tender call, the Contractor will specify in the tender the starting and completion dates for construction.

10.5 Alignment of Drains

All drains shall be constructed/maintained generally to the alignment as noted on the plans and as dictated by the Site-Specific Notes section in the Special Provisions. Existing fences near boundaries between properties shall be deemed to be in the proper location of the boundary unless otherwise noted by the affected landowners. In the absence of fences, or other properly marked and located legal boundaries, the drains shall be located more or less on the lands as noted in the plans and specific notes without the benefit of a legal survey to confirm property lines.

Construction/maintenance shall follow the location as specified in the plans, wherever practicable. The drain location roughly follows the location of the drain.

Should the owners require a more precise location for the drains in relation to their property line, or if there is a dispute about the location of any property line, it is recommended that the owners establish their legal property boundaries at their expense.

10.6 Working Corridor and Right of Way

The Contractor shall be allowed to operate his equipment within a working corridor as defined in the General Notes on the drawings and also in Sections 400.4 and 400.5 of the attached Standard Specifications for Construction of Drains. Each landowner along the drain is required to provide the Contractor and the Municipality with reasonable access to the drain on the property for both construction and maintenance.

11.0 DRAWINGS

i) Drain Location and Watershed Plans

The location of the Glenny Drain 2017 and the affected properties are shown on Drawing No. 1 included with this report. The heavy solid line indicates the location of the drain. The numbers adjacent to this line are station numbers which indicate in meters the distance along the drain. The heavy broken (dashed) line indicates the approximate watershed boundary for the drain and the thin broken (dashed) lines indicate the approximate intermediate (sub) watersheds for the intervals. The plan also shows other existing drains adjacent to the Glenny Drain 2017 watershed, property boundaries, Town assessment roll numbers and hectares affected for each property and road for each drain/branch/ interval. Drawing No. 2 is a plan enlargement of a portion of the Glenny Drain North.

ii) Profiles and Other Drawings

The profiles for the Glenny Drain 2017 are on Drawings No. 3 to 6. The profiles show the depth and grade for proposed work and/or for future maintenance. The upper thin solid line represents the existing ground (bank) level along the ditch. The lower thin broken (dashed) line represents the existing ditch bottom. The lower heavy solid line indicates the grade for the ditch bottom cleanout and for future maintenance. The lower heavy broken (dashed) line is the grade for future maintenance where no work is being done now. Drawing 5 also contains the typical details. Drawings 7 to 11 contain the typical cross-sections for the existing ditch(es) to be maintained and for the proposed ditch excavation/cleanout. Drawings 12 to 15 contain the Special Provisions (Construction Notes).

12.0 COST ESTIMATE

The cost estimate on this project has five components - the Allowances made to the owners having work on their properties, the Construction Cost Estimate (including contingency items), the Engineering Cost Estimate, the estimate of the Construction Supervision and Eligible Administration costs and Net HST (1.76%) costs) and an Estimated Cost Summary. These are set out in detail as follows:

12.1 Allowances

i) Section 29

Section 29 of the Drainage Act provides for the payment of allowances for right-of-way (R-O-W) to landowners who have a portion of a new drain on their property that has not been constructed pursuant to a previous report. This allowance compensates the owners for the land to accommodate the drain (right-of-way), access routes to the drain and for right-of-way alongside the drain for construction and maintenance purposes. There are no Section 29 allowances to private lands as these were provided for in the 1942 report.

ii) Section 30

Section 30 of the Drainage Act provides for payment of allowances to landowners where the lands are used for the construction of the drain. These allowances compensate the owners for damages caused by the construction equipment and for the placement of the drain including the piling and the levelling of excavated materials. Allowances were also made for access routes.

The allowance for damages to lands is based on common crop yields and historical crop prices compiled by OMAFRA for the area. A fair representative annual crop value has been arrived at using a 3-year composite average for the latest available crop statistics. The damage allowance rate is a form of compensation to account for both the immediate crop damage plus reduced productivity of the land for several years thereafter, caused by the work.

Section 30 (Damages) allowance are provided in accordance with the following rates as shown in the table below. There is a minimum amount of \$100 for damage allowances and a minimum fence removal of 20m. The widths and amounts of each property for damages are shown in the Table of Allowances as shown below.

Type of Land	Crop Value
Cultivated Lands	\$ 5,000/ha
Bush (Forest) and low lands	\$ 2,000/ha
Fence Type	Value
	Value
Old farm fences	\$ 5/m

iii) General

In accordance with Section 62(3) of the Drainage Act RSO 1990, the allowances shown may be deducted from the final assessments levied. A net payment to the owner would only be made when the allowance is greater than the final assessment. The allowances are a fixed amount and are not adjusted at the conclusion of construction. Allowances can only be changed if the report is modified prior to the adoption of the report by bylaw or in accordance with the Drainage Act procedures that deal with changing the scope of work after the bylaw is passed.

iv) Table of Allowances

The allowances payable to the owners entitled thereto on this project are therefore as follows.

				Damag (Section	ges
				(Section	Width
Con	Lot	Roll No.	Owner	(\$)	(m)
	DRAIN NORTH			(+)	()
		<u>(20028-)</u>	(Bertie Twp)		
8	Pt 15	147-00	P. Band & F. Cohen	2,300	10
8	Pt 16	150-00	A. Kittel	1,400	10
8	Pt 16	151-00	G. Poulsen	900	10
0	1110	<u>(40055)-</u>	(Willoughby Twp)	300	10
Adj Cross	Pts 15,16&21	262-00	Stevens Bancorp Inc.	300	10
Adj Cross	Pt 21	263-00	S. Sanderson & G. Melvin	700	10
Adj Cross	Pt 22	264-00	R. Howard	300	10
Adj Cross	Pt 22	267-00	W. Grimm	400	10
Auj 01033	1122	207-00	Sub Total:	6,300	10
			300 10001.	0,300	
ii) GLENNY	DRAIN SOUTH				
		<u>(20028-)</u>	<u>(Bertie Twp)</u>		
7	Pt 11	085-00	M.T.O.	1,000	10
7	Pt 12	086-00	J. Elliot	400	5
7	Pt 12	087-00	Jukic Group Ltd.	1,200	10
7	Pt 12	088-00	S. Singh	2,000	10
7	Pt 13	092-00	B. & I. Bryant	1,100	10
8	Pt 13	136-00	O. Leon	1,200	10
8	Pt 13	136-01	Town of Fort Erie	200	10
8	Pt 13	137-00	G. & C. Nigh	700	10
8	Pt 14	145-00	Jukic Group Ltd.	100	10
			Sub Total:	7,900	
iii) Q.E.W. E	BRANCH				
		<u>(20028-)</u>	(Bertie Twp)		
8	Pt 14	145-00	Jukic Group Ltd.	1,100	10
			Sub Total:	1,100	
iv) C.N.R. B	RANCH				
		<u>(20028-)</u>	(Bertie Twp)		
7	Pt 10, 11	083-01	M. Dolbeau & M. Laroche	800	5
7	Pts 9 to 11	084-00	J., T. & G. Curtis	4,100	10
7	Pt 12	087-00	Jukic Group Ltd.	500	5
7	Pt 10	047-996	C.P.R.	100	10
			Sub Total:	5,500	
v) COLLEG	E BRANCH			-,	
		<u>(20028-)</u>	<u>(Bertie Twp)</u>		
8	Pt 13	136-00	O. Leon	600	10
8	Pt 14	145-00	Jukic Group Ltd.	300	5
			Sub Total:	900	
			TOTAL ALLOWANCES:	\$ 21,700	

Note:

The Townships noted above are in the Town of Fort Erie.

12.2 Construction Cost Estimate

The estimated cost for Labour, Equipment and Materials to construct the proposed drain is outlined in detail in the following section. The cost estimate is formatted to comply with the Region of Niagara Standard Contract Document. The final cost of drain construction cannot be established until the construction is completed. The Contractor is to supply all labour, equipment and materials to construct the following:

ltem No.	Stations	Description	Unit	Quantity	Unit Price	Tota Cos
-	nny Drain North		01110	Quantity	1 1100	000
1.	115	Construct Newbury weir/riffles	each	1	\$ 1,200	\$ 1,20
2.	495	Construct temporary straw bale dam/sediment trap	each	1	300	30(
3.	495 to 843	Half-bottom cleanout, 1.5m wide bottom, 2:1 side slopes including levelling on east side	m	348	20	7,000
4.	495 to 843	Power Brushing 10m width (10m width on east side)	m²	3,480	2	7,00
5.	495 to 843	Seeding of east bank (2m side)	m²	1,392	1	1,40
6.	517, 570, 677 & 748	5m ² of riprap at each location	m²	20	45	90
7.	843 to 877	Clean through road culvert and ditches at each end (Townline Road) including hauling away spoil	m	34	40	1,40
8.	872	Construct Newbury weir/riffles	each	1	1,200	1,20
9.	877 to 1+800	Half-bottom cleanout, 1.5m wide bottom, 2:1 side slopes including levelling on east side	m	923	20	18,50
10.	877 to 1+800	Power Brushing 10m width (10m width on east side)	m²	9,230	2	18,50
11.	877 to 1+800	Seeding of east bank (2m side)	m²	1,846	1	1,80
12.	895, 919, 1+335, 1+354, 1+375, 1+439, 1+453, 1+528, 1+552, 1+630 & 1+660	5m² of riprap at each location	m²	55	45	2,50
13.	1+800 to 1+920	Half-bottom cleanout, 1.5m wide bottom, 2:1 side slopes including hauling away spoil	m	120	30	3,60
14.	1+800 to 1+920	Power Brushing (10m width on east side)	m²	1,200	2	2,40
15.	1+800 to 1+920	Seeding of east bank (2m side)	m²	240	1	20
		Sub Total Part i):				\$ 67,90
ii) Gle	enny Drain South					
16.	330±	Construct Newbury weir/riffles	each	1	1,200	1,20
17.	332 to 568	Half-bottom cleanout, 2.1m wide bottom, 2:1 side slopes including levelling on east side	m	236	20	4,70
18.	332 to 568	Power Brushing (10m width on east side)	m²	2360	3	7,20
19.	332 to 568	Seeding of east bank (2m side)	m²	1205	1	1,20
20.	460 to 464	Remove and dispose of existing stone drop structure	each	1	500	50
21.	568 to 608	Clean through road culvert and ditches at each end (College Road) including hauling away	m	40	40	1,60
22.	608 to 650	Half-bottom cleanout, 2.1m wide bottom, 2:1 side slopes including levelling on east side	m	42	20	80
23.	608 to 650	Power Brushing (10m width on east side)	m²	420	2	80
24.	608 to 650	Seeding of east bank (2m side)	m²	168	1	20

tem					Unit	Tota
No.	Stations	Description	Unit	Quantity	Price	Cos
25.	650 to 685	Clean through road culvert and ditches at each end (Ridgemount Road) including hauling away spoil	m	35	40	1,400
26.	685 to 912	Half-bottom cleanout, 2.1m wide bottom, 2:1 side slopes including levelling on west side	m	227	20	4,50
27.	685 to 912	Power Brushing (10m width on west side)	m²	2270	2	4,50
28.	685 to 912	Seeding of west bank (2m side)	m²	908	1	900
29.	912 to 949	Clean through road culvert and ditches at each end (Eagle Street) including hauling away spoil	m	37	40	1,500
30.	949 to 1+129	Half-bottom cleanout, 2.1m wide bottom, 2:1 side slopes including levelling on west side	m	180	20	3,60
31.	949 to 1+129	Power Brushing (10m width on west side)	m²	1800	2	3,60
32.	949 to 1+129	Seeding of west bank (2m side)	m²	360	1	40
33.	769 & 994	Place 5m ² of riprap at each location	m²	10	45	50
34.	607± & 946	Construct Newbury weir/riffles at each location	each	2	1200	2,40
35.	1+129 to 1+582	Half-bottom cleanout, 2.1m wide bottom, 2:1 side slopes including levelling on west side	m	453	20	9,10
36.	1+129 to 1+582	Power Brushing (10m width on west side)	m²	4,530	2	9,10
37.	1+129 to 1+582	Seeding of west bank (2m side)	m²	906	1	90
38.	1+197, 1+354, & 1+424	Place 5m ² of riprap at each location	m²	15	45	70
39.	1+575	Construct Newbury weir/riffles	each	1	1,200	1,20
40.	1+582 to 1+590	Bottom cleanout, 1.2m wide bottom, 2:1 side slopes including levelling on south side	m	8	20	20
41.	1+582 to 1+590	Power Brushing (10m width on south side)	m²	80	2	20
42.	1+582 to 1+590	Seeding of south bank (2m side)	m²	16	1	10
43.	1+590 to 1+662	No Work Required. Existing ditch and highway culvert to remain		0	0	
44.	1+662 to 1+758	Bottom cleanout, 1.2m wide bottom, 2:1 side slopes including hauling away spoil	m	96	30	2,90
45.	1+662 to 1+758	Power Brushing (10m width on east side)	m²	960	2	1,90
46.	1+662 to 1+758	Seeding of east bank (2m side)	m²	192	1	20
47.	1+669	Place 5m ² of riprap	m²	5	45	20
48.	1+758 to 1+960	Bottom cleanout, 1.2m wide bottom, 2:1 side slopes including levelling on north/west side	m	202	20	4,00
49.	1+758 to 1+916	Power Brushing (10m width on north side)	m²	2,370	2	4,70
50.	1+916 to 1+960	Power Brushing (10m width on west side)	m²	440	2	900
51.	1+758 to 1+960	Seeding north/west bank (1m side) Sub Total Part ii):	m²	202	1	20 \$ 78,00
52.	E.W. BRANCH 000 to 213	Bottom cleanout, 1.5m wide bottom, 2:1 side slopes including levelling on east side	m	213	20	4,300
53.	000 to 213	Power Brushing (10m width on east side)	m²	2,130	2	4,30
54.	000 to 213	Seeding of east bank (1m side)	m²	213	1]	20
55.	213 to 242	Clean through road culvert and ditches at each end (College Road) including hauling away	m	29	40	1,20
56.	242 to 343	Bottom cleanout, 1.5m wide bottom, 2:1 side slopes including hauling away spoil	m	101	30	3,00
57.	242 to 343	Power Brushing (10m width on west side)	m²	1,010	2	2,00
58.	242 to 343	Seeding of west bank (2m side)	m²	202	1	2,00

	1	Schedule "A" to By-law No. 76-2019		,		
Item					Unit	Tota
No.	Stations	Description	Unit	Quantity	Price	Cos
59.	000, 019 & 130	Place 5m ² of riprap at each location	m²	15	45	700
	<u> </u>	Sub Total Part iii):				\$ 15,900
iv) C.	N.R. BRANCH					
60.	000 to 694	Bottom cleanout, 1.2m wide bottom, 2:1 side slopes including levelling on south side	m	694	20	13,900
61.	000 to 210	Power Brushing (10m width on south side)	m²	3,150	2	6,300
62.	210 to 390	Power Brushing (10m width on south/east side)	m²	1,800	2	3,600
63.	390 to 694	Power Brushing (10m width on east side)	m²	4,560	2	9,100
64.	000 to 694	Seeding of south/east bank (2m side)	m²	1,388	1	1,400
65.	000, 015, 031, 060, 310, 325, 425, & 465	Place 5m ² of riprap at each location	m²	40	44	1,800
66.	694 to 716	Bottom cleanout and clean through railway culvert (C.P.R.) including hauling away spoil	m	22	40	900
67.	716 to 867	Bottom cleanout, 1.2m wide bottom, 2:1 side slopes including levelling on east side	m	151	20	3,000
68.	731	Construct Newbury weir/riffles	Each	1	1,200	1,200
69.	738 to 867	Power Brushing (10m width on east side)	m²	1,290	2	2,600
70.	716 to 867	Seeding of east bank (2m side)	m²	1,510	1	1,500
	•	Sub Total Part iv):				\$ 45,300
-	DLLEGE BRANCH					
71.	000 to 114	Bottom cleanout, 1.2m wide bottom, 2:1 side slopes including levelling on south side	m	114	20	2,300
72.	000 to 114	Power Brushing (10m width on south side)	m²	1,710	2	3,400
73.	000 to 114	Seeding of south bank (2m side)	m²	342	1	300
74.	000 & 084	Place 5m ² of riprap at each location	m²	10	45	500
	•	Sub Total Part v):		•		\$ 6,500
Sub Total Parts i) to v):						\$213,60
vi) PF	ROVISIONAL ITEMS (CO	ONTINGENCY ALLOWANCES)				
75.		Additional 10m ² of riprap on filter underlay at erosion areas or where required	m²	10	45	450
76.		Lump sum for miscellaneous	L.S.			20,750
		Sub Total Part vi):				\$ 21,200
	TOTAL CONSTRUCT	ION COST ESTIMATE Parts i) to vi):				\$234,80

Notes:

1. There is no work required at this time on the Glenny Drain North from Sta. 000 to 495 except as noted at Sta. 115.

2. There is no work required at this time on the Glenny Drain South from Sta. 000 to 332± except as noted at Sta. 330±.

3. L.S. – Lump Sum

4. It is a possibility that some landowners may do the brushing work along the drain on their properties. If such is done by them, the Drainage Superintendent and the Engineer must be informed prior to the work being done and the work is to be done in accordance with the special provisions and specifications of this report and before the Contractor has begun construction. The landowner will be credited for such work at the Engineer's estimate.

12.3 Engineering Cost Estimate

i) Report Preparation

For work related to gathering of background information, preparing for and attending on-site meeting, field survey including GPS survey, fly levels and cross-sections, preparing profiles and cross-sections, drain design, conducting discussions with affected landowners and agencies, cost estimates, reviewing past reports, reviewing watersheds, preparing for and attending an informal (second) and other meetings, preparing assessment schedules, preparing future maintenance schedules, report writing and typing, completing the drawings and special provisions, and preparing for and attending the Consideration of Report and Court of Revision meetings.

**	Project Initiation First Meeting Field Investigation Design Schedule Second Meeting Environmental Consultation Revise Design Prepare Report Preparing for and attending Consideration of Report Meeting Preparing for and attending Court of Revision Meeting	\$ 1,800 5,500 25,500 16,200 4,000 5,500 6,700 7,800 7,000 1,500 1,500
	Preparing for and allending Court of Revision Meeting	1,500

TOTAL ENGINEERING COST ESTIMATE:

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$ 83,000 *
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** Cost is for a maximum of 4 appeals. Additional appeals will increase this cost. If the Engineer is not required at this meeting, then this item will be deleted.

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 Drainage Tribunal, which would involve additional costs. The amounts shown for meetings are estimates.

12.4 Construction Supervision and Eligible Administration Cost Estimate

i) Construction Supervision

For work to prepare tender documents, review tenders submitted and contract award, attend preconstruction meeting, periodic construction inspection, payments, do a final inspection, postconstruction follow-up, and prepare or assist in preparing the OMAFRA grant application.

Create Niagara Standard Tenders and Review Tender bids	8,000
Inspection	28,500
Contract Administration	3,000
Final Inspection	2,500
Final paper work	3,000
Total Construction Supervision Estimate:	\$ 45,000 *

The estimate shown for Construction Supervision is based on past experience and assumes good construction conditions and a Contractor who completes the construction in an efficient manner. The final (actual) cost for construction supervision will vary as per the actual time spent during the construction stage, plus disbursements.

ii) Eligible Administration Cost Estimate

Section 73 of the Drainage Act indicates that specific administrative costs incurred by the municipality in carrying out the Drainage Act process are eligible as a cost of the drain. Section 73(1) lists the following eligible costs: the *cost of any application, reference or appeal and the cost of temporary financing*. Sections 73(2) and 73(3) indicate that costs of elected and staff personnel are not eligible.

This administration cost estimate may not be adequate to cover any legal or engineering costs incurred by or assessed to the municipality should the project be appealed beyond the Court of Revision though such costs may form part of the final drain cost.

The OMAFRA Agricultural Drainage Infrastructure Program (ADIP) policies (applicable where the provincial grant is made) indicates that municipal costs for photocopying and mailing required to carry out the required procedures under the Drainage Act can also be included as eligible administration costs on a drain.

The eligible administration cost estimate thus includes an allowance for the following items:

MNRF/DFO/NPCA submissions (if required)	\$ 500 *
Printing of reports	250 *
Printing of tender documents	500 *
Interest Estimate	3,100
Permits and Applications Fees Allowance	500 *
Unforeseen	3,000 *
Total Eligible Administration Cost Estimate:	\$ 7,850

iii) Net HST

The Harmonized Sales Tax (HST) will apply to most costs on this project (allowances and interest are excluded). However, the Municipality is eligible for a refund of a proportion of the HST paid. Therefore, the cost estimate in this report does include a dollar allowance equivalent to a net tax (Net HST) in the amount of 1.76%. The estimated Net HST has been rounded off to the nearest \$5.

Net HST (1.76%) Estimate:	<u>\$ 6,520</u>
TOTAL CONSTRUCTION SUPERVISION, ELIGIBLE ADMINISTRATION COSTS AND NET HST ESTIMATE:	\$ 59,370
<u>12.5 Estimated Cost Summary</u> Allowances Construction Cost Estimate Engineering Cost Estimate Construction Supervision, Eligible Administration Costs and Net HST Estimate TOTAL ESTIMATED COST:	\$ 21,700 234,800 83,000 <u>59,370</u> \$ 398,870

* The estimated Net HST (1.76%) would be applicable to these items.

It is possible that additional costs (construction, supervision and administration) may be incurred if the MNRF, DFO or NPCA would require additional investigation and construction to address their concerns.

13.0 ASSESSMENTS

The Drainage Act requires that the total estimated cost of the project 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 Special Assessment (Section 26). On this project, assessments for Benefit and Outlet Liability are used.

a) Outlet Liability Assessments (Section 23)

The method of calculating the assessments in Schedule A is illustrated in Appendix A which has been included in this report. Appendix A divides the drain into drains/branches and intervals. The estimated cost for each interval is then determined. The first step in the assessment calculation is to

apply benefits, special benefits and special assessments, if applicable, to the affected lands and roads in each of the drain intervals. After deducting the total benefit, special benefit and special assessments from the interval cost, the balance of the cost is then assessed as outlet liability on a per hectare basis to all upstream lands and roads in the interval watershed. As noted, the hectares affected are adjusted prior to calculating the outlet liability. The basis for this adjustment is 1 hectare (2.5 acres) of cleared agricultural land contributing both surface and subsurface water to the drain. Areas which generate greater runoff such as roads are increased by a factor of 2.0 for paved Town and Regional Roads, 3.0 for the Q.E.W., and 1.5 for gravel roads, railways and built-up (residential/commercial/industrial/ institutional) areas. Areas which generate lesser runoff such as woodlots (bush areas) and low lands are decreased by a factor of 0.5.

On this project in Schedule A, there is a minimum gross assessment of \$40 per property.

b) Benefit Assessments (Section 22)

There are some small benefits (\$32 or less) to some owners to bring their assessments up to the \$40 minimum gross assessment.

i) Glenny Drain North

P. Band & F. Cohen (Roll No. 20028-147-00) - \$9,300 A. Kittel (Roll No. 20028-150-00) - \$6,900 G. Poulsen (Roll No. 20028-151-00) - \$3,500 Stevens Bancorp Inc. (Roll No. 40055-262-00) - \$1,300 S. Sanderson & G. Melvin (Roll No. 40055-263-00) - \$3,500 R. Howard (Roll No. 40055-264-00) - \$1,300 W. Grimm (Roll No. 40055-267-00) - \$1,600 Q.E.W. (M.T.O.) - \$14,100 Townline Road (Town of Fort Erie) - \$6,600 College Road (Town of Fort Erie) - \$15,800

ii) Glenny Drain South

M.T.O. (Roll No. 20028-085-00) - \$2,000 J. Elliot (Roll No. 20028-086-00) - \$1,600 Jukic Group Ltd. (Roll No. 20028-087-00) - \$4,600 S. Singh (Roll No. 20028-088-00) - \$8,400 B. & I. Bryant (Roll No. 20028-092-00) - \$4,500 O. Leon (Roll No. 20028-136-00) - \$2,400 Town of Fort Erie (Roll No. 20028-136-01) - \$800 G. & C. Nigh (Roll No. 20028-137-00) - \$2,400 Q.E.W. (M.T.O.) - \$38,100 College Road (Town of Fort Erie) - \$4,600 Ridgemount Road (Town of Fort Erie) - \$6,000 Sumner Road (Town of Fort Erie) - \$8,300 Eagle Street (Town of Fort Erie) - \$4,100

<u>iii) Q.E.W. Branch</u> Jukic Group Ltd. (Roll No. 20028-145-00) - \$4,300 Q.E.W. (M.T.O.) - \$11,100 College Road (Town of Fort Erie) - \$6,800

<u>iv)</u> C.N.R. Branch M. Dolbeau & M. Laroche (Roll No. 20028-083-01) - \$4,200 J. T. & G. Curtis (Roll No. 20028-084-00) - \$10,000 Jukic Group Ltd. (Roll No. 20028-087-00) - \$2,100 C.N.R. (Roll No. 20028-031-994) - \$3,200 C.P.R. (Roll No. 20028-047-996) - \$3,500

<u>v)</u> <u>College Branch</u> O. Leon (Roll No. 20028-136-00) - \$1,100 Jukic Group Ltd. (Roll No. 20028-145-00) - \$1,100 College Road (Town of Fort Erie) - \$6,300

c) Special Benefit Assessments (Section 24)

Section 24 of the Drainage Act directs that:

"The Engineer may assess for Special Benefit any lands for which Special Benefits have been provided by the drainage works."

"Special Benefit" means any additional work or feature included in the construction, repair or improvements of drainage works that has no effect on the functioning of the drainage works.

There are no assessments for Special Benefit on this project at this time. However, Special Benefits could be incurred during construction as follows:

- If a landowner elects to haul spoil off-site (where not so indicated by this report) the increased cost of hauling spoil off-site above the cost of levelling spoil will be assessed to the landowner and it is not eligible for the grant.
- If a landowner elects to have new fencing in this report, the landowner will be assessed the increased cost for the new fence and it is not eligible for the grant.

d) Special Assessment (Section 26)

Section 26 of the Drainage Act directs that:

"In addition to all other sums lawfully assessed against the property of a public utility or road authority under this Act, and despite the fact that the public road authority is not otherwise assessable under this Act, the public utility or road authority shall be assessed for and shall pay all the increase of cost of such drainage works caused by the existence of the works of the public utility or road authority."

There are no special assessments at this time. However, should crossings of utilities (such as underground Hydro, Bell and Gas lines, etc.) be encountered and require work by the Contractor, or should any municipal utilities (such as sanitary sewers, storm sewers or watermains) require work by the Contractor, the costs will be assessed as special assessments to the utilities or road authority, based on the actual construction costs incurred and any additional engineering and administration costs. However, if the utility or road authority undertakes the work, there will be no construction costs in the Special Assessment. If the work of the Contractor at a utility or watermain is only to locate, protect, possibly put a low-cost protective medium over the utility line, there will be no Special Assessment for such.

e) Assessments in Schedule B (Schedule of Assessments for Future Maintenance) These assessments are described in the "Maintenance" section of this report.

f) Assessment Summary (Schedules A to C)

The assessments against the affected lands and roads are summarized in Schedule A. Schedule B (Schedule of Assessments for Future Maintenance) is to be used to bill out future maintenance costs for all of the Glenny Drain 2017. Schedule C (Schedule for Actual Cost Bylaw) illustrates the estimated Net Assessments for each property and road after possible grants and allowances are deduced. The assessments are based on the estimated costs of the work, etc. and the final assessments shall be prorated on the basis of the final project costs. Net assessments in Schedule C may vary depending on the availability of grants.

In Schedules A to C each parcel of land assessed has been identified by the Assessment Roll Number for the municipality at the time of the preparation of this report. The size of each parcel (property) was established using the assessment roll information. For convenience only, each parcel

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Schedule "A" to By-law No. 76-2019

is further identified by the owner's name from the last revised assessment roll. Final assessments are not levied until after the work is certified complete by the Engineer. The final assessments will thus be to the owner of the identified parcel at the time the final cost is levied. Properties eligible for the Farm Property Class Tax Rate (F.P.C.T.R.) may be eligible for the provincial (OMAFRA) one-third (33-1/3%) grant as per OMAFRA's ADIP policies. This grant may also be available for maintenance assessments.

14.0 ITEMS REQUESTED BY OWNERS

Any additional work or feature (such as additional and ornamental fencing, culverts, etc.) that are requested by landowners at any time that has no effect on the function of the drainage works, will be assessed to that owner. This would be a Special Benefit in accordance with Section 24 of the Drainage Act and would not be eligible for the grant.

15.0 COST OVERRUN PROVISIONS

In any cost estimate prepared by the Engineer, the substantial component relates to "construction". The construction cost estimate is prepared by the Engineer using his best knowledge of past and expected costs. However, any project must be put to tender after any report to implement it is adopted and the costs for construction can vary as per the tender received. The Drainage Act makes it mandatory to have a review by the petitioners/landowners if the tender cost should exceed the Engineer's estimate by 33%.

The allowances component of the report and the engineering for the preparation of the report itself do not vary except if appeals are involved. Construction Supervision and Eligible Administrative costs can vary with the extent of construction supervision required and with any lengthy costs or delays due to appeals, etc. where interest costs and legal representation are impacted.

All increased costs are normally prorated against the assessment schedule that is included. Contingency allowances are also included in the construction cost estimate and unforeseen costs are included in the eligible administrative cost estimate, and such could reduce the impact of cost increases.

16.0 MAINTENANCE

The Glenny Drain 2017, as outlined in this report, shall be maintained by the Town of Fort Erie with costs of all maintenance to be assessed to the lands and roads pro rata with the assessments in Schedule B (Schedule of Assessments for Future Maintenance).

To use Schedule B, the interval in which maintenance is to be undertaken must be identified. Then the percentages shown will be used to establish the amount that each property and road will bear for maintenance costs in that interval. If repair or maintenance is performed at 2 or more intervals, the percentages/assessments shown are to be totalled. A minimum percentage assessment is applied to all future small lots (built-up areas) in the watershed of 0.01% per interval affected.

It is noted that the dollar amounts currently shown in Schedule B are only theoretical and not amounts to be paid. These theoretical amounts were used to develop the assessment percentages that lands and roads would pay for whatever maintenance costs are incurred in the future.

The following notes apply for future repairs and maintenance and are to be considered as further specifications for the Glenny Drain 2017 (also refer to the "Recommended Work" section in this report which describes what the drain and culverts are for future maintenance purposes):

a) All culverts along the Glenny Drain 2017 that are shown to cross a road allowance shall be considered to be a part of the Glenny Drain 2017, but only the cost of cleaning through such culverts* shall be assessed as per ditch clean out cost upstream or downstream of the culvert.

Any work to maintain the structural integrity or to extend or replace the culverts and resulting costs will be assessed fully (100%) to the road authority.

- b) The culvert across the C.P.R. (Roll No. 047-996) on the C.N.R. Branch, shall be considered to be part of the Glenny Drain 2017, but only the cost of cleaning through such culvert* shall be assessed as per ditch cleanout cost upstream or downstream of the culvert. Any work to maintain the structural integrity or to extend or replace the culvert and resulting costs will be assessed fully (100%) to the owner of the roll number.
- c) Residential culverts along the Glenny Drain 2017, that are considered to be part of the drain, may be replaced up to 9m in length with the cost being split with 50% to the abutting property and 50% to the upstream lands and roads. The cost of additional length over 9m is to be solely assessed (paid) by the abutting property and is not eligible for the grant.
- d) Industrial, commercial or farmland culverts along the Glenny Drain 2017, that are considered to be part of the drain, may be replaced up to 12m in length with the cost being split with 50% to the abutting property and 50% to the upstream lands and roads. The cost of additional length over 12m is to be solely assessed (paid) by the abutting property and is not eligible for the grant. If a residential home is located on industrial, commercial or farmland property a second access culvert may be installed with the cost being split with 50% to the abutting property and 50% to the upstream lands and roads. Cleanout costs*.
- e) Culverts installed to service public utilities, if any, shall be assessed 50% to the utility and 50% to the affected land or road.
- f) The replacement of an existing culvert or placing of a new culvert on the Glenny Drain 2017 must be approved by the Town of Fort Erie. It may be appropriate to undertake such work under a new Engineer's report under the Drainage Act.
- g) According to Section 74 of the Drainage Act, RSO 1990, each owner along the drain must provide an access route to the drain for access by the Municipality to undertake the construction and necessary repair or maintenance. As well, a 5m wide right-of-way along each side of the open ditch drain routes are also to be available for future maintenance. Landowners may not place obstructions within the R.O.W. that may prevent routine maintenance of the drain. All costs resulting from the removal of such obstructions shall be assessed fully to the landowner without any grant.
- h) Any landowner making a new connection into any of the Glenny Drain 2017, either tile, open ditch or outlet, shall request permission from the Drainage Superintendent to connect to such drain. If the Drainage Superintendent is not notified, this connection will be deemed to be an obstruction under Sections 81& 82 of the Drainage Act RSO 1990 and shall be removed at the owner's expense.
- i) All parties affected by the Glenny Drain 2017 are encouraged to periodically inspect the drain once constructed and report any visible or suspected problems to the Town of Fort Erie.
- j) The discharge of anything but clean, unpolluted water into a drain is forbidden by other provincial legislation. Materials such as petroleum products, liquid and granular fertilizers, herbicides, insecticides, fungicides, empty containers/boxes, spoiled produce, domestic and industrial garbage and waste, human or animal sewage, grey water sewage, scrap machinery cannot be stored or placed adjacent to a ditch and can not be allowed to enter a ditch. Any non-compliance should be reported to the Ministry of Environment and Climate Change.
- * Removal of accumulated sediments or debris within any culvert shall be considered as normal maintenance.

In order to facilitate maintenance, provide for nutrient management and decrease the amount of soil erosion and bank degradation, it is recommended that a 0.9m (3') wide buffer strip be maintained on both sides of an open drain. Ideally, buffer strips should not be cultivated but could be lawn, pasture, access or forage crops.

To ensure that the capacity of the drain is not exceeded by future land use or watershed changes, it is recommended that a Section 65 report be prepared after a land use or watershed change has occurred.

To ensure future maintenance schedules have been kept up-to-date, a Section 65 report should be prepared when severances and amalgamations of parcels have occurred.

17.0 BYLAW

This report including the drawings and specifications, the assessment and future maintenance schedules and appendices, when adopted by bylaw in accordance with the Drainage Act, RSO 1990, provides the basis for construction and maintenance of the Glenny Drain 2017.

18.0 GRANTS

In accordance with the provisions of Section 85 of the Drainage Act and OMAFRA's ADIP policies, a grant not exceeding 1/3 (33-1/3%) may be available on the assessments against privately owned parcels of land which are used for agricultural purposes and that currently receive the Farm Property Class Tax Rate are eligible for the grant. Based on Municipal assessment roll information reviewed during the preparation of this report, the assessed parcels that have the Farm Property Tax Class and are thus eligible for the 1/3 grant, are identified with an 'F' in the first column of Schedule C.

Section 88 of the Drainage Act provides for the Municipality to apply for this possible grant upon certification of completion of the drain provided for in this report. The Municipality will first confirm that the Farm Property Tax Class for the parcel in the current assessment roll and then deduct the grant from the assessment prior to collecting the final assessments.

If an assessed owner feels that their property should be eligible for the grant, and they can provide proof to the Municipality of this eligibility as noted prior to the final cost levy, then the property could have the 1/3 (33-1/3%) grant deducted from the final cost levy. Please be advised that OMAFRA retains the final right to determine eligibility under the grant program, regardless of designation herein.

Schedule C (Schedule for Actual Cost Bylaw) illustrates the net assessments after deducting grants, if any, and allowances from the final assessments. Please note that Schedule C assumes that all project costs will be eligible for the grant and that the identified properties in the watershed will retain the Farm Property Tax Class.

In accordance with Section 85 of the Drainage Act, a grant not exceeding 1/3 (33-1/3%) may also be available in the future on the assessments against privately owned parcels of land taxed as agricultural (again as per OMAFRA's ADIP policies), for maintenance and repair of the Glenny Drain 2017, if done on the recommendation and supervision of an approved Drainage Superintendent and using the same eligibility requirements as outlined above.

19.0 CHANGES TO DRAIN

Should changes to the drain proposed in this report be required after the bylaw is passed and the contract is awarded, there may be some difficulty in attending to such. Since this drain is to be constructed in accordance with a Bylaw of the Town of Fort Erie, changes to the drain cannot be undertaken without a change to the bylaw. An exception would be a minor changes to the drain which are approved by the Engineer and the Municipality in accordance with the General Conditions in the report. Such changes must occur before final costs are levied.

If it is desired to make a substantial addition or deletion to the drain proposed in this report, it will be necessary that a revised report be prepared and processed through the Drainage Act, or in some cases, an application to the Ontario Drainage Tribunal may be required under the Drainage Act to obtain approval for a necessary change. The application to the Tribunal must occur before final costs are levied.

If any individual or group of owners require additional work on the proposed drain and are prepared to fully pay for such, they may make their own arrangements with the Contractor to have such work constructed. The Engineer must pre-approve such additions to verify there is no impact on the function or maintenance of the drain as proposed. Even so, the work added would not form part of the drain for the purpose of future maintenance, or be eligible for the grant.

All of which is respectfully submitted.

K. SMART ASSOCIATES LIMITED

Moraie

Neal Morris, P. Eng.

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SCHEDULE A - SCHEDULE OF ASSESSMENTS GLENNY DRAIN 2017 Town of Fort Erie

				Sociestine Bran Byorian No. 76-2				019 GLENNY DRAIN SOUTH				Q.E.W. BRANCH			
				Approx ha				Approx ha				Approx ha			
Con	Lot	Roll No.	Owner	Affected	Benefit	Outlet	Total	Affected	Benefit	Outlet	Total	Affected	Benefit	Outlet	Total
	-	<u>(20028-)</u>	(Bertie Twp)												
6	Pt 10	019-00	Management Board Secretariat	0.0	0	0	0	6.0	0	1,656	1,656	0	0	0	0
6	Pt 10 Pts 9 & 10	020-00 023-00	M.T.O. G., J. & T Curtis	0.0 0.0	0	0	0	3.0 2.9	0 0	565 608	565 608	0 0	0	0	0
6	Pt 11	025-00	G. Lichtenberger	0.0	0	0	0	2.9 24.9	0	8,357	8,357	0	0	0	0
6	Pt 12	023-00	Appomattox Club of Buffalo	0.0	0	0	0	4.6	0	866	866	0	0	0	0
7	Pt 8	075-00	J. Laur	0.0	0	0	0	3.6	0	754	754	0	0	0	0
7	Pt 8	075-03	Walker Aggregates Inc.	0.0	0 0	Ő	0 0	5.0	0	922	922	0	0 0	Ő	0
7	Pt 8	075-04	Walker Aggregates Inc.	0.0	0	0	0	4.7	0	818	818	0	0	0	0
7	Pt 9	078-00	M. & S. Kompf	0.0	0	0	0	0.5	0	168	168	0	0	0	0
7	Pt 9, 10, 11	079-00	J., T. & G. Curtis	0.0	0	0	0	32.1	0	5,783	5,783	0	0	0	0
7	Pt 9	080-01	A. & H. Miller	0.0	0	0	0	3.9	0	818	818	0	0	0	0
7	Pt 9	081-00	C. Spada	0.0	0	0	0	0.3	0	63	63	0	0	0	0
7	Pt 10, 11	083-01	M. Dolbeau & M. Laroche	0.0	0	0	0	12.9	0	2,596	2,596	0	0	0	0
7	Pts 9 to 11	084-00	J., T. & G. Curtis	0.0	0	0	0	47.8	0	9,284	9,284	0	0	0	0
7	Pt 10	084-10	J. & T. Rehm	0.0	0	0	0	1.0	0	315	315	0	0	0	0
7	Pt 11 Pt 12	085-00 086-00	M.T.O. J. Elliot	0.0 0.0	0	0	0	2.0	2,000	377	2,377	0	0	0	0
7	Pt 12 Pt 12	086-00	J. Elliot Jukic Group Ltd.	0.0	0	0	0	12.8 9.3	1,600 4,600	1,823 1,001	3,423 5,601	0	0 0	0	0
7	Pt 12 Pt 12	087-00	S. Singh	0.0	0	0	0	9.3 7.5	4,800 8,400	802	9,202	0	0	0	0
7	Pt 12 Pt 12	088-00	A. & B. Mueller	0.0	0	0	0	0.4	8,400 0	73	9,202	0	0	0	0
7	Pt 13	090-00	H. Bar	0.0	0	0	0	0.4	16	24	40	0	0	0	0
7	Pt 13	091-00	D. & G. Carlesso	0.0	0	0	0	10.0	0	602	602	0	0	0	0
7	Pt 13	092-00	B. & I. Bryant	0.0	0	Ő	0	4.3	4,500	362	4.862	0	õ	Ő	0
7	Pt 14	095-00	C. & M. Paul	0.0	0	0	0	12.9	0	783	783	0	0	0	0
7	Pt 15	095-01	M. & K. Boulard	0.0	0	0	0	1.0	0	108	108	0	0	0	0
7	Pt 15	096-00	D. Demarco	0.0	0	0	0	1.6	0	157	157	0	0	0	0
7	Pt 15	096-01	R. Lesniczek & C. Cameron	0.0	0	0	0	5.7	0	349	349	0	0	0	0
7	Pt 16	103-00	T. & L. Waters	0.8	0	238	238	0.0	0	0	0	0	0	0	0
7	Pt 16	104-00	R. Courtney	2.0	0	595	595	0.0	0	0	0	0	0	0	0
7	Pt 16	105-00	A. Willick	2.0	0	595	595	0.0	0	0	0	0	0	0	0
7	Pt 16	106-00	K. & S. Cosby	1.6	0	476	476	0.0	0	0	0	0	0	0	0
7	Pt 16	107-00	C. Walter & R. Digrigoli	1.8	0	536	536	0.0	0	0	0	0	0	0	0
7	Pt 15	107-01	P. Ker	6.0	0	1,459	1,459	0.8	0	48	48	0	0	0	0
8	Pt 11	131-01	T. Tran & T. Le	0.0 0.0	0	0	0	5.0 5.0	0 0	602 301	602 301	0 0	0 0	0	0
8	Pt 11 Pt 11	132-00 133-00	C. Marr S. Bell	0.0	0	0	0	0.9	0	168	301 168	0	0	0	0
0	Pt 12	135-00	Jukic Group Ltd.	0.0	0	0	0	0.9 5.3	0	638	638	0	0	0	0
8	Pt 13	136-00	O. Leon	0.0	0	0	0	2.0	2,400	58	2,458	0	0	0	0
8	Pt 13	136-01	Town of Fort Erie	0.0	0	Ő	0	1.0	800	181	981	0	0	Ő	0
8	Pt 13	137-00	G. & C. Nigh	0.0	0	0	0	3.2	2,400	130	2,530	0	0	0	0
8	Pt 14	139-00	E. Bangay	0.9	0	1,634	1,634	0.0	0	0	,0	0	0	0	0
8	Pt 14	140-00	R. Christie	0.5	0	934	934	0.0	0 0	0	Ő	0	0	Ő	Ő
8	Pt 14	141-00	M. Clarkson	0.3	0	584	584	0.0	0	0	0	0	0	0	0
8	Pt 14	142-00	A. Chambers & M. Clarkson	0.2	0	350	350	0.0	0	0	0	0	0	0	0
8	Pt 14	143-00	K. White	0.1	0	234	234	0.0	0	0	0	0	0	0	0
8	Pt 14	144-00	G. Krutasky	1.1	0	1,984	1,984	0.0	0	0	0	0	0	0	0
8	Pt 14	145-00	Jukic Group Ltd.	0.0	0	0	0	5.5	0	44	44	4.7	4,300	1,907	6,207
8	Pt 15	147-00	P. Band & F. Cohen	18.4	9,300	10,738	20,038	0.0	0	0	0	0	0	0	0
8	Pt 16	150-00	A. Kittel	12.4	6,900	9,116	16,016	0.0	0	0	0	0	0	0	0
8	Pt 16	150-01	P. & P. Graves	4.7	0	4,671	4,671	0.0	0	0	0	0	0	0	0
8	Pt 16	150-02	W. Beaudoin	4.5	0	3,913	3,913	0.0	0	0	0	0	0	0	0
0 0	Pt 16 Pt 16	150-03 151-00	D. & K. Plato G. Poulsen	4.5 4.5	0 3,500	4,147 3,447	4,147 6,947	0.0 0.0	0 0	0 0	0	0 0	0 0	0	0 0
0	Pt 16 Pt 16	151-00	G. Poulsen W. & D. Gray	4.5 0.4	3,500 0	3,447 179	6,947 179	0.0	0	0	0	0	0	0	0
0 7	Pt 16 Pt 10	031-994	C.N.R.	0.4	0	179	179	2.8	0	880	0 880	0	0	0	0
7	Pt 10	047-996	C.P.R.	0.0	0	0	0	2.0 3.6	0	1,152	000 1,152	-	0	0	0
l'	1110	0+1-990	0.1.1.	0.0	0	U	U	5.0	0	1,102	1,152	0	U	0	J

SCHEDULE A - SCHEDULE OF ASSESSMENTS GLENNY DRAIN 2017 Town of Fort Erie

		Socie	NNY BRAD	N BAYO RAIMA N	lo. 76-2	019 GLE	ENNY DRAI	N SOUTH			Q.E.W. BRA	NCH	r	
			Approx ha		-		Approx ha				Approx ha			ľ
Con Lot	Roll No.	Owner	Affected	Benefit	Outlet	Total	Affected	Benefit	Outlet	Total	Affected	Benefit	Outlet	Total
	(40055)-	(Willoughby Twp)												
BF Sea 15	050-00	R. & M. Lauck	4.0	0	595	595	0.0	0	0	0	0	0	0	0
BF Sea Pt 16	058-00	J. & R. Burger	4.9	0	147	147	0.0	0	0	0	0	0	0	0
BF Sea Pt 17	061-00	B., D., M. & S. Arthur & M. Dilapo	5.5	0	106	106	0.0	0	0	0	0	0	0	0
BF Sea Pt 17	068-00	G. Fansolato	8.8	0	166	166	0.0	0	0	0	0	0	0	0
BF Sea Pt 18	116-00	S. & M. Wright	0.1	32	8	40	0.0	0	0	0	0	0	0	0
BF Sea Pt 18	117-00	K. Sherk	0.2	29	11	40	0.0	0	0	0	0	0	0	0
BF Sea Pt 18	118-00	P. & E. Burger	0.1	32	8	40	0.0	0	0	0	0	0	0	0
9 Pt 18	118-05	P. Mammoliti	0.3	21	19	40	0.0	0	0	0	0	0	0	0
9 Pt 18	118-15	H. Rerrie & L. Moore	0.1	32	8	40	0.0	0	0	0	0	0	0	0
Adj Cross Pts 15, 16 & 21	262-00	Stevens Bancorp Inc	20.7	1,300	1,328	2,628	0.0	0	0	0	0	0	0	0
Adj Cross Pt 21	263-00	S. Sanderson & G. Melvin	4.0	3,500	771	4,271	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	264-00	R. Howard	0.8	1,300	201	1,501	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	265-00	L. & G. Coutts	0.2	29	11	40	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	266-00	L. & G. Coutts	0.1	32	8	40	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	267-00	W. Grimm	1.0	1,600	112	1,712	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	268-01	A. Beam	4.4	0	166	166	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	268-05	M. & K. Knuuttila	0.1	32	8	40	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	268-10	R. & L. Punch	0.2	29	11	40	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	268-20	L. & J. Kawucha	0.2	29	11	40	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	268-30	T. & J. Van Leemput	0.2	29	11	40	0.0	0	0	0	0	0	0	0
Adj Cross Pt 22	??	Unknown (Town of Fort Erie)	0.5	3	37	40	0.0	0	0	0	0	0	0	0
Total Assessments	on Lands:	· · · ·	123.1	27,729	49,573	77,302	256.1	26,716	44,236	70,952	4.7	4,300	1,907	6,207
Q.E.W.		M.T.O.	3.5	14,100	8,169	22,269	23.9	38,100	10,100	48,200	1.6	11,100	2,543	13,643
Switch Road		Town of Fort Erie	1.0	0	75	75	0.0	0	0	0	0	0	0	0
Townline Road		Town of Fort Erie	1.8	6,600	1,071	7,671	0.0	0	0	0	0	0	0	0
College Road		Town of Fort Erie	0.5	15,800	1,166	16,966	3.2	4,600	289	4,889	1.4	6,800	2,225	9,025
Ridgemount Road		Town of Fort Erie	1.1	0	2,567	2,567	5.3	6,000	1,278	7,278	0	0	0	0
Sumner Road (Unopened)		Town of Fort Erie	0.0	0	0	0	0.5	8,300	188	8,488	0	0	0	0
Eagle Street		Town of Fort Erie	0.0	0	0	0	3.0	4,100	722	4,822	0	0	0	0
Arcadia Street (Unopened)		Town of Fort Erie	0.0	0	0	0	0.6	0	226	226	0	0	0	0
Laur Road		Town of Fort Erie	0.0	0	0	0	0.8	0	335	335	0	0	0	0
Laur Road (Unopened)		Town of Fort Erie	0.0	0	0	0	0.8	0	168	168	0	0	0	0
Curtis Road		Town of Fort Erie	0.0	0	0	0	0.9	0	377	377	0	0	0	0
Bowen Road		Town of Fort Erie	0.0	0	0	0	1.3	0	545	545	0	0	0	0
Shagbark Lane		Town of Fort Erie	0.2	0	15	15	0.0	0	0	0	0	0	0	0
Total Assessments	on Roads:		8.1	36,500	13,063	49,563	40.3	61,100	14,228	75,328	3.0	17,900	4,768	22,668
TOTAL ASSESSMENTS ON	GLENNY DRA	AIN 2017:	131.2	64,229	62,636	126,865	296.4	87,816	58,464	146,280	7.7	22,200	6,675	28,875

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 only, the owners' names as shown by the last revised assessment roll, has also been included.

2. All lands shown above are in the Town of Fort Erie.

SCHEDULE A - SCHEDULE OF ASSESSMENTS GLENNY DRAIN 2017 Town of Fort Erie

			Schedu		≪104(N.)472. B/R	aanu h9			OLLEGE BF	ANCH		
C a a	Lat	D-UN	Owner	Approx ha Affected	Doroft	0.44	Total	Approx ha Affected	Der - Et	0	T-1-1	Gra To
Con	Lot	Roll No. (20028-)	Owner (Bertie Twp)	Allected	Benefit	Outlet	Total	Allected	Benefit	Outlet	Total	10
~	Dt 10	· · · · · · · · · · · · · · · · · · ·		0	0	0		0	0	0	0	1,6
6	Pt 10	019-00	Management Board Secretariat				0	-	0		0	
6	Pt 10	020-00	M.T.O.	0	0	0	0	0		0	0	5
6	Pts 9 & 10	023-00	G., J. & T Curtis	0	0	0	0	0	0	0	0	6
6	Pt 11	025-00	G. Lichtenberger	0	0	0	0	0	0	0	0	8,3
6	Pt 12	028-00	Appomattox Club of Buffalo	0	0	0	0	0	0	0	0	8
7	Pt 8	075-00	J. Laur	3.6	0	2,711	2,711	0	0	0	0	3,4
7	Pt 8	075-03	Walker Aggregates Inc.	5.0	0	3,313	3,313	0	0	0	0	4,2
7	Pt 8	075-04	Walker Aggregates Inc.	4.7	0	2,936	2,936	0	0	0	0	3,7
7	Pt 9	078-00	M. & S. Kompf	0.5	0	603	603	0	0	0	0	7
7	Pt 9, 10, 11	079-00	J., T. & G. Curtis	8.3	0	4,969	4,969	0	0	0	0	10,7
7	Pt 9	080-01	A. & H. Miller	3.9	0	2,936	2,936	0	0	0	0	3,7
7	Pt 9	081-00	C. Spada	0.3	0	226	226	0	0	0	0	2
7	Pt 10, 11	083-01	M. Dolbeau & M. Laroche	11.7	4,200	6,634	10,834	0	0	0	0	13,4
7	Pts 9 to 11	084-00	J., T. & G. Curtis	44.4	10,000	28,521	38,521	0	0	0	0	47,8
7	Pt 10	084-10	J. & T. Rehm	1.0	0	1,130	1,130	0	0 0	0	0	1,4
7	Pt 11	085-00	M.T.O.	0	0	0	1,100	0	0	0	0	2,3
7	Pt 12	085-00	J. Elliot	0	0	0	0	0	0	0	0	2,3
7	Pt 12 Pt 12	080-00	Jukic Group Ltd.	0	2,100	0	2,100	0	0	0	0	3,2 7,7
7			•		,		2,100	-	-		0	
1	Pt 12	088-00	S. Singh	0	0	0	0	0	0	0		9,2
/	Pt 12	089-00	A. & B. Mueller	0	0	0	0	0	0	0	0	
7	Pt 13	090-00	H. Bar	0	0	0	0	0	0	0	0	
7	Pt 13	091-00	D. & G. Carlesso	0	0	0	0	0	0	0	0	6
7	Pt 13	092-00	B. & I. Bryant	0	0	0	0	0	0	0	0	4,8
7	Pt 14	095-00	C. & M. Paul	0	0	0	0	0	0	0	0	7
7	Pt 15	095-01	M. & K. Boulard	0	0	0	0	0	0	0	0	-
7	Pt 15	096-00	D. Demarco	0	0	0	0	0	0	0	0	1
7	Pt 15	096-01	R. Lesniczek & C. Cameron	0	0	0	0	0	0	0	0	3
7	Pt 16	103-00	T. & L. Waters	0	0	0	0	0	0	0	0	2
7	Pt 16	104-00	R. Courtney	0	0	0	0	0	0	0	0	5
7	Pt 16	105-00	A. Willick	0	0 0	0 0	Ő	0 0	0 0	Ő	0	5
7	Pt 16	106-00	K. & S. Cosby	0	0	0	0	0	0	0	0	4
7	Pt 16	107-00	C. Walter & R. Digrigoli	0	0	0	0	0	0	0	0	5
7	Pt 15	107-01	P. Ker	0	0	0	0	0	0	0	0	1,5
8	Pt 11			0	0	0	0	0	0	0		
		131-01	T. Tran & T. Le	-	-		Ű	-	-	-	0	6
8	Pt 11	132-00	C. Marr	0	0	0	0	0	0	0	0	3
8	Pt 11	133-00	S. Bell	0	0	0	0	0	0	0	0	
8	Pt 12	135-00	Jukic Group Ltd.	0	0	0	0	0	0	0	0	6
8	Pt 13	136-00	O. Leon	0	0	0	0	1.2	1,100	1,035	2,135	4,5
8	Pt 13	136-01	Town of Fort Erie	0	0	0	0	0	0	0	0	9
8	Pt 13	137-00	G. & C. Nigh	0	0	0	0	0	0	0	0	2,5
8	Pt 14	139-00	E. Bangay	0	0	0	0	0	0	0	0	1,6
8	Pt 14	140-00	R. Christie	0	0	0	0	0	0	0	0	9
8	Pt 14	141-00	M. Clarkson	0	0	0	0	0	0	0	0	ŧ
8	Pt 14	142-00	A. Chambers & M. Clarkson	0	0	0	0	0	0	0	0	:
8	Pt 14	143-00	K. White	0	0	0	0	0	0	0	0	2
8	Pt 14	144-00	G. Krutasky	0	0	0	0	0	0	0	0	1,9
8	Pt 14	145-00	Jukic Group Ltd.	0	0	0	0	0	1,100	0	1,100	7,3
8	Pt 15	145-00	P. Band & F. Cohen	0	0	0	0	0	0	0	1,100	20,0
o 8	Pt 16		A. Kittel	0	0	0	0	0	0	0	0	20,0
		150-00					-					
8	Pt 16	150-01	P. & P. Graves	0	0	0	0	0	0	0	0	4,6
8	Pt 16	150-02	W. Beaudoin	0	0	0	0	0	0	0	0	3,9
8	Pt 16	150-03	D. & K. Plato	0	0	0	0	0	0	0	0	4,1
8	Pt 16	151-00	G. Poulsen	0	0	0	0	0	0	0	0	6,9
8	Pt 16	152-00	W. & D. Gray	0	0	0	0	0	0	0	0	
7	Pt 10	031-994	C.N.R.	1.6	3,200	1,807	5,007	0	0	0	0	5,8
7	Pt 10	047-996	C.P.R.	2.1	3,500	2,409	5,909	0	0	0	0	7,0

SCHEDULE A - SCHEDULE OF ASSESSMENTS GLENNY DRAIN 2017 Town of Fort Erie

			Schedul	e "A" to By-l	agyn, kr. Brk	aric 119	1	C	OLLEGE B	RANCH		
				Approx ha				Approx ha				Grand
Con	Lot	Roll No.	Owner	Affected	Benefit	Outlet	Total	Affected	Benefit	Outlet	Total	Total
		(40055)-	(Willoughby Twp)									
BF Sea	15	050-00	R. & M. Lauck	0	0	0	0	0	0	0	0	595
BF Sea	Pt 16	058-00	J. & R. Burger	0	0	0	0	0	0	0	0	147
BF Sea	Pt 17	061-00	B., D., M. & S. Arthur & M. Dilapo	0	0	0	0	0	0	0	0	106
BF Sea	Pt 17	068-00	G. Fansolato	0	0	0	0	0	0	0	0	166
BF Sea	Pt 18	116-00	S. & M. Wright	0	0	0	0	0	0	0		40
BF Sea	Pt 18	117-00	K. Sherk	0	0	0	0	0	0	0	0	40
BF Sea	Pt 18	118-00	P. & E. Burger	0	0	0	0	0	0	0	0	40
9	Pt 18	118-05	P. Mammoliti	0	0	0	0	0	0	0	0	40
9	Pt 18	118-15	H. Rerrie & L. Moore	0	0	0	0	0	0	0	0	40
Adj Cross	Pts 15, 16 & 21	262-00	Stevens Bancorp Inc	0	0	0	0	0	0	0	0	2,628
Adj Cross	Pt 21	263-00	S. Sanderson & G. Melvin	0	0	0	0	0	0	0	0	4,271
Adj Cross	Pt 22	264-00	R. Howard	0	0	0	0	0	0	0	0	1,501
Adj Cross	Pt 22	265-00	L. & G. Coutts	0	0	0	0	0	0	0	0	40
Adj Cross	Pt 22	266-00	L. & G. Coutts	0	0	0	0	0	0	0	0	40
Adj Cross	Pt 22	267-00	W. Grimm	0	0	0	0	0	0	0	0	1,712
Adj Cross	Pt 22	268-01	A. Beam	0	0	0	0	0	0	0	0	166
Adj Cross	Pt 22	268-05	M. & K. Knuuttila	0	0	0	0	0	0	0	0	40
Adj Cross	Pt 22	268-10	R. & L. Punch	0	0	0	0	0	0	0	0	40
Adj Cross	Pt 22	268-20	L. & J. Kawucha	0	0	0	0	0	0	0	0	40
Adj Cross	Pt 22	268-30	T. & J. Van Leemput	0	0	0	0	0	0	0	0	40
Adj Cross	Pt 22	??	Unknown (Town of Fort Erie)	0	0	0	0	0	0	0	0	40
	Total Assessments	on Lands:	· · · · ·	87.1	23,000	58,195	81,195	1.2	2,200	1,035	3,235	238,891
Q.E.W.			M.T.O.	0	0	0	0	0	0	0	0	84,112
Switch Roa			Town of Fort Erie	0	0	0	0	0	0	0	0	75
Townline F	Road		Town of Fort Erie	0	0	0	0	0	0	0	0	7,671
College Ro			Town of Fort Erie	0	0	0	0	0.9	6,300	3,105	9,405	40,285
Ridgemou	nt Road		Town of Fort Erie	0	0	0	0	0	0	0	0	9,845
	oad (Unopened)		Town of Fort Erie	0	0	0	0	0	0	0	0	8,488
Eagle Stre	et		Town of Fort Erie	0	0	0	0	0	0	0	0	4,822
Arcadia St	reet (Unopened)		Town of Fort Erie	0	0	0	0	0	0	0	0	226
Laur Road			Town of Fort Erie	0	0	0	0	0	0	0	0	335
Laur Road	(Unopened)		Town of Fort Erie	0	0	0	0	0	0	0	0	168
Curtis Roa	d		Town of Fort Erie	0.7	0	1,055	1,055	0	0	0	0	1,432
Bowen Ro	ad		Town of Fort Erie	1.3	0	1,960	1,960	0	0	0	0	2,505
Shagbark	Lane		Town of Fort Erie	0	0	0	0	0	0	0	0	15
	Total Assessments			2.0	0	3,015	3,015	0.9	6,300	3,105	9,405	159,979
TOTAL AS	SESSMENTS ON	IN 2017:	89.1	23,000	61,210	84,210	2.1	8,500	4,140	12,640	398,870	

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 only, the owners' names as shown by the last revised assessment roll, has also been included.

2. All lands shown above are in the Town of Fort Erie.

SCHEDULE C - SCHEDULE FOR ACTUAL COST BYLAW GLENNY DRAIN 2017, Town of Fort Erie

Schedule "A" to By-law No. 76-201	9
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					Total	1/2	Allow	Total
	Con	Lot	Roll No.	Owner	Estimated Gross	1/3 Grant	Allow- ances	Estimated Net
	COII	LUI	(20028-)	(Bertie Twp)	GIUSS	Grani	ances	INEL
	6	Pt 10	019-00	Management Board Secretariat	1,587	0	0	1,58
	6	Pt 10	020-00	M.T.O.	541	0	Ő	54
=	6	Pts 9 & 10	023-00	G., J. & T Curtis	583	194	0	38
=	6	Pt 11	025-00	G. Lichtenberger	8,007	2,669	Ő	5,33
	6	Pt 12	028-00	Appomattox Club of Buffalo	830	0	0	83
=	7	Pt 8	075-00	J. Laur	3,320	1,107	0	2,21
=	7	Pt 8	075-03	Walker Aggregates Inc.	4,058	1,353	0	2,70
=	7	Pt 8	075-04	Walker Aggregates Inc.	3,597	1,199	0	2,39
	7	Pt 9	078-00	M. & S. Kompf	739	0	0	73
-	7	Pt 9, 10, 11	079-00	J., T. & G. Curtis	10,302	3.434	0	6,86
=	7	Pt 9	080-01	A. & H. Miller	3,597	1,199	0	2,39
	7	Pt 9	081-00	C. Spada	277	0	0	27
=	7	Pt 10, 11	083-01	M. Dolbeau & M. Laroche	12,868	4,289	800	7,77
=	7	Pts 9 to 11	084-00	J., T. & G. Curtis	45,808	15,269	4,100	26,43
	7	Pt 10	084-10	J. & T. Rehm	1,385	0	0	1,38
	7	Pt 11	085-00	M.T.O.	2,277	0	1,000	1,27
	7	Pt 12	086-00	J. Elliot	3,280	0	400	2,88
	7	Pt 12	087-00	Jukic Group Ltd.	7,379	0	1,700	5,67
	7	Pt 12	088-00	S. Singh	8,817	0	2,000	6,81
	7	Pt 12	089-00	A. & B. Mueller	70	0	0	7
	7	Pt 13	090-00	H. Bar	38	0 0	0 0	3
	7	Pt 13	091-00	D. & G. Carlesso	577	0	0	57
	7	Pt 13	092-00	B. & I. Bryant	4,658	0	1,100	3,55
	7	Pt 14	095-00	C. & M. Paul	750	0	0	75
	7	Pt 15	095-01	M. & K. Boulard	103	0	0	10
	7	Pt 15	096-00	D. Demarco	150	0	0	15
	7	Pt 15	096-01	R. Lesniczek & C. Cameron	334	0	0	33
	7	Pt 16	103-00	T. & L. Waters	228	0	0	22
	7	Pt 16	104-00	R. Courtney	570	0	0	57
	7	Pt 16	105-00	A. Willick	570	0	0	57
	7	Pt 16	106-00	K. & S. Cosby	456	0	0	45
	7	Pt 16	107-00	C. Walter & R. Digrigoli	514	0	0	51
	7	Pt 15	107-01	P. Ker	1,444	0	0	1,44
	8	Pt 11	131-01	T. Tran & T. Le	577	0	0	57
	8	Pt 11	132-00	C. Marr	288	0	0	28
	8	Pt 11	133-00	S. Bell	161	0	0	16
	8	Pt 12	135-00	Jukic Group Ltd.	611	0	0	61
	8	Pt 13	136-00	O. Leon	4,401	0	1,800	2,60
	8	Pt 13	136-01	Town of Fort Erie	940	0	200	74
	8	Pt 13	137-00	G. & C. Nigh	2,424	0	700	1,72
	8	Pt 14	139-00	E. Bangay	1,566	0	0	1,56
	8	Pt 14	140-00	R. Christie	895	0	0	89
	8	Pt 14	141-00	M. Clarkson	560	0	0	56
	8	Pt 14	142-00	A. Chambers & M. Clarkson	335	0	0	33
	8	Pt 14	143-00	K. White	224	0	0	22
	8	Pt 14	144-00	G. Krutasky	1,901	0	0	1,90
	8	Pt 14	145-00	Jukic Group Ltd.	7,043	0	1,500	5,54
	8	Pt 15	147-00	P. Band & F. Cohen	19,199	0	2,300	16,89
	8	Pt 16	150-00	A. Kittel	15,346	0	1,400	13,94
=	8	Pt 16	150-01	P. & P. Graves	4,475	1,492	0	2,98
-	8	Pt 16	150-02	W. Beaudoin	3,749	1,250	0	2,49
	8	Pt 16	150-03	D. & K. Plato	3,973	0	0	3,97
	8	Pt 16	151-00	G. Poulsen	6,656	0	900	5,75
	8	Pt 16	152-00	W. & D. Gray	172	0	0	17
	7	Pt 10	031-994	C.N.R.	5,641	0	0	5,64
	7	Pt 10	047-996	C.P.R.	6,765	0	100	6,66
			(40055)-	(Willoughby Twp)				
	BF Sea	15	050-00	R. & M. Lauck	570	0	0	57
	BF Sea	Pt 16	058-00	J. & R. Burger	141	0	0	14
	BF Sea	Pt 17	061-00	B., D., M. & S. Arthur & M. Dilapo	102	0	0	10
	BF Sea	Pt 17	068-00	G. Fansolato	159	0	0	15
	BF Sea	Pt 18	116-00	S. & M. Wright	38	0 0	0 0	
	BF Sea	Pt 18	117-00	K. Sherk	38	0	0	
	BF Sea	Pt 18	118-00	P. & E. Burger	38	0	0	3
	9	Pt 18	118-05	P. Mammoliti	38	0	0 0	
	9	Pt 18	118-15	H. Rerrie & L. Moore	38	0 0	0 0	
		Pts 15, 16 & 21	262-00	Stevens Bancorp Inc	2,518	0	300	2,21

SCHEDULE C - SCHEDULE FOR ACTUAL COST BYLAW GLENNY DRAIN 2017, Town of Fort Erie

Schedule "A" to By-law No. 76-2019

					Total			Total
					Estimated	1/3	Allow-	Estimated
	Con	Lot	Roll No.	Owner	Gross	Grant	ances	Net
	Adj Cross	Pt 21	263-00	S. Sanderson & G. Melvin	4,092	0	700	3,392
	Adj Cross	Pt 22	264-00	R. Howard	1,438	0	300	1,138
	Adj Cross	Pt 22	265-00	L. & G. Coutts	38	0	0	38
	Adj Cross	Pt 22	266-00	L. & G. Coutts	38	0	0	38
	Adj Cross	Pt 22	267-00	W. Grimm	1,640	0	400	1,240
F	Adj Cross	Pt 22	268-01	A. Beam	159	53	0	106
	Adj Cross	Pt 22	268-05	M. & K. Knuuttila	38	0	0	38
	Adj Cross	Pt 22	268-10	R. & L. Punch	38	0	0	38
	Adj Cross	Pt 22	268-20	L. & J. Kawucha	38	0	0	38
	Adj Cross	Pt 22	268-30	T. & J. Van Leemput	38	0	0	38
	Adj Cross	Pt 22	??	Unknown (Town of Fort Erie)	38	0	0	38
					228,891	33,508	21,700	173,683
	0 - 11							
	Q.E.W.			M.T.O.	89,112	0	0	89,112
	Switch Road	-		Town of Fort Erie	75	0	0	75
	Townline Ro			Town of Fort Erie	7,671	0	0	7,671
	College Roa			Town of Fort Erie	45,285	0	0	45,285
	Ridgemoun			Town of Fort Erie	9,845	0	0	9,845
		ad (Unopened)		Town of Fort Erie	8,488	0	0	8,488
	Eagle Stree			Town of Fort Erie	4,822	0	0	4,822
		eet (Unopened)		Town of Fort Erie	226	0	0	226
	Laur Road			Town of Fort Erie	335	0	0	335
	Laur Road (Unopened)		Town of Fort Erie	168	0	0	168
	Curtis Road			Town of Fort Erie	1,432	0	0	1,432
	Bowen Roa	d		Town of Fort Erie	2,505	0	0	2,505
1	Shagbark L			Town of Fort Erie	15	0	0	15
		Assessments on F			169,979	0	0	169,979
	TOTAL ASS	SESSMENTS ON (GLENNY DR	AIN 2017:	398,870	33,508	21,700	343,662

Notes:

1 The above lands noted with an "F" are currently classified as agricultural according to OMAFRA and are therefore entitled to a 1/3 grant. Eligibility for the 1/3 grant will be confirmed at the time the final cost is levied.

2 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 only, the owners' names as shown by the last revised assessment roll, has also been included.

3. The value of the assessments identified in this schedule are estimates only, and should not be considered final.

4. All lands shown above are in the Town of Fort Erie.

SCHEDULE B - SCHEDULE OF ASSESSMENTS FOR FUTURE MAINTENANCE GLENNY DRAIN 2017 Town of Fort Erie

Page 36 File No. 05-182

Schedule "A" to By-law No. 76-2019

							RAIN NORTH		/ INO. 76-2	.010	GLENNY DRAIN SOUTH North Interval 1 (Kline Interval 2 Interval 3 Interval 4 Glenny Drain									
			Interva	11	Interva	al 2	Interv		Glenny Dra	in North	Interval 1	(Kline	Interva	al 2	Interv	al 3	Interv	al 4	Glenny Dra	in South
			000 to 4		495 to		877 to 1		Tota		000 to 332	Outlet)	332 to 1		1+129 to		1+582 to	1+960	Tota	
			Assess	%	Assess	%	Assess	%	Assess	%	Assess	%	Assess	%	Assess	%	Assess	%	Assess	%
Con Lot	Roll No.	Owner	(\$)		(\$)		(\$)		(\$)		(\$)		(\$)		(\$)		(\$)		(\$)	
BF Sea Pt 17	068-00	G. Fansolato	162	2.75	0	0.00	0	0.00		0.70	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
BF Sea Pt 18	116-00	S. & M. Wright	307	5.20	0	0.00	0	0.00		1.33		0.00	0	0.00	0	0.00	0	0.00	0	0.00
BF Sea Pt 18	117-00	K. Sherk	11	0.19	0	0.00	0	0.00	11	0.05	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
BF Sea Pt 18	118-00	P. & E. Burger	7	0.12	0	0.00	0	0.00	7	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
9 Pt 18	118-05	P. Mammoliti	18	0.31	0	0.00	0	0.00		0.08		0.00	0	0.00	0	0.00	0	0.00	0	0.00
9 Pt 18	118-15	H. Rerrie & L. Moore	7	0.12	0	0.00	0	0.00		0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pts 15, 16 & 21	262-00	Stevens Bancorp Inc	384	6.51	615	13.37	0	0.00		4.34	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 21	263-00	S. Sanderson & G. Melvin	143	2.42	576	12.52	0	0.00		3.13	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	264-00	R. Howard	44	0.75	219	4.76	0	0.00	263	1.14	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	265-00	L. & G. Coutts	11	0.19	0	0.00	0	0.00		0.05	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	266-00	L. & G. Coutts	7	0.12	0	0.00	0	0.00		0.03		0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	267-00	W. Grimm	83	1.41	210	4.57	0	0.00		1.27		0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	268-01	A. Beam	812	13.76	0	0.00	0	0.00	812	3.53	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	268-05	M. & K. Knuuttila	7	0.12	0	0.00	0	0.00	7	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	268-10	R. & L. Punch	11	0.19	0	0.00	0	0.00	11	0.05		0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	268-20	L. & J. Kawucha	11	0.19	0	0.00	0	0.00	11	0.05	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	268-30	T. & J. Van Leemput	11	0.19	0	0.00	0	0.00	11	0.05	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Adj Cross Pt 22	??	Unknown (Town of Fort Erie)	11	0.19	3	0.07	0	0.00	14	0.06	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
			4,501	76.29	3,361	73.07	7,349	58.79	15,211	66.13	3,114	79.85	5,680	59.17	3,740	69.26	2,359	52.42	14,893	63.65
Q.E.W.		М.Т.О.	1,059	17.95	222	4.83	3,926	31.41	5,207	22.64	471	12.08	1,038	10.81	1,560	28.89	1,901	42.24	4,970	21.24
Switch Road		Town of Fort Erie	74	1.25	0	0.00	3,920	0.00		0.32	4/1	0.00	1,038	0.00	1,500	0.00	1,901	42.24	4,970	0.00
Townline Road		Town of Fort Erie	133	2.25	915	19.89	0	0.00		4.56		0.00	0	0.00	0	0.00	0	0.00	0	0.00
College Road		Town of Fort Erie	37	0.63	32	0.70	933	7.46		4.36		1.69	833	8.68	0	0.00	0	0.00	899	3.84
Ridgemount Road		Town of Fort Erie	81	1.37	70	1.52		2.34		1.93		2.79	994	10.35	0	0.00	0	0.00	1.103	4.71
Sumner Road (Unopened)		Town of Fort Erie	0	0.00	,0	0.00	232	0.00		0.00	5	0.13	9	0.09	6	0.00	218	4.84	238	1.02
Eagle Street		Town of Fort Erie	Ő	0.00	Ő	0.00	0	0.00	0	0.00	61	1.56	910	9.48	0	0.00	0	0.00	971	4.15
Arcadia Street (Unopened)		Town of Fort Erie	ő	0.00	ő	0.00	0	0.00	Ŭ	0.00		0.15	11	0.11	8	0.15	22	0.49	47	0.20
Laur Road		Town of Fort Erie	0	0.00	0	0.00	0	0.00		0.00	16	0.13	29	0.30	20	0.13	0	0.00	65	0.28
Laur Road (Unopened)		Town of Fort Erie	0	0.00	0	0.00	0	0.00	0	0.00	8	0.41	15	0.16	10	0.19	0	0.00	33	0.20
Curtis Road		Town of Fort Erie	ň	0.00	ň	0.00	n n	0.00	0	0.00	18	0.46	33	0.34	23	0.43	n n	0.00	74	0.32
Bowen Road		Town of Fort Erie	0	0.00	0	0.00	0	0.00		0.00	26	0.40	48	0.50	33	0.43	0	0.00	107	0.32
Shagbark Lane		Town of Fort Erie	15	0.00	ň	0.00	n n	0.00	15	0.07	20	0.00	10	0.00	0	0.00	n n	0.00	0	0.00
Total Assessment	s on Roads		1,399	23.71	1,239	26.93	5,151	41.21	7,789	33.87	786	20.15	3,920	40.83	1,660	30.74	2,141	47.58	8,507	36.35
TOTAL ASSESSMENTS ON C			5,900	100.00	4.600	100.00	12,500	100.00	23,000	100.00	3.900	100.00	9,600	100.00	5,400	100.00	4.500	100.00	23,400	100.00
			0,000	100.00	4,000	100.00	12,000	100.00	20,000	100.00	0,000	100.00	0,000	100.00	0,400	100.00	4,000	100.00	20,400	100.00

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 only, the owners' names as shown by the last revised assessment roll, has also been included.

2. All lands shown above are in the Town of Fort Erie.

- The dollars shown are not amounts to pay. They are to be used only to create the percentages that any parcel (property) and road will have of a future maintenance cost.
- Agricultural designation not included as grant eligibility has to be confirmed at the time of maintenance cost levy.

SCHEDULE B - SCHEDULE OF ASSESSMENTS FOR FUTURE MAINTENANCE GLENNY DRAIN 2017 Town of Fort Erie

Page 37 File No. 05-182

				ule "A" to Q.E.W. BP	RANCH			C.N.R. BF				COLLEGE E	JRAN
						Interv		Interva		C.N.R. Brar	nch Total		
				000 to		000 to	694	694 to				000 to	114
				Assess	%	Assess	%	Assess	%	Assess	%	Assess	%
Con	Lot	Roll No.	Owner	(\$)		(\$)		(\$)		(\$)		(\$)	
		(20028-)	(Bertie Twp)										
6	Pt 10	019-00	Management Board Secretariat	0	0.00	0	0.00	0	0.00	0	0.00	0	
6	Pt 10	020-00	M.T.O.	0	0.00	0	0.00	0	0.00	0	0.00	0	
6	Pts 9 & 10	023-00	G., J. & T Curtis	0	0.00	0	0.00	0	0.00	0	0.00	0	
6	Pt 11	025-00	G. Lichtenberger	0	0.00	0	0.00	0	0.00	0	0.00	0	
6	Pt 12	028-00	Appomattox Club of Buffalo	0	0.00	0	0.00	0	0.00	0	0.00	0	
7	Pt 8	075-00	J. Laur	Ő	0.00	183	2.20	54	2.57	237	2.28	0	
7	Pt 8	075-03	Walker Aggregates Inc.	ů 0	0.00	224	2.70	66	3.14	290	2.79	0	
7	Pt 8	075-04	Walker Aggregates Inc.	0	0.00	199	2.40	59	2.81	258	2.48	0	
7	Pt 9	078-00	Marker Aggregates inc. M. & S. Kompf	0	0.00	41	0.49	12	0.57	53	0.51	0	
7	Pt 9, 10, 11	079-00	J., T. & G. Curtis	0	0.00	336	4.05	99	4.71	435	4.18	0	
7	Pt 9, 10, 11 Pt 9	079-00	A. & H. Miller	0	0.00	199	2.40	99 59	2.81	435 258	2.48	0	
7					0.00				2.81				(
	Pt 9	081-00	C. Spada	0		15	0.18	5		20	0.19	0	
7	Pt 10, 11	083-01	M. Dolbeau & M. Laroche	0	0.00	1,296	15.61	0	0.00	1,296	12.46	0	(
7	Pts 9 to 11	084-00	J., T. & G. Curtis	0	0.00	4,142	49.90	979	46.62	5,121	49.24	0	(
7	Pt 10	084-10	J. & T. Rehm	0	0.00	76	0.92	23	1.10	99	0.95	0	(
7	Pt 11	085-00	M.T.O.	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 12	086-00	J. Elliot	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 12	087-00	Jukic Group Ltd.	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 12	088-00	S. Singh	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 12	089-00	A. & B. Mueller	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 13	090-00	H. Bar	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 13	091-00	D. & G. Carlesso	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 13	092-00	B. & I. Bryant	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 14	095-00	C. & M. Paul	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 15	095-01	M. & K. Boulard	ů 0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 15	096-00	D. Demarco	0	0.00	0	0.00	0	0.00	0	0.00	0	0
7	Pt 15	096-01	R. Lesniczek & C. Cameron	0	0.00	0	0.00	0	0.00	0	0.00	0	
				0		0		0		0	0.00	0	(
7	Pt 16	103-00	T. & L. Waters		0.00		0.00		0.00				
7	Pt 16	104-00	R. Courtney	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 16	105-00	A. Willick	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 16	106-00	K. & S. Cosby	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 16	107-00	C. Walter & R. Digrigoli	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 15	107-01	P. Ker	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 11	131-01	T. Tran & T. Le	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 11	132-00	C. Marr	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 11	133-00	S. Bell	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 12	135-00	Jukic Group Ltd.	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 13	136-00	O. Leon	0	0.00	0	0.00	0	0.00	0	0.00	325	23
8	Pt 13	136-01	Town of Fort Erie	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 13	137-00	G. & C. Nigh	ő	0.00	0	0.00	0	0.00	0	0.00	ů 0	0
8	Pt 14	139-00	E. Bangay	0	0.00	0	0.00	0	0.00	0	0.00	0	0
8	Pt 14	140-00	R. Christie	0	0.00	0	0.00	0	0.00	0	0.00	0	i
8	Pt 14 Pt 14	140-00	R. Christie M. Clarkson	0	0.00	0	0.00	0	0.00	0	0.00	0	(
			A. Chambers & M. Clarkson										(
8	Pt 14	142-00		0	0.00	0	0.00	0	0.00	0	0.00	0	
8	Pt 14	143-00	K. White	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 14	144-00	G. Krutasky	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 14	145-00	Jukic Group Ltd.	1,143	27.88	0	0.00	0	0.00	0	0.00	0	(
8	Pt 15	147-00	P. Band & F. Cohen	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 16	150-00	A. Kittel	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 16	150-01	P. & P. Graves	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 16	150-02	W. Beaudoin	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 16	150-03	D. & K. Plato	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 16	151-00	G. Poulsen	0	0.00	0	0.00	0	0.00	0	0.00	0	(
8	Pt 16	152-00	W. & D. Gray	0	0.00	0	0.00	0	0.00	0	0.00	0	(
7	Pt 10	031-994	C.N.R.	Ő	0.00	322	3.88	336	16.00	658	6.33	0	i
7	Pt 10	047-996	C.P.R.	ő	0.00	1,063	12.81	348	16.57	1,411	13.57	ů 0	i
'		(40055)-	(Willoughby Twp)		0.00	.,000	.2.01	040	. 0.07	.,	.0.07	Ŭ	
BF Sea	15	050-00	R. & M. Lauck	0	0.00	0	0.00	0	0.00	0	0.00	0	0
BF Sea	Pt 16	058-00	J. & R. Burger	0	0.00	0	0.00	0	0.00	0	0.00	0	
													(
BF Sea	Pt 17	061-00	B., D., M. & S. Arthur & M. Dilapo	0	0.00	0	0.00	0	0.00	0	0.00	0	

SCHEDULE B - SCHEDULE OF ASSESSMENTS FOR FUTURE MAINTENANCE GLENNY DRAIN 2017 Town of Fort Erie

Page 38 File No. 05-182

Schedule "A" to By-law No. 76-2019

					IC BY-IAW NO. 76-2019 W. BRÁNCH C.N.R. BRANCH Interval 1 Interval 2 [C.N.R. Branch Total						COLLEGE		
				Q.E.W. BI		Inton	11				och Total	GOLLEGE	BRANCH
				000 to	343	000 to		694 to		C.N.R. Drai	icii i Otal	000 to	11/
				Assess	343 %	Assess	094 %	Assess	%	Assess	%	Assess	%
Con L	Lot	Roll No.	Owner	(\$)	/0	(\$)	/0	(\$)	/0	(\$)	/0	(\$)	/0
	Pt 17	068-00	G. Fansolato	(\\phi) 0	0.00	(Ψ)	0.00		0.00		0.00	(\$)	0.00
	Pt 18	116-00	S. & M. Wright	0	0.00	0	0.00		0.00	-	0.00		0.00
	Pt 18	117-00	K. Sherk	0	0.00	0	0.00		0.00		0.00		0.00
	Pt 18	118-00	P. & E. Burger	0	0.00	0	0.00	0	0.00	-	0.00	0	0.00
	Pt 18	118-05	P. Mammoliti	0	0.00	0	0.00		0.00		0.00		0.00
	Pt 18	118-05	H. Rerrie & L. Moore	0	0.00	0	0.00		0.00		0.00		0.00
	Pts 15, 16 & 21	262-00	Stevens Bancorp Inc	0	0.00	0	0.00		0.00		0.00		0.00
Adj Cross F Adj Cross F		262-00	S. Sanderson & G. Melvin	0	0.00	0	0.00	-	0.00		0.00	0	0.00
Adj Cross F		263-00	R. Howard	0	0.00	0	0.00	0	0.00		0.00	0	0.00
				0		0				-		-	
Adj Cross F		265-00	L. & G. Coutts	-	0.00	-	0.00	-	0.00		0.00 0.00	0	0.00
Adj Cross F		266-00	L. & G. Coutts	0	0.00	0	0.00		0.00				
Adj Cross F		267-00	W. Grimm	0	0.00	0	0.00		0.00		0.00		0.00
Adj Cross F		268-01	A. Beam	0	0.00	0	0.00		0.00		0.00		0.00
Adj Cross F		268-05	M. & K. Knuuttila	0	0.00	0	0.00	0	0.00	-	0.00	0	0.00
Adj Cross F		268-10	R. & L. Punch	0	0.00	0	0.00		0.00		0.00	0	0.00
Adj Cross F		268-20	L. & J. Kawucha	0	0.00	0	0.00		0.00		0.00	-	0.00
Adj Cross F		268-30	T. & J. Van Leemput	0	0.00	0	0.00		0.00		0.00	0	0.00
Adj Cross F	Pt 22	??	Unknown (Town of Fort Erie)	0	0.00	0	0.00		0.00		0.00	0	0.00
				1,143	27.88	8,096	97.54	2,040	97.14	10,136	97.46	325	23.21
Q.E.W.			М.Т.О.	1,724	42.05	0	0.00	0	0.00	0	0.00	0	0.00
Switch Road			Town of Fort Erie	0	0.00	0	0.00	0	0.00		0.00	0	0.00
Townline Roa	he		Town of Fort Erie	0	0.00	0	0.00		0.00	-	0.00	0	0.00
College Road			Town of Fort Erie	1,233	30.07	ő	0.00		0.00		0.00		76.79
Ridgemount F			Town of Fort Erie	1,200	0.00	0	0.00		0.00	-	0.00		0.00
Sumner Road			Town of Fort Erie	0	0.00	0	0.00	0	0.00		0.00	0	0.00
Eagle Street	· (- · · · ·)		Town of Fort Erie	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Arcadia Stree	et (Unopened)		Town of Fort Erie	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Laur Road			Town of Fort Erie	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Laur Road (U	(nopened)		Town of Fort Erie	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Curtis Road	. ,		Town of Fort Erie	0	0.00	71	0.86	21	1.00	92	0.88	0	0.00
Bowen Road			Town of Fort Erie	0	0.00	133	1.60		1.86		1.65	0	0.00
Shagbark Lan	ne		Town of Fort Erie	0	0.00	0	0.00		0.00		0.00	0	0.00
	Total Assessment	ts on Roads		2,957	72.12	204	2.46	60	2.86		2.54	1,075	76.79
TOTAL ASSE	ESSMENTS ON O	GLENNY DI	RAIN 2017:	4,100	100.00	8,300	100.00	2,100	100.00	10,400	100.00	1,400	100.00

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 only, the owners' names as shown by the last revised assessment roll, has also been included.

2. All lands shown above are in the Town of Fort Erie.

 The dollars shown are not amounts to pay. They are to be used only to create the percentages that any parcel (property) and road will have of a future maintenance cost.

 Agricultural designation not included as grant eligibility has to be confirmed at the time of maintenance cost levy.

SCHEDULE C - SCHEDULE FOR ACTUAL COST BYLAW GLENNY DRAIN 2017, Town of Fort Erie

Schedule	"A" to	By-law	No.	76-2019
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					Total			Total
	-			-	Estimated	1/3	Allow-	Estimated
	Con	Lot	Roll No.	Owner	Gross	Grant	ances	Net
	0	DI 40	<u>(20028-)</u>	(Bertie Twp)	4 507	•	•	4 503
	6	Pt 10	019-00	Management Board Secretariat	1,587	0	0	1,587
_	6	Pt 10	020-00	M.T.O.	541	0	0	541
F F	6	Pts 9 & 10	023-00	G., J. & T Curtis	583	194	0	389
F	6	Pt 11	025-00	G. Lichtenberger	8,007	2,669	0	5,338
_	6	Pt 12	028-00	Appomattox Club of Buffalo	830	0	0	830
F	7	Pt 8	075-00	J. Laur	3,320	1,107	0	2,213
F F	7	Pt 8	075-03	Walker Aggregates Inc.	4,058	1,353	0	2,705
F	7	Pt 8	075-04	Walker Aggregates Inc.	3,597	1,199	0	2,398
F	7	Pt 9	078-00	M. & S. Kompf	739	0 3.434	0	739
F F	7	Pt 9, 10, 11	079-00	J., T. & G. Curtis	10,302	-, -	0	6,868
Г	7 7	Pt 9 Pt 9	080-01	A. & H. Miller	3,597 277	1,199 0	0 0	2,398
F	7	Pt 10, 11	081-00 083-01	C. Spada M. Dolbeau & M. Laroche	12,868	4,289	800	277 7,779
F	7	Pts 9 to 11	083-01	J., T. & G. Curtis	45,808	4,269	4,100	26,439
F	7	Pt 10	084-00	J. & T. Rehm	45,606	15,269	4,100	20,439
	7	Pt 11	085-00	M.T.O.	2,277	0	1,000	1,365
	7	Pt 12	085-00	J. Elliot	3,280	0	400	2,880
	7	Pt 12	080-00	Jukic Group Ltd.	7,379	0	1,700	2,880
	7	Pt 12	087-00	S. Singh	8,817	0	2,000	6,817
	7	Pt 12	089-00	A. & B. Mueller	70	0	2,000	70
	7	Pt 12 Pt 13	089-00	H. Bar	38	0	0	38
	7	Pt 13	090-00	D. & G. Carlesso	577	0	0	577
	7	Pt 13	091-00	B. & I. Bryant	4,658	0	1,100	3,558
	7	Pt 14	092-00	C. & M. Paul	4,050	0	1,100	750
	7	Pt 15	095-00	M. & K. Boulard	103	0	0	103
	7	Pt 15	096-00	D. Demarco	150	0	0	150
	7	Pt 15	096-01	R. Lesniczek & C. Cameron	334	0	0	334
	7	Pt 16	103-00	T. & L. Waters	228	0	0 0	228
	7	Pt 16	104-00	R. Courtney	570	0	0	570
	7	Pt 16	105-00	A. Willick	570	0	0	570
	7	Pt 16	106-00	K. & S. Cosby	456	0	0 0	456
	7	Pt 16	107-00	C. Walter & R. Digrigoli	514	0	Ő	514
	7	Pt 15	107-01	P. Ker	1,444	0	0	1,444
	8	Pt 11	131-01	T. Tran & T. Le	577	0	0 0	577
	8	Pt 11	132-00	C. Marr	288	0	0	288
	8	Pt 11	133-00	S. Bell	161	0	0	161
	8	Pt 12	135-00	Jukic Group Ltd.	611	0	0	611
	8	Pt 13	136-00	O. Leon	4,401	0	1,800	2,601
	8	Pt 13	136-01	Town of Fort Erie	940	0	200	740
	8	Pt 13	137-00	G. & C. Nigh	2,424	0	700	1,724
	8	Pt 14	139-00	E. Bangay	1,566	0	0	1,566
	8	Pt 14	140-00	R. Christie	895	0	0	895
	8	Pt 14	141-00	M. Clarkson	560	0	0	560
	8	Pt 14	142-00	A. Chambers & M. Clarkson	335	0	0	335
	8	Pt 14	143-00	K. White	224	0	0	224
	8	Pt 14	144-00	G. Krutasky	1,901	0	0	1,901
	8	Pt 14	145-00	Jukic Group Ltd.	7,043	0	1,500	5,543
	8	Pt 15	147-00	P. Band & F. Cohen	19,199	0	2,300	16,899
	8	Pt 16	150-00	A. Kittel	15,346	0	1,400	13,946
F	8	Pt 16	150-01	P. & P. Graves	4,475	1,492	0	2,983
F	8	Pt 16	150-02	W. Beaudoin	3,749	1,250	0	2,499
	8	Pt 16	150-03	D. & K. Plato	3,973	0	0	3,973
	8	Pt 16	151-00	G. Poulsen	6,656	0	900	5,756
	8	Pt 16	152-00	W. & D. Gray	172	0	0	172
	7	Pt 10	031-994	C.N.R.	5,641	0	0	5,641
	7	Pt 10	047-996	C.P.R.	6,765	0	100	6,665
			<u>(40055)-</u>	(Willoughby Twp)				
	BF Sea	15	050-00	R. & M. Lauck	570	0	0	570
	BF Sea	Pt 16	058-00	J. & R. Burger	141	0	0	141
	BF Sea	Pt 17	061-00	B., D., M. & S. Arthur & M. Dilapo	102	0	0	102
	BF Sea	Pt 17	068-00	G. Fansolato	159	0	0	159
	BF Sea	Pt 18	116-00	S. & M. Wright	38	0	0	38
	BF Sea	Pt 18	117-00	K. Sherk	38	0	0	38
	BF Sea	Pt 18	118-00	P. & E. Burger	38	0	0	38
	9	Pt 18	118-05	P. Mammoliti	38	0	0	38
	9	Pt 18	118-15	H. Rerrie & L. Moore	38	0	0	38
	Adj Cross	Pts 15, 16 & 21	262-00	Stevens Bancorp Inc	2,518	0	300	2,218

SCHEDULE C - SCHEDULE FOR ACTUAL COST BYLAW GLENNY DRAIN 2017, Town of Fort Erie

Schedule "A" to By-law No. 76-2019

					Total			Total
					Estimated	1/3	Allow-	Estimated
	Con	Lot	Roll No.	Owner	Gross	Grant	ances	Net
	Adj Cross	Pt 21	263-00	S. Sanderson & G. Melvin	4,092	0	700	3,392
	Adj Cross	Pt 22	264-00	R. Howard	1,438	0	300	1,138
	Adj Cross	Pt 22	265-00	L. & G. Coutts	38	0	0	38
	Adj Cross	Pt 22	266-00	L. & G. Coutts	38	0	0	38
	Adj Cross	Pt 22	267-00	W. Grimm	1,640	0	400	1,240
F	Adj Cross	Pt 22	268-01	A. Beam	159	53	0	106
	Adj Cross	Pt 22	268-05	M. & K. Knuuttila	38	0	0	38
	Adj Cross	Pt 22	268-10	R. & L. Punch	38	0	0	38
	Adj Cross	Pt 22	268-20	L. & J. Kawucha	38	0	0	38
	Adj Cross	Pt 22	268-30	T. & J. Van Leemput	38	0	0	38
	Adj Cross	Pt 22	??	Unknown (Town of Fort Erie)	38	0	0	38
					228,891	33,508	21,700	173,683
	0 - 11							
	Q.E.W.			M.T.O.	89,112	0	0	89,112
	Switch Road	-		Town of Fort Erie	75	0	0	75
	Townline Ro			Town of Fort Erie	7,671	0	0	7,671
	College Roa			Town of Fort Erie	45,285	0	0	45,285
	Ridgemoun			Town of Fort Erie	9,845	0	0	9,845
		ad (Unopened)		Town of Fort Erie	8,488	0	0	8,488
	Eagle Stree			Town of Fort Erie	4,822	0	0	4,822
		eet (Unopened)		Town of Fort Erie	226	0	0	226
	Laur Road			Town of Fort Erie	335	0	0	335
	Laur Road (Unopened)		Town of Fort Erie	168	0	0	168
	Curtis Road			Town of Fort Erie	1,432	0	0	1,432
	Bowen Roa	d		Town of Fort Erie	2,505	0	0	2,505
1	Shagbark L			Town of Fort Erie	15	0	0	15
		Assessments on F			169,979	0	0	169,979
	TOTAL ASS	SESSMENTS ON (GLENNY DR	AIN 2017:	398,870	33,508	21,700	343,662

Notes:

1 The above lands noted with an "F" are currently classified as agricultural according to OMAFRA and are therefore entitled to a 1/3 grant. Eligibility for the 1/3 grant will be confirmed at the time the final cost is levied.

2 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 only, the owners' names as shown by the last revised assessment roll, has also been included.

3. The value of the assessments identified in this schedule are estimates only, and should not be considered final.

4. All lands shown above are in the Town of Fort Erie.

					Interval 1			nterval 2		AIN NOR	Interval 3			Glenny	
					000 to 495			95 to 877			377 to 1+92	0	1	Drain	
INTERVAL					UUU IU 490		4	ອວເບັດ//		6	1 10 1+92	U	1		
NIERVAL														North	
COST ESTIMATE														Total	
Allowances				0			1.700			4.600			1	6,300	
Construction				1,300			21,100			52,200					
														74,600	
Engineering				2,500			6,500			18,500				27,500	
Non-Administrative				450			4,435			11,495				16,380	
Net HST	TF			75			565			1,445				2,085	
TOTAL COST ESTIMA	IE	_		4,325			34,300			88,240				126,865	
BENEFIT ASSESSMEN	NTS .	Total Ha	Total ba		Ha			Ha Affected			Ha		Total	Total	
Roll No.	Owner		Adjusted	Benefit	Affected	Outlet	Benefit	Adjusted	Outlet	Benefit	Affected Adjusted	Outlet	Benefit	Outlets	тот
Town of Fort Erie	(Bertie Twp)	Anecieu	Aujusteu	Denent	Adjusted	Ouliet	Denenit	Adjusted	Outlet	Denent	Adjusted	Ouliet	Denenit	Oulieta	1017
019-00	Management Board Secretariat	0	0		0.0	0		0.0	0		0.0	0	0	0	
		0	0			-			0			0		0	
020-00	M.T.O.				0.0	0		0.0	-		0.0				
023-00	G., J. & T Curtis	0	0		0.0	0		0.0	0		0.0	0		0	
025-00	G. Lichtenberger	0	0		0.0	0		0.0	0		0.0	0	-	0	
028-00	Appomattox Club of Buffalo	0	0		0.0	0		0.0	0		0.0	0		0	
075-00	J. Laur	0	0		0.0	0		0.0	0		0.0	0		0	1
075-03	Walker Aggregates Inc.	0	0	1	0.0	0		0.0	0		0.0	0	0	0	
075-04	Walker Aggregates Inc.	0	0	1	0.0	0		0.0	0		0.0	0	0	0	
078-00	M. & S. Kompf	0	0		0.0	0		0.0	0		0.0	0	0	0	
079-00	J., T. & G. Curtis	0	0		0.0	0		0.0	0		0.0	0		0	
080-01	A. & H. Miller	0	0		0.0	0		0.0	0		0.0	0		0	
081-00		0	0			0			0		0.0	0		0	
083-01	C. Spada	_	0		0.0	0	1	0.0					-	0	
	M. Dolbeau & M. Laroche	0			0.0	0		0.0	0		0.0	0		-	
084-00	J., T. & G. Curtis	0	0		0.0	0		0.0	0		0.0	0	-	0	
084-10	J. & T. Rehm	0	0		0.0	0		0.0	0		0.0	0		0	
085-00	M.T.O.	0	0		0.0	0		0.0	0		0.0	0		0	
086-00	J. Elliot	0	0		0.0	0		0.0	0		0.0	0	0	0	
087-00	Jukic Group Ltd.	0	0		0.0	0		0.0	0		0.0	0	0	0	
088-00	S. Singh	0	0		0.0	0		0.0	0		0.0	0	0	0	
089-00	A. & B. Mueller	0	0		0.0	0		0.0	0		0.0	0	0	0	
090-00	H. Bar	0	0		0.0	0		0.0	0		0.0	0	0	0	
091-00	D. & G. Carlesso	ő	0		0.0	Ő		0.0	0 0		0.0	Ő		0	
092-00	B. & I. Bryant	0	0		0.0	0		0.0	0		0.0	0	-	0	
095-00	C. & M. Paul	0	0		0.0	0		0.0	0		0.0	0		0	
						0			0						
095-01	M. & K. Boulard	0	0		0.0			0.0			0.0	0		0	
096-00	D. Demarco	0	0		0.0	0		0.0	0		0.0	0		0	
096-01	R. Lesniczek & C. Cameron	0	0		0.0	0	1	0.0	0		0.0	0		0	
103-00	T. & L. Waters	0.8	0.8		0.8	30	1	0.8	208		0.0	0		238	
104-00	R. Courtney	2.0	2		2.0	75	1	2.0	520		0.0	0		595	
105-00	A. Willick	2.0	2		2.0	75	1	2.0	520		0.0	0	0	595	
106-00	K. & S. Cosby	1.6	1.6		1.6	60		1.6	416		0.0	0	0	476	
107-00	C. Walter & R. Digrigoli	1.8	1.8		1.8	68	1	1.8	468		0.0	0	0	536	
107-01	P. Ker	6.0	4.9		4.9	185	1	4.9	1,274		0.0	Ő		1,459	
131-01	T. Tran & T. Le	0.0	4.0 0		0.0		1	0.0	1,214		0.0	0		1,400	
132-00	C. Marr	0	0		0.0	0		0.0	0		0.0	0		0	
133-00	S. Bell	0	0		0.0	0		0.0	0		0.0	0	•	0	
135-00		0	0			0	1	0.0	0		0.0	0		0	
	Jukic Group Ltd.				0.0										
136-00	O. Leon	0	0		0.0	0	1	0.0	0		0.0	0		0	
136-01	Town of Fort Erie	0	0	1	0.0	0		0.0	0		0.0	0	-	0	
137-00	G. & C. Nigh	0	0		0.0	0		0.0	0		0.0	0	-	0	
139-00	E. Bangay	0.9	1.4		1.4	53	1	1.4	364		1.4	1,217	0	1,634	
140-00	R. Christie	0.5	0.8		0.8	30	1	0.8	208		0.8	696		934	
141-00	M. Clarkson	0.3	0.5		0.5	19	1	0.5	130		0.5	435		584	
142-00	A. Chambers & M. Clarkson	0.2	0.3		0.3	11	1	0.3	78		0.3	261	0	350	
143-00	K. White	0.1	0.2		0.2	8		0.2	52		0.2	174		234	
144-00	G. Krutasky	1.1	1.7		1.7	64		1.7	442		1.7	1,478		1,984	
145-00	Jukic Group Ltd.	0	0		0.0	0	1	0.0	2		0.0	1,470	0	1,304	
145-00	P. Band & F. Cohen	18.4	9.2		9.2	347		9.2	2.392	9.300		7.999		10.738	
							400								
150-00	A. Kittel	12.4	9.3		9.3	351	400	9.3	2,418	6,500	7.3	6,347	6,900	9,116	
150-01	P. & P. Graves	4.7	4.3		4.3	162		4.3	1,118		3.9	3,391	0	4,671	
150-02	W. Beaudoin	4.5	3.8	1	3.8	143		3.8	988		3.2	2,782		3,913	
150-03	D. & K. Plato	4.5	4	1	4.0	151	1	4.0	1,040		3.4	2,956	0	4,147	4,

		ſ	50,100	uie A t	- Dy 101		5 2010	GLE	NNY DR	AIN NORTH					
INTERVAL					terval 1 0 to 495			terval 2 5 to 877			terval 3 ' to 1+920			Glenny Drain North Total	
151-00	G. Poulsen	4.5	3.4		3.4	128		3.4	884	3,500	2.8	2,435	3,500	3,447	6,947
152-00	W. & D. Gray	0.4	0.6		0.6	23		0.6	156		0.0	0	0	179	179
031-994	C.N.R.	0	0		0.0	0		0.0	0		0.0	0	0	0	0
047-996	C.P.R.	0	0		0.0	0		0.0	0		0.0	0	0	0	0
(40055)-	(Willoughby Twp)														
050-00	R. & M. Lauck	4	2		2.0	75		2.0	520		0.0	0	0	595	595
058-00	J. & R. Burger	4.9	3.9		3.9	147		0.0	0		0.0	0	0	147	147
061-00	B., D., M. & S. Arthur & M. Dilapo	5.5	2.8		2.8	106		0.0	0		0.0	0	0	106	106
068-00	G. Fansolato	8.8	4.4		4.4	166		0.0	0		0.0	0	0	166	166
116-00	S. & M. Wright	0.1	0.2	32	0.2	8		0.0	0		0.0	0	32	8	40
117-00	K. Sherk	0.2	0.3	29	0.3	11		0.0	0		0.0	0	29	11	40
118-00	P. & E. Burger	0.1	0.2	32	0.2	8		0.0	0		0.0	0	32	8	40
118-05	P. Mammoliti	0.3	0.5	21	0.5	19		0.0	0		0.0	0	21	19	40
118-15	H. Rerrie & L. Moore	0.1	0.2	32	0.2	8		0.0	0		0.0	0	32	8	40
262-00	Stevens Bancorp Inc	20.7	10.4		10.4	392	1,300	3.6	936		0.0	0	1,300	1,328	2,628
263-00	S. Sanderson & G. Melvin	4	3.9		3.9	147	3,500	2.4	624		0.0	0	3,500	771	4,271
264-00	R. Howard	0.8	1.2		1.2	45	1,300	0.6	156		0.0	0	1,300	201	1,501
265-00	L. & G. Coutts	0.2	0.3	29	0.3	11		0.0	0		0.0	0	29	11	40
266-00	L. & G. Coutts	0.1	0.2	32	0.2	8		0.0	0		0.0	0	32	8	40
267-00	W. Grimm	1.0	0.9		0.9	34	1,600	0.3	78		0.0	0	1,600	112	1,712
268-01	A. Beam	4.4	4.4		4.4	166		0.0	0		0.0	0	0	166	166
268-05	M. & K. Knuuttila	0.1	0.2	32	0.2	8		0.0	0		0.0	0	32	8	40
268-10	R. & L. Punch	0.2	0.3	29	0.3	11		0.0	0		0.0	0	29	11	40
268-20	L. & J. Kawucha	0.2	0.3	29	0.3	11		0.0	0		0.0	0	29	11	40
268-30	T. & J. Van Leemput	0.2	0.3	29	0.3	11		0.0	0		0.0	0	29	11	40
??	Unknown (Town of Fort Erie)	0.5	0.3	3	0.3	11		0.1	26		0.0	0	3	37	40
Q.E.W.	M.T.O.	3.5	7		7.0	263		7.0	1,819	14,100	7.0	6,087	14,100	8,169	22,269
Switch Road	Town of Fort Erie	1	2		2.0	75		0.0	0		0.0	0	0	75	75
Townline Road	Town of Fort Erie	1.8	3.6		3.6	136	6,600	3.6	935		0.0	0	6,600	1,071	7,671
College Road	Town of Fort Erie	0.5	1		1.0	38		1.0	259	15,800	1.0	869	15,800	1,166	16,966
Ridgemount Road	Town of Fort Erie	1.1	2.2		2.2	83		2.2	571		2.2	1,913	0	2,567	2,567
Sumner Road (Unopened)	Town of Fort Erie	0	0		0.0	0		0.0	0		0.0	0	0	0	0
Eagle Street	Town of Fort Erie	0	0		0.0	0		0.0	0		0.0	0	0	0	0
Arcadia Street (Unopened)	Town of Fort Erie	0	0		0.0	0		0.0	0		0.0	0	0	0	0
Laur Road	Town of Fort Erie	0	0		0.0	0		0.0	0		0.0	0	0	0	0
Laur Road (Unopened)	Town of Fort Erie	0	0		0.0	0		0.0	0		0.0	0	0	0	0
Curtis Road	Town of Fort Erie	0	0		0.0	0		0.0	0		0.0	0	0	0	0
Bowen Road	Town of Fort Erie	0	0		0.0	0		0.0	0		0.0	0	0	0	0
Shagbark Lane	Town of Fort Erie	0.2	0.4		0.4	15		0.0	0		0.0	0	0	15	15
TOTAL BENEFITS & SPEC		131.2	106.0	329	106.0	3,996	14,700	75.4	19,600	49,200	44.9	39,040	64,229	62,636	126,865
	Outlet %				92%			57%			44%				
	Benefit							43%			56%				

		1				30	chequie	ΑΙΟΒ		NO. 76-2 Y DRAIN S										Q.E.W. B	RANCH	
					nterval 1			nterval 2			nterval 3			nterval 4			Glenny			Q.2.11.2.		
				0	000 to 332		33	2 to 1+129)	1+1	29 to 1+58	32	1+5	582 to 1+96	60		Drain			0	00 to 343	
INTERVAL																	South					
																	Total					
COST ESTIMATE																						
Allowances				200			4,000			2,200			1,500				7,900			1,100		
Construction				1,300			44,300			23,100			17,000				85,700			17,500		
Engineering				2,500			14,500			8,000			5,500				30,500			6,000		
Non-Administrative Net HST				450 75			10,520 1,220			5,055 635			3,765 460				19,790 2,390			3,795 480		
TOTAL COST ESTIMATE				4.525			74,540			38,990			28,225				2,390			28,875		
TOTAL COOT LOTIMATE				4,525	На		74,540	На		30,330	На		20,225	На			140,200			20,075	На	
BENEFIT ASSESSMENTS	3	Total Ha	Total ha		Affected			Affected			Affected			Affected		Total	Total		Total Ha		Affected	
Roll No.	Owner	Affected	Adjusted	Benefit	Adjusted	Outlet	Benefit	Adjusted	Outlet	Benefit	Adjusted	Outlet	Benefit	Adjusted	Outlet	Benefit	Outlets	TOTAL	Affected	Benefit		Outlet
Town of Fort Erie	(Bertie Twp)		-																			
019-00	Management Board Secretariat	6.0	4.4		4.4	70		4.4	460		4.4	392		4.4	734	0	1,656	1,656	0		0.0	0
020-00	M.T.O.	3.0			1.5	24		1.5	157		1.5	134		1.5	250	0		565	0		0.0	0
023-00	G., J. & T Curtis	2.9			2.9	46		2.9	303		2.9	259		0	0	0		608	0		0.0	0
025-00	G. Lichtenberger	24.9	22.2		22.2	352		22.2	2,322		22.2	1,979		22.2	3,704	0	-,	8,357	0		0.0	0
028-00	Appomattox Club of Buffalo	4.6	2.3		2.3	36		2.3	241		2.3	205		2.3	384	0		866	0		0.0	0
075-00	J. Laur	3.6			3.6	57		3.6	376		3.6	321		0	0	0		754	0		0.0	0
075-03	Walker Aggregates Inc.	5		1	4.4	70		4.4	460		4.4	392		0	0	0		922 818	0		0.0	0
075-04 078-00	Walker Aggregates Inc.	4.7 0.5	3.9		3.9	62		3.9	408 84		3.9	348 71		0 0	0	0	0.0		0		0.0	0
078-00 079-00	M. & S. Kompf J., T. & G. Curtis	0.5	0.8 27.6		0.8 27.6	13 437		0.8 27.6	84 2,886		0.8 27.6	71 2,460		0	0	0		168 5,783	0		0.0 0.0	0
079-00	A. & H. Miller	32.1	3.9		3.9	437		3.9	408		3.9	2,400		0.0	0	0	-,	5,765	0		0.0	0
081-00	C. Spada	0.3			0.3	5		0.3	31		0.3	27		0.0	0	0		63	0		0.0	0
083-01	M. Dolbeau & M. Laroche	12.9			12.9	204		12.9	1,349		11.7	1,043		0.0	0	0		2,596	0		0.0	0
084-00	J., T. & G. Curtis	47.8	44.3		44.3	702		44.3	4.633	0	44.3	3.949		0.0	Ő	0	_,	9,284	Ő		0.0	Ő
084-10	J. & T. Rehm	1.0	1.5		1.5	24		1.5	157		1.5	134		0.0	0	0	315	315	0		0.0	0
085-00	M.T.O.	2.0			1.0	16		1.0	105		1.0	89	2,000	1.0	167	2,000	377	2,377	0		0.0	0
086-00	J. Elliot	12.8	7.7		7.7	122		7.7	805		3.5	312	1,600	3.5	584	1,600	1,823	3,423	0		0.0	0
087-00	Jukic Group Ltd.	9.3			5.5	87		5.5	575	4,600	3.8	339		0.0	0	4,600		5,601	0		0.0	0
088-00	S. Singh	7.5			6.0	95		6.0	627	4,500	0.9	80		0.0	0	8,400			0		0.0	0
089-00	A. & B. Mueller	0.4	0.6	i	0.6	10		0.6	63		0.0	0		0.0	0	0		73	0		0.0	0
090-00	H. Bar	0.3	0.2		0.2	3	16	0.2	21		0.0	0		0.0	0	16		40	0		0.0	0
091-00	D. & G. Carlesso	10			5.0	79		5.0	523		0.0	0		0.0	0	0		602	0		0.0	0
092-00 095-00	B. & I. Bryant C. & M. Paul	4.3 12.9	3.0 6.5		3.0 6.5	48 103		3.0 6.5	314 680		0.0 0.0	0		0.0 0.0	0	4,500 0		4,862 783	0 0		0.0 0.0	0
095-00	M. & K. Boulard	12.9	0.9		0.9	103		0.5	94		0.0	0		0.0	0	0		108	0		0.0	0
096-00	D. Demarco	1.6			1.3	21		1.3	136		0.0	0		0.0	0	0	100	100	0		0.0	0
096-01	R. Lesniczek & C. Cameron	5.7	2.9		2.9	46		2.9	303		0.0	0		0.0	0	0		349	0		0.0	0
103-00	T. & L. Waters	0	0.0		0.0	.0		0.0	0		0.0	0		0.0	Ő	0			0		0.0	ő
104-00	R. Courtney	Ő	0.0		0.0	Ő		0.0	Ő		0.0	Ő		0.0	Ő	0	-	-	Ő		0.0	Ő
105-00	A. Willick	0	0.0		0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
106-00	K. & S. Cosby	0	0.0		0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
107-00	C. Walter & R. Digrigoli	0			0.0	0		0.0	0		0.0	0		0.0	0	0		0	0		0.0	0
107-01	P. Ker	0.8		·	0.4	6		0.4	42		0.0	0		0.0	0	0		48	0		0.0	0
131-01	T. Tran & T. Le	5.0			5.0	79		5.0	523		0.0	0		0.0	0	0		602	0		0.0	0
132-00	C. Marr	5.0			2.5	40		2.5	261		0.0	0		0.0	0	0		301	0		0.0	0
133-00	S. Bell	0.9	1.4		1.4	22		1.4	146		0.0	0		0.0	0	0		168	0		0.0	0
135-00	Jukic Group Ltd.	5.3			5.3	84 16		5.3 0.4	554 42		0.0	0		0.0	0	0 2.400		638 2.458	0		0.0	0
136-00 136-01	O. Leon Town of Fort Erie	2	1.0 1.5		1.0 1.5	16 24		0.4 1.5	42 157		0.0 0.0	0		0.0 0.0	0	2,400 800		2,458 981	0		0.0 0.0	0
137-00	G. & C. Nigh	3.2			1.5	24 25		1.5	105		0.0	0		0.0	0	2,400		2,530	0		0.0	0
139-00	E. Bangay	0	0.0		0.0	- 23	2,400	0.0	0		0.0	0		0.0	0	2,400	0	2,550	0		0.0	0
140-00	R. Christie	0	0.0		0.0	0		0.0	0		0.0	0		0.0	0	0		0	0		0.0	0
141-00	M. Clarkson	0	0.0		0.0	0		0.0	0		0.0	0		0.0	0	0			0		0.0	0
142-00	A. Chambers & M. Clarkson	0	0.0		0.0	0		0.0	0		0.0	0		0.0	0	0			0		0.0	0
143-00	K. White	0	0.0		0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
144-00	G. Krutasky	0			0.0	0	1	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
145-00	Jukic Group Ltd.	5.5			2.8	44		0.0	0		0.0	0		0.0	0	0		44	4.7	4,300	2.4	1,907
147-00	P. Band & F. Cohen	0	0.0		0.0	0		0.0	0		0.0	0		0.0	0	0	-		0		0.0	0
150-00	A. Kittel	0	0.0		0.0	0		0.0	0		0.0	0		0.0	0	0	•	-	0		0.0	0
	P. & P. Graves	0	0.0	1	0.0	0	1	0.0	0		0.0	0	I	0.0	0	0	0	0	0		0.0	0
150-01		-																				
150-01 150-02 150-03	W. Beaudoin D. & K. Plato	0	0.0 0.0		0.0 0.0	0		0.0 0.0	0 0		0.0 0.0	0		0.0 0.0	0	0	-	0	0		0.0 0.0	0

116-00 S. & M. Wright 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0			1							ORAIN SO								1		Q.E.W. BR	ANCH	
NTERVAL. NTERVAL South South South South South Network 183.00 G. Notan 0 <																						
S. Poulsen 0					000 to 332		332	2 to 1+129		1+129	9 to 1+58	2	1+582	2 to 1+960	C					00) to 343	
161-00 G. Foulam 0 0.0	INTERVAL																					
152-00 W. B. D. Gray 0	454.00	0. Devileer	0									0			0			0				
373-994 C.N.R. 2.8 4.2 67 4.2 439 44.2 574 0.0 0 0 0.88 0.0 0.0 C 40055- 00000 M.Wingthy Yungthy 3.6 5.5 6.5 6.7 5.5 4.90 0.0 0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 <			-			0			0			0			0	-		0				0
bit Priob C.P.R. 3.6 5.5 87 5.5 575 5.5 490 0.0 0 1.152 1.152 0 0.0 0 0 0.0 0 0.0 0 0 0.0 0 0 0.0 0 0 0 0<						•			U			274			0	-		0	•			0
Utilization Utilization <thutilization< th=""> Utilization</thutilization<>															0				-			0
BEGEO R. M. Linker 0 0.0 <t< td=""><td></td><td>-</td><td>5.0</td><td>5.5</td><td>5.5</td><td>07</td><td></td><td>5.5</td><td>515</td><td></td><td>5.5</td><td>490</td><td></td><td>0.0</td><td>0</td><td>0</td><td>1,152</td><td>1,152</td><td>0</td><td></td><td>0.0</td><td>0</td></t<>		-	5.0	5.5	5.5	07		5.5	515		5.5	490		0.0	0	0	1,152	1,152	0		0.0	0
J. R. Funger 0 0.0			0	0.0	0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	Ō		0.0	0
bit-00 B., D., M. Š. Artmur & M. Diago 0			-			0			0			0			0	0	-	0	•			0
bits Bits <th< td=""><td></td><td></td><td>-</td><td></td><td></td><td>0</td><td></td><td></td><td>0</td><td></td><td></td><td>0</td><td></td><td></td><td>0</td><td>0</td><td>•</td><td>0</td><td>0</td><td></td><td></td><td>0</td></th<>			-			0			0			0			0	0	•	0	0			0
116-00 S. & M. Wright 0 0.0	068-00		-			0			0			0			0	0	Ő	0	0			Ő
17:00 K. Sherk 0 0.	116-00		-			ő			0			0			0	•	•	Ő	Ő			ő
118-00 P. &E. Burger 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 <td>117-00</td> <td></td> <td>0</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td>0</td>	117-00		0			0			0			0			0	0	0	0	0			0
118-05 P. Marmoniff 0 0.0	118-00		0			0			0			Ő			Ő	0	-	0	0			Ő
Bitwens Bancorp Inc 0 0.0 0 0.0 0 0.0 0 0 0 0 0 0.0 0 0.0 0	118-05		0			0			0			0			0	0	0	0	0			0
283-00 S. Sanderson & G. Melvin 0	118-15	H. Rerrie & L. Moore	0	0.0	0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
B84-00 R. Howard 0 0.0	262-00	Stevens Bancorp Inc	0	0.0	0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
285-00 L & G. Coutts 0 0.0 0 0.0 0	263-00	S. Sanderson & G. Melvin	0	0.0	0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
286-00 L & G, Coutts 0 0.0	264-00	R. Howard	0	0.0	0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
bit Description W. Grimm 0 0.0	265-00	L. & G. Coutts	0	0.0	0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
Description A. Beam 0 0.0 <	266-00	L. & G. Coutts	0	0.0	0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
Defends M. & K. Knuuttila 0 0.0	267-00	W. Grimm	0			0		0.0	0		0.0	0		0.0	0	0	0	0	•			0
268-10 R. & L. Punch 0 0.0	268-01		0	0.0	0.0	0			0		0.0	0		0.0	0	0	0	0	0		0.0	0
268-20 L. & J. Yan Leemput 0 0.0	268-05		0			0			0		0.0	0			0	0	-	0	0			0
268-30 T. & J. Van Leemput 0 0.0	268-10		0			0		0.0	0		0.0	0			0	0	0	0	0			0
?? Unknown (Town of Fort Erie) 0 0.0 <th< td=""><td>268-20</td><td></td><td>Ũ</td><td></td><td></td><td>0</td><td></td><td></td><td>0</td><td></td><td></td><td>0</td><td></td><td></td><td>0</td><td>•</td><td>-</td><td>0</td><td>0</td><td></td><td></td><td>0</td></th<>	268-20		Ũ			0			0			0			0	•	-	0	0			0
D.E.W. M.T.O. 23.9 46.3 733 17,200 43.1 4,508 12,900 28.5 2,540 8,000 13.9 2,319 38,100 10,100 48,200 1.6 11,100 3.2 2,543 Switch Road Town of Fort Erie 0 0.0 <td< td=""><td></td><td></td><td>-</td><td></td><td></td><td>0</td><td></td><td></td><td>0</td><td></td><td></td><td>0</td><td></td><td></td><td>0</td><td>-</td><td>-</td><td>0</td><td>•</td><td></td><td></td><td>0</td></td<>			-			0			0			0			0	-	-	0	•			0
Switch Road Town of Fort Erie 0 0.0	??	Unknown (Town of Fort Erie)	0	0.0	0.0	0		0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0
Switch Road Town of Fort Erie 0 0.0																						
Switch Road Town of Fort Erie 0 0.0	0.5.14	NTO	00.0	40.0	10.0	700	47.000	40.4	4 500	40.000	00.5	0.540	0.000	40.0	0.040	00.400	40.400	40.000		44.400		0 5 4 0
Town of Fort Erie 0 0.0		-					17,200		4,508	12,900		2,540	8,000		2,319			48,200		11,100		2,543
College Road Town of Fort Erie 3.2 6.4 6.4 101 4,600 1.8 188 0.0 0 0.0 0 4,600 2.89 4,889 1.4 6,800 2.8 2,225 Ridgemount Road Town of Fort Erie 5.3 10.6 10.6 168 6,000 1.11 0.0 0 0.0 0.0 6,000 1,278 7,278 0 0.0 0.0 0.0 Summer Road (Unopened) Town of Fort Erie 0.5 0.5 8 0.0 0.5 52 0.5 45 8,300 0.4 8,488 0 0.0 0.0 0 0.0<			-			•			0			0			0	-		0	-			0
Ridgemount Road Town of Fort Erie 5.3 10.6 10.6 168 6,000 10.6 1,110 0.0 0 0.0 0 6,000 1,278 7,278 0 0.0 0.0 0.0 Summer Road (Unopened) Town of Fort Erie 0.5 0.5 0.5 8 0.5 52 0.5 45 8,300 0.5 83 8,300 188 8,488 0 0.0 0.0 0.0 Signes freet Town of Fort Erie 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.0 <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>0</td> <td>4 600</td> <td></td> <td>100</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td>0</td> <td>-</td> <td></td> <td>4 990</td> <td>•</td> <td>6 900</td> <td></td> <td>2 225</td>			-			0	4 600		100			0			0	-		4 990	•	6 900		2 225
Summer Road (Unopened) Town of Fort Erie 0.5 0.5 8 0.5 52 0.5 45 8,300 0.5 83 8,488 0 0.0 0.0 0.0 Eagle Street Town of Fort Erie 3 6.0 6.0 95 4,100 6.0 627 0.0 0 0.0 0 4,100 722 4,822 0 0.0 0.0 0 Arcadia Street (Unopened) Town of Fort Erie 0.6 0.6 0.6 10 0.6 63 0.6 53 0.6 100 0 226 226 0 0.0 0.0 0.0 0 335 0 0.0 0.0 0 0.0 0 0.0												0			0					0,000		2,225
Eagle Street Town of Fort Erie 3 6.0 95 4,100 6.0 627 0.0 0 0.0 0 4,100 722 4,822 0 0.0 0.0 0 Arcadia Street (Unopened) Town of Fort Erie 0.6 0.6 0.6 10 0.6 63 0.6 53 0.6 100 0 226 226 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0							0,000					45	8 300		83				-			0
Arcadia Street (Unopened) Town of Fort Erie 0.6 0.6 0.6 10 0.6 53 0.6 100 0 226 226 0 0.0							4 100					-5	0,000		00				-			0
Laur Road Town of Fort Erie 0.8 1.6 1.6 25 1.6 16 143 0.0 0 0.335 335 0 0.0 0.0 0.0 .aur Road (Unopened) Town of Fort Erie 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0 0 168 168 0 0.0 0.0 0 0 0 168 168 0 0.0 0 0 0 0 168 168 0 0.0 0			-				4,100					53			100				•			0
Laur Road (Unopened) Town of Fort Erie 0.8 0.8 0.8 0.8 13 0.8 84 0.8 71 0.0 0 168 168 0 0.0 0 0.0 0 168 168 0 0.0 0 0.0 0 168 168 0 0.0 0 0 168 168 0 0.0 0 0 0 168 168 0 0.0 0.0 0 0 0 168 168 0 0.0 0.0 0 0 0 0 0 0.0 0.0 0.0 0.0 0 0 0 0.0																-			•			0
Curtis Road Town of Fort Erie 0.9 1.8 1.8 29 1.8 188 1.8 160 0.0 0 377 377 0 0.0	Laur Road (Unopened)														ő	•			0			ő
Bowen Road Town of Fort Erie 1.3 2.6 2.6 41 2.6 272 2.6 232 0.0 0 545 545 0 0.0 0 0 Shagbark Lane Town of Fort Erie 0 0.0 0.0 0 0.0 0 0.0 0 0 0.0 0 0 0.0 0.0 0 0.0 0 0.0 0 0 0.0 0.0 0 0.0 0.0 0 0.0 0.0 0 0.0	Curtis Road														0	0			0			0
Shagbark Lane Town of Fort Erie 0 0.0 <td>Bowen Road</td> <td></td> <td>Ő</td> <td>Ő</td> <td></td> <td></td> <td>Ő</td> <td></td> <td></td> <td>Ő</td>	Bowen Road														Ő	Ő			Ő			Ő
TOTAL BENEFITS & SPECIALS 296.4 285.5 0 285.5 4,525 45,916 273.7 28,624 22,000 190.6 16,990 19,900 49.9 8,325 87,816 58,464 146,280 7.7 22,200 8.4 6,675 Outlet % 100% 38% 44% 29% 23% 23%	Shaqbark Lane			-		0			0			0			0	0		0	0			0
Outlet % 100% 38% 44% 29% 23%			296.4			4,525	45,916		28,624	22,000		16,990	19,900		8,325	87,816	58,464	146,280	7.7	22,200		6,675
Benefit 0% 62% 56% 71% 77%	-	Outlet %			100%		•	38%			44%			29%							23%	
		Benefit			0%			62%			56%			71%							77%	

		1			00	C.N	N.R. BRAN	CH	10.70-	2019			r	COLLEGE	BRANCH		1		
					Interval 1			nterval 2			C.N.R.								
					000 to 694			94 to 867			Branch			0	00 to 114				GRAND
INTERVAL		1					1				Total		I				1		TOTAL
COST ESTIMATE																			
Allowances				4,800			700				5,500			900					21,700
Construction				39,700			10100 3500				49,800			7,200 2,500					234,800
Engineering				13,000 8,790							16,500								83,000
Non-Administrative Net HST				1,080			2260 280				11,050 1,360			1,835 205					52,850 6,520
TOTAL COST ESTIMAT	F			67,370			16840				84,210			12,640					398,870
	-			01,010	На			На			01,210			12,010	Ha				000,010
BENEFIT ASSESSMEN	TS	Total Ha	Total ha		Affected			Affected		Total	Total		Total Ha		Affected		Total	Total	Grand
Roll No.	Owner	Affected	Adjusted	Benefit	Adjusted	Outlet	Benefit	Adjusted	Outlet	Benefit	Outlets	TOTAL	Affected	Benefit	Adjusted	Outlet	Benefits	Outlets	Total
Town of Fort Erie	(Bertie Twp)																		
019-00	Management Board Secretariat	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0 0	1,656	1,656
020-00	M.T.O.	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	(0 0	565	565
023-00	G., J. & T Curtis	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	(0 0	608	608
025-00	G. Lichtenberger	0.0	0		0.0	0		0.0	0	0		0	0		0.0	(0 0	8,357	8,357
028-00	Appomattox Club of Buffalo	0.0	0		0.0	0	└───	0.0	0	0		0	0		0.0	(0 0	866	866
075-00	J. Laur	3.6	3.6		3.6	2,041		3.6	670	0	2,711	2,711	0		0.0	(0 0	3,465	3,465
075-03	Walker Aggregates Inc.	5.0	4.4		4.4	2,495		4.4	818	0		3,313	0		0.0	(0 0	4,235	4,235
075-04	Walker Aggregates Inc.	4.7	3.9		3.9	2,211		3.9	725	0		2,936	0		0.0	(0 0	3,754	3,754
078-00 079-00	M. & S. Kompf	0.5 8.3	0.8 6.6		0.8 6.6	454 3.742		0.8 6.6	149	0	603 4.969	603 4.969	0		0.0 0.0	(0 0	771	771
	J., T. & G. Curtis								1,227	-	.,		-			(10,752	10,752
080-01	A. & H. Miller	3.9	3.9		3.9	2,211 170		3.9	725	0		2,936 226	0		0.0	(0 0	3,754	3,754
081-00 083-01	C. Spada	0.3	0.3	4 000	0.3	6,634		0.3	56	-	226	-	0		0.0	(4,200	289	289
083-01 084-00	M. Dolbeau & M. Laroche	11.7 44.4	11.7 42	4,200 8,700	11.7 42.0	23,816		0.0 25.3	4,705	4,200 10,000	6,634 28,521	10,834 38,521	0		0.0 0.0		10,000	9,230 37,805	13,430 47,805
084-00 084-10	J., T. & G. Curtis J. & T. Rehm	1.0	42	0,700	42.0	23,810	1,300	25.5	4,705	10,000	1,130	1,130	0		0.0		0 10,000	1,445	47,805
085-00	M.T.O.	0.0	1.5		0.0	001	J	0.0	2/9	0	1,130	1,130	0		0.0		2,000	377	2,377
086-00	J. Elliot	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0		1,600	1,823	3,423
087-00	Jukic Group Ltd.	0.0	0	2,100	0.0	0		0.0	0	2,100	0	2,100	0		0.0		6,700	1,023	7,701
088-00	S. Singh	0.0	0	2,100	0.0	0		0.0	0	2,100	0	2,100	0		0.0		8,400	802	9,202
089-00	A. & B. Mueller	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0,400	73	73
090-00	H. Bar	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0		16	24	40
091-00	D. & G. Carlesso	0.0	0		0.0	0		0.0	0	0	•	0	0 0		0.0	(0 0	602	602
092-00	B. & I. Bryant	0.0	0		0.0	0		0.0	Ő	0	Ő	0	0 0		0.0	(4,500	362	4,862
095-00	C. & M. Paul	0.0	0		0.0	Ő		0.0	Ő	0	Ő	0	0		0.0	, (0 0	783	783
095-01	M. & K. Boulard	0.0	0		0.0	0		0.0	0	0		0	0		0.0	(0	108	108
096-00	D. Demarco	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	(0	157	157
096-01	R. Lesniczek & C. Cameron	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0	349	349
103-00	T. & L. Waters	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	Ċ	0 0	238	238
104-00	R. Courtney	0.0	0		0.0	0		0.0	0	0		0	0		0.0	Ċ	0 0	595	595
105-00	A. Willick	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	C	0 0	595	595
106-00	K. & S. Cosby	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	(0 0	476	476
107-00	C. Walter & R. Digrigoli	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0 0	536	536
107-01	P. Ker	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0 0	1,507	1,507
131-01	T. Tran & T. Le	0.0	0		0.0	0		0.0	0	0		0	0		0.0	0	0 0	602	602
132-00	C. Marr	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0 0	301	301
133-00	S. Bell	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	(0 0	168	168
135-00	Jukic Group Ltd.	0.0	0		0.0	0	1	0.0	0	0	0	0	0		0.0	0	0 0	638	638
136-00	O. Leon	0.0	0		0.0	0	1	0.0	0	0	0	0	1.2	1,100		1,035		1,093	4,593
136-01	Town of Fort Erie	0.0	0		0.0	0	1	0.0	0	0		0	0		0.0	(800	181	981
137-00	G. & C. Nigh	0.0	0		0.0	0		0.0	0	0		0	0		0.0	(2,400	130	2,530
139-00	E. Bangay	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	(0 0	1,634	1,634
140-00	R. Christie	0.0	0		0.0	0	1	0.0	0	0		0	0		0.0	(0 0	934	934
141-00	M. Clarkson	0.0	0		0.0	0	1	0.0	0	0	0	0	0		0.0	(0 0	584	584
142-00	A. Chambers & M. Clarkson	0.0	0		0.0	0	1	0.0	0	0	0	0	0		0.0	0	0 0	350	350
143-00	K. White	0.0	0		0.0	0	<u> </u>	0.0	0	0	0	0	0		0.0	(0 0	234	234
144-00	G. Krutasky	0.0	0		0.0	0	1	0.0	0	0		0	0		0.0	0	0 0	1,984	1,984
145-00	Jukic Group Ltd.	0.0	0		0.0	0		0.0	0	0	0	0	0	1,100		(5,400	1,951	7,351
147-00	P. Band & F. Cohen	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	(9,300	10,738	20,038
150-00	A. Kittel	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	(6,900	9,116	16,016
150-01	P. & P. Graves	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	(0 0	4,671	4,671
150-02 150-03	W. Beaudoin	0.0	0		0.0	0	1	0.0	0	0	0	0	0		0.0	(0 0	3,913	3,913
	D. & K. Plato	0.0	0	I	0.0	0	1	0.0	0	0	0	0	0		0.0	(0 0	4,147	4,147

							.R. BRANC		-				C	OLLEGE BRA	NCH				
INTERVAL					erval 1 to 694			terval 2 4 to 867			C.N.R. Branch Total			000 to	o 114				GRAND TOTAL
151-00	G. Poulsen	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	3,500	3,447	6,947
152-00	W. & D. Gray	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0	179	179
031-994	C.N.R.	1.6	2.4	1,000	2.4	1,361	2,200	2.4	446	3,200	1,807	5,007	0		0.0	0	3,200	2,687	5,887
047-996	C.P.R.	2.1	3.2	1,300	3.2	1,814	2,200	3.2	595	3,500	2,409	5,909	0		0.0	0	3,500	3,561	7,061
(40055)-	(Willoughby Twp)																		
050-00	R. & M. Lauck	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0	595	595
058-00	J. & R. Burger	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0	147	147
061-00	B., D., M. & S. Arthur & M. Dilapo	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0	106	106
068-00	G. Fansolato	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0	166	166
116-00	S. & M. Wright	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	32	8	40
117-00	K. Sherk	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	29	11	40
118-00	P. & E. Burger	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	32	8	40
118-05	P. Mammoliti	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	21	19	40
118-15	H. Rerrie & L. Moore	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	32	8	40
262-00	Stevens Bancorp Inc	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	1,300	1,328	2,628
263-00	S. Sanderson & G. Melvin	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	3,500	771	4,271
264-00	R. Howard	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	1,300	201	1,501
265-00	L. & G. Coutts	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	29	11	40
266-00	L. & G. Coutts	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	32	8	40
267-00	W. Grimm	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	1,600	112	1,712
268-01	A. Beam	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0	166	166
268-05	M. & K. Knuuttila	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	32	8	40
268-10	R. & L. Punch	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	29	11	40
268-20	L. & J. Kawucha	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	29	11	40
268-30	T. & J. Van Leemput	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	29	11	40
??	Unknown (Town of Fort Erie)	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	3	37	40
Q.E.W.	M.T.O.	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	63,300	20,812	84,112
Switch Road	Town of Fort Erie	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0	75	75
Townline Road	Town of Fort Erie	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	6,600	1,071	7,671
College Road	Town of Fort Erie	0.0	0		0.0	0		0.0	0	0	0	0	0.9	6,300	1.8	3,105	33,500	6,785	40,285
Ridgemount Road	Town of Fort Erie	0.0	0		0.0	0		0.0	0	•	-	0	0		0.0	0	6,000	3,845	9,845
Sumner Road (Unopened)	Town of Fort Erie	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	8,300	188	8,488
Eagle Street	Town of Fort Erie	0.0	0		0.0 0.0	0		0.0	0	0	0	0	0		0.0	0	4,100	722	4,822 226
Arcadia Street (Unopened)		0.0	0			0		0.0	0	0	0	0	-		0.0	0	•	226	
Laur Road	Town of Fort Erie	0.0	0		0.0	0		0.0	0	0	0	0	0		0.0	0	0	335	335
Laur Road (Unopened)	Town of Fort Erie	0.0	0		0.0	0 795		0.0	260	0	-	1.055	0		0.0	0	0	168	168 1,432
Curtis Road	Town of Fort Erie		1.4 2.6		1.4 2.6	795 1,475		1.4 2.6	260 485	0	1,055 1,960	1,055 1,960	0			0	0	1,432 2,505	1,432
Bowen Road Shaqbark Lane	Town of Fort Erie Town of Fort Erie	1.3 0.0	2.6		2.6	1,475		2.6	485	0	1,960	1,960	0		0.0 0.0	0	0	2,505	2,505
TOTAL BENEFITS & SPEC		0.0 89.1	88.3	17,300	88.3	0 50,070	5,700	59.9	11,140	23,000	61,210	0 84.210	2.1	8.500	2.4	4,140	205,745	193,125	398,870
IVIAL DENERIIS & SPEC	Outlet %	09.1	00.3	17,300	74%	30,070	5,700	59.9 66%	11,140	23,000	01,210	04,210	2.1	6,000	33%	4,140	200,740	193,125	390,070
	Benefit				74% 26%			00% 34%							33% 67%				
	Denent				20 /0			JH /0							01/0				

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Schedule "A	" to Bv-law No	. 76-2019

							_	b. 76-201		GLENNY	DRAIN	NORTH			_			
		l I			Interv				Interv					rval 3			Glenny	
					000 to	495			495 to	877			877 to	1+920			Drain	
NTERVAL																	North	
					2/m for ditc	h cleanout)			m for ditc	h cleanout)			2/m for di	tch cleanou	t)		Total	
TOTAL COST ESTIMATE				5,900				4,600				12,500					23,000	
BENEFIT ASSESSMENTS Roll No.	Owner		Total ha Adjusted	Benefit	Ha Affected Adjusted	Outlet	%		Ha Affected Adjusted	Outlet	%	Benefit	Ha Affected Adjusted	Outlet	%	Total Benefit	Total Outlets	тот
Town of Fort Erie	(Bertie Twp)																	
019-00	Management Board Secretariat	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0 0	0	j
020-00	M.T.O.	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0 0	0	j
023-00	G., J. & T Curtis	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0 0	0	1
025-00	G. Lichtenberger	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0 0	0	1
028-00	Appomattox Club of Buffalo	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	·
075-00	J. Laur	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
075-03	Walker Aggregates Inc.	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
075-04	Walker Aggregates Inc.	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
078-00	M. & S. Kompf	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
079-00	J., T. & G. Curtis	0	0		0	0	0.00		0	0	0.00		0		0.00		0	
080-01	A. & H. Miller	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	-
081-00	C. Spada	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
083-01	M. Dolbeau & M. Laroche	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
084-00	J., T. & G. Curtis	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
084-10	J. & T. Rehm	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
085-00	M.T.O.	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
086-00	J. Elliot	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
087-00	Jukic Group Ltd.	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
088-00	S. Singh	0	0		0	0	0.00		0	0	0.00		0	-	0.00		0	
089-00	A. & B. Mueller	0	0		0	0	0.00		0	0	0.00		0		0.00		0	
090-00	H. Bar	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	-
091-00	D. & G. Carlesso	0	0		0	0	0.00		0	0	0.00		0		0.00		0	
092-00	B. & I. Bryant	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
095-00	C. & M. Paul	0	0		0	0	0.00		0	0	0.00		0		0.00		-	
095-01	M. & K. Boulard	0.0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
096-00	D. Demarco	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
096-01	R. Lesniczek & C. Cameron	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
103-00	T. & L. Waters	0.8	0.8		0.8	29	0.49		0.8	25	0.54		0	0	0.00		54	
104-00	R. Courtney	2.0	2		2	74	1.25		2	64	1.39		0		0.00		138	
105-00	A. Willick	2.0	2		2	74	1.25		2	64	1.39		0		0.00		138	
106-00	K. & S. Cosby	1.6	1.6		1.6	59	1.00		1.6	51	1.11		0	0	0.00		110	
107-00	C. Walter & R. Digrigoli	1.8	1.8		1.8	66	1.12		1.8	57	1.24		0	0	0.00			
107-01	P. Ker	6.0	4.9		4.9	180	3.05		4.9	156	3.39		0	0	0.00		336	
131-01	T. Tran & T. Le	0	0		0	0	0.00		0	0	0.00		0	0	0.00			
132-00	C. Marr	0	0		0	0	0.00		0	0	0.00		0		0.00		0	
133-00	S. Bell	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
135-00	Jukic Group Ltd.	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
136-00	O. Leon	0	0		0	0	0.00		0	0	0.00		0	0	0.00		0	
136-01	Town of Fort Erie	0	0		0 0	0			0	0	0.00		0		0.00		0	
137-00 139-00	G. & C. Nigh	0.9	1.4		1.4	52	0.00		1.4	0 45	0.00		1.4	186	0.00			
139-00	E. Bangay R. Christie	0.9	1.4 0.8		1.4 0.8	52 29	0.88		1.4 0.8	45 25	0.98		1.4 0.8	186	1.49		283 160	
140-00	R. Christie M. Clarkson	0.5	0.8		0.8	29 18	0.49		0.8	25 16	0.54		0.8	106	0.85		160	
141-00	A. Chambers & M. Clarkson	0.3	0.5		0.5	18	0.31		0.5	10	0.35		0.5	40	0.53		61	
142-00	K. White	0.2	0.3		0.3	7	0.19		0.3	6	0.22		0.3	40 27	0.32		40	
143-00	G. Krutasky	0.1	0.2		1.7	63	1.07		1.7	54	1.17		1.7	225	1.80		342	
145-00	Jukic Group Ltd.	1.1	1.7		1.7	63 0	0.00		1.7	54 0	0.00		1.7	225	0.00		342	
145-00 147-00	P. Band & F. Cohen	18.4	9.2		9.2	338	5.73		9.2	293	6.37	1,400	9.2	1,219	20.95			
147-00	A. Kittel	18.4	9.2		9.2	338 342	5.73 5.80		9.2 9.3	293 296	6.43	1,400	9.2 7.3	967	20.95			
150-00	P. & P. Graves		9.3 4.3		9.3	342 158	5.80 2.68		9.3 4.3	296 137	6.43 2.98	000	7.3	967 517	4.14		1,605	
150-01	P. & P. Graves W. Beaudoin	4.7	4.3		4.3	158	2.68		4.3	137	2.98		3.9	424	4.14			
150-02 150-03	VV. Beaudoin D. & K. Plato	4.5 4.5	3.8		3.8	140 147	2.37			121	2.63		3.2	424 451	3.39		685 725	
150-03		4.5 4.5	4 3.4			147 125	2.49		4 3.4	127	2.76	500	3.4 2.8	451 371	3.61			
151-00 152-00	G. Poulsen W. & D. Grav	4.5 0.4			3.4 0.6	125	2.12		3.4 0.6	108	2.35 0.41	500	2.8	3/1	6.97 0.00			
152-00 031-994	W. & D. Gray C.N.R.	-	0.6			22				19			0	-				
131-9944	U.N.K.	0	0	1	0	U	0.00		0	U	0.00		0	0	0.00	0 (0	,

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Schedule "A" to By	/-law No. 76-2019

				Scheo	lule "A'	<u>' to By-</u>	law No	. 76-201	9	01 51111		IODTI						
			-		Interva				Interv	GLENNY	DRAIN	NORTH	Interv		1		01	
					000 to 4				495 to				877 to 1				Glenny Drain	
INTERVAL					000 10 4	+95			495 10	0//			0// 10	1+920			North	
				(12/r	n for ditch	cleanout)		(12/	m for ditc	n cleanout)	(12	/m for ditc	h cleanout)			Total	
(40055)-	(Willoughby Twp)	1		(olounout		(in tor alto	loidandat	,	(in oloanout)				
050-00	R. & M. Lauck	4.0	2		2	74	1.25		2	64	1.39		0	0	0.00	0	138	138
058-00	J. & R. Burger	4.9	3.9		3.9	143	2.42		0	0	0.00		0	0	0.00	0	143	143
061-00	B., D., M. & S. Arthur & M. Dilapo	5.5	2.8	200	2.8	103	5.14		0	0	0.00		0	0	0.00	200	103	303
068-00	G. Fansolato	8.8	4.4		4.4	162	2.75		0	0	0.00		0	0	0.00	0	162	162
116-00	S. & M. Wright	0.1	0.2	300	0.2	7	5.20		0	0	0.00		0	0	0.00	300	7	307
117-00	K. Sherk	0.2	0.3		0.3	11	0.19		0	0	0.00		0	0	0.00	0	11	11
118-00	P. & E. Burger	0.1	0.2		0.2	7	0.12		0	0	0.00		0	0	0.00	0	7	7
118-05	P. Mammoliti	0.3	0.5		0.5	18	0.31		0	0	0.00		0	0	0.00	0	18	18
118-15	H. Rerrie & L. Moore	0.1	0.2		0.2	7	0.12		0	0	0.00		0	0	0.00	0	7	7
262-00	Stevens Bancorp Inc	20.7	10.4		10.4	384	6.51	500	3.6	115	13.37		0	0	0.00	500	499	999
263-00	S. Sanderson & G. Melvin	4.0	3.9		3.9	143	2.42	500	2.4	76	12.52		0	0	0.00	500	219	719
264-00	R. Howard	0.8	1.2		1.2	44	0.75	200	0.6	19	4.76		0	0	0.00	200	63	263
265-00	L. & G. Coutts	0.2	0.3		0.3	11	0.19		0	0	0.00		0	0	0.00	0	11	11
266-00	L. & G. Coutts	0.1	0.2		0.2	7	0.12		0	0	0.00		0	0	0.00	0	7	7
267-00	W. Grimm	1.0	0.9	50	0.9	33	1.41	200	0.3	10	4.57		0	0	0.00	250	43	293
268-01	A. Beam	4.4	4.4	650	4.4	162	13.75		0	0	0.00		0	0	0.00	650	162	812
268-05	M. & K. Knuuttila	0.1	0.2		0.2	7	0.12		0	0	0.00		0	0	0.00	0	7	7
268-10	R. & L. Punch	0.2	0.3		0.3	11	0.19		0	0	0.00		0	0	0.00	0	11	11
268-20	L. & J. Kawucha	0.2	0.3		0.3	11	0.19		0	0	0.00		0	0	0.00	0	11	11
268-30	T. & J. Van Leemput	0.2	0.3		0.3	11	0.19		0	0	0.00		0	0	0.00	0	11	11
??	Unknown (Town of Fort Erie)	0.5	0.3		0.3	11	0.19		0.1	3	0.07		0	0	0.00	0	14	14
Q.E.W.	M.T.O.	3.5	7	800	7	259	17.94		7	222	4.83	3,000	7	926	31.39	3,800	1,407	5,207
Switch Road	Town of Fort Erie	1.0	2		2	74	1.25		0	0	0.00		0	0	0.00	0	74	74
Townline Road	Town of Fort Erie	1.8	3.6		3.6	133	2.25	800	3.6	115	19.89		0	0	0.00	800	248	1,048
College Road	Town of Fort Erie	0.5	1		1	37	0.63		1	32	0.70	800	1	133	7.46	800	202	1,002
Ridgemount Road	Town of Fort Erie	1.1	2.2		2.2	81	1.37		2.2	70	1.52		2.2	292	2.34	0	443	443
Sumner Road (Unopened)	Town of Fort Erie	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0	0	0
Eagle Street	Town of Fort Erie	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0	0	0
Arcadia Street (Unopened)	Town of Fort Erie	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0	0	0
Laur Road	Town of Fort Erie	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0	0	0
Laur Road (Unopened)	Town of Fort Erie	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0	0	0
Curtis Road	Town of Fort Erie	0	0		0	0	0.00		0	0	0.00		0	0	0.00	0	0	0
Bowen Road	Town of Fort Erie	-	0		•	-	0.00 0.25		0	0	0.00		0	0	0.00	0	0	10
Shagbark Lane TOTAL BENEFITS & SPEC	Town of Fort Erie	0.2	0.4	2,000	0.4	15 3,900	0.25	2,200	75.4	2,400	0.00	6,550	44.9	5,950	0.00	10,750	15 12,250	23,000
OUTLET ASSESSMENTS	IALO	131.2	100	3,900	100.0	3,900	100.00	2,200	15.4	2,400	100.00	5,950	44.9	5,950	100.00	10,750	12,200	23,000
Ha into Interval				3,900				2,400				5,950 44.9						
Outlet Rate/Ha				36.79				31.83				132.52						
Outlet Nate/118		1		50.79				31.03				132.32						

											GLENN	Y DRAIN :	SOUTH									
					Inter				Interv				Interv				Inter				Glenny	
					000 to				332 to 1	+129			1+129 to	1+582			1+582 to	o 1+960			Drain	
INTERVAL					(Kline (South	
TOTAL COOT FORMAT					2/m for dite	ch cleanout)		2/m for ditch	n cleanout))		2/m for dito	cleanout)		2/m for dit	ch cleanout	t)		Total	
TOTAL COST ESTIMAT	E			3,900				9,600				5,400				4,500					23,400	
BENEFIT ASSESSMENT	T0	Total Ha	Total ha		Ha				Ha				На				Ha			Total	Total	
Roll No.	Owner	Affected	Adjusted	Benefit	Affected	Outlet	%	Benefit	Affected	Outlet	%	Benefit	Affected	Outlet	%	Benefit	Affected	Outlet	%	Benefit	Outlets	TOTAL
Town of Fort Erie	(Bertie Twp)	Allected	Aujusteu	Denenit	Adjusted	Outlet	70	Denenit	Adjusted	Outlet	70	Denenii	Adjusted	Oullet	70	Denenit	Adjusted	Outlet	70	Denenit	Outlets	TUTAL
019-00	Management Board Secretariat	6.0	4.4		4.4	45	1.15		4.4	80	0.83		4.4	55	1.02		4.4	159	3.53	0	339	33
020-00	Management Doard Secretariat	3.0	1.5		1.5	15	0.38		1.5	27	0.00		1.5	19	0.35		1.5		1.20	0	115	11
023-00	G., J. & T Curtis	2.9	2.9		2.9	29	0.38		2.9	53	0.20		2.9	37	0.69		0.0		0.00	0	119	11
025-00	G. Lichtenberger	2.9	2.9		22.9	29	5.79		22.9	406	4.23		2.9	279	5.17		22.2	-	17.80	0	1,712	1,71
028-00	Appomattox Club of Buffalo	4.6	2.3		22.2	220	0.59		2.2	400	4.23		2.3	279	0.54		22.2		1.84	0	1,712	17
075-00	J. Laur	3.6	3.6		3.6	37	0.95		3.6	66	0.69		3.6	45	0.83		2.3		0.00	0	148	14
075-03	Walker Aggregates Inc.	5.0	4.4		4.4	45	1.15		4.4	80	0.83		4.4	45 55	1.02		0	0	0.00	0	140	14
075-04	Walker Aggregates Inc.	4.7	3.9		3.9	40	1.03		3.9	71	0.83		3.9	49	0.91		0	0	0.00	0	160	16
078-00	M. & S. Kompf	0.5	0.8		0.8	-0	0.21		0.8	15	0.14		0.8	10	0.31		0	0	0.00	0	33	3
079-00	J., T. & G. Curtis	32.1	27.6		27.6	280	7.18		27.6	504	5.25		27.6	347	6.43		0		0.00	0	1,131	1,13
080-01	A. & H. Miller	3.9	3.9		3.9	40	1.03		3.9	71	0.74		3.9	49	0.43		0	0	0.00	0	1,131	1,13
081-00	C. Spada	0.3	0.3		0.3	40	0.08		0.3	5	0.74		0.3	49	0.91		0	0	0.00	0	100	10
083-01	M. Dolbeau & M. Laroche	12.9	12.9		12.9	131	3.36		12.9	236	2.46		11.7	147	2.72		0	0	0.00	0	514	51
084-00	J., T. & G. Curtis	47.8	44.3		44.3	450	11.54		44.3	809	8.43	600	44.3	558	21.44		0	0	0.00	600	1,817	2,41
084-10	J. & T. Rehm	1.0	1.5		1.5	15	0.38		1.5	27	0.40	000	1.5	19	0.35		0	Ő	0.00	000	61	2,41
085-00	M.T.O.	2.0	1.0		1.0	10	0.26		1.0	18	0.19		1.0	13	0.24	500	1.0		11.91	500	77	57
086-00	J. Elliot	12.8	7.7		7.7	78	2.00		7.7	141	1.47		3.5	44	0.81	600			16.13	600	389	98
087-00	Jukic Group Ltd.	9.3	5.5		5.5	56	1.44		5.5	100	1.04	700	3.8	48	13.85	000	0.0		0.00	700	204	90
088-00	S. Singh	7.5	6.0		6.0	61	1.56	500	6.0	110	6.35	500	0.9	11	9.46		Ő		0.00	1,000	182	1,18
089-00	A. & B. Mueller	0.4	0.6		0.6	6	0.15	000	0.6	11	0.11	000	0.0	0	0.00		Ő	ů 0	0.00	0	17	.,.0
090-00	H. Bar	0.3	0.2		0.2	2	0.05		0.2	4	0.04		0.0	0	0.00		0	0	0.00	0	6	
091-00	D. & G. Carlesso	10.0	5.0		5.0	51	1.31		5.0	91	0.95		0.0	0	0.00		0	0	0.00	0	142	14
092-00	B. & I. Bryant	4.3	3.0		3.0	30	0.77	600	3.0	55	6.82		0.0	0	0.00		0	0	0.00	600	85	68
095-00	C. & M. Paul	12.9	6.5		6.5	66	1.69	000	6.5	119	1.24		0.0	Ő	0.00		Ő	Ő	0.00	0	185	18
095-01	M. & K. Boulard	1.0	0.9		0.9	9	0.23		0.9	16	0.17		0.0	0	0.00		0	0	0.00	0	25	2
096-00	D. Demarco	1.6	1.3		1.3	13	0.33		1.3	24	0.25		0.0	0	0.00		0	0	0.00	0	37	3
096-01	R. Lesniczek & C. Cameron	5.7	2.9		2.9	29	0.74		2.9	53	0.55		0.0	0	0.00		0	0	0.00	0	82	8
103-00	T. & L. Waters	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
104-00	R. Courtney	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
105-00	A. Willick	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
106-00	K. & S. Cosby	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
107-00	C. Walter & R. Digrigoli	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
107-01	P. Ker	0.8	0.4		0.4	4	0.10		0.4	7	0.07		0.0	0	0.00		0	0	0.00	0	11	1
131-01	T. Tran & T. Le	5.0	5.0		5.0	51	1.31		5.0	91	0.95		0.0	0	0.00		0	0	0.00	0	142	14
132-00	C. Marr	5.0	2.5		2.5	25	0.64		2.5	46	0.48		0.0	0	0.00		0	0	0.00	0	71	7
133-00	S. Bell	0.9	1.4		1.4	14	0.36		1.4	26	0.27		0.0	0	0.00		0	0	0.00	0	40	4
135-00	Jukic Group Ltd.	5.3	5.3		5.3	54	1.38		5.3	97	1.01		0.0	0	0.00		0	0	0.00	0	151	15
136-00	O. Leon	2.0	1.0	100	1.0	10	2.82	300	0.4	7	3.20		0.0	0	0.00		0	0	0.00	400	17	41
136-01	Town of Fort Erie	1.0	1.5		1.5	15	0.38	150	1.5	27	1.84		0.0	0	0.00		0	0	0.00	150	42	19
137-00	G. & C. Nigh	3.2	1.6	450	1.6	16	11.95	400	1.0	18	4.35		0.0	0	0.00		0	0	0.00	850	34	88
139-00	E. Bangay	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
140-00	R. Christie	0.0	0.0	1	0.0	0	0.00	1	0.0	0	0.00	1	0.0	0	0.00		0	0	0.00	0	0	
141-00	M. Clarkson	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
142-00	A. Chambers & M. Clarkson	0.0	0.0	1	0.0	0	0.00	1	0.0	0	0.00	1	0.0	0	0.00		0	0	0.00	0	0	
143-00	K. White	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
144-00	G. Krutasky	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
145-00	Jukic Group Ltd.	5.5		450	2.8	28	12.26		0.0	0	0.00		0.0	0	0.00		0.0		0.00	450	28	47
147-00	P. Band & F. Cohen	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0		0.00	0	0	
150-00	A. Kittel	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0		0.00	0	0	
150-01	P. & P. Graves	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
150-02	W. Beaudoin	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
150-03	D. & K. Plato	0.0	0.0	1	0.0	0	0.00	1	0.0	0	0.00	1	0.0	0	0.00		0	0	0.00	0	0	
151-00	G. Poulsen	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
152-00	W. & D. Gray	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	
031-994	C.N.R.	2.8	4.2		4.2	43	1.10		4.2	77	0.80		4.2	53	0.98		0	0	0.00	0	173	17
047-996	C.P.R.	3.6	5.5	l I	5.5	56	1.44	1	5.5	100	1.04	1	5.5	69	1.28		0	0	0.00	0	225	22

											GLENN	DRAIN SC	DUTH									
					Interva				Interva				Interva	al 3			Interva	al 4			Glenny	
					000 to				332 to 1+	+129			1+129 to 1	1+582			1+582 to 1	1+960			Drain	
INTERVAL					(Kline O																South	
				(12/r	m for ditch	cleanout)		(12/	m for ditch	cleanout))	(12/	m for ditch	cleanout))	(12/r	m for ditch	cleanout	(Total	
(40055)-	(Willoughby Twp)																					
050-00	R. & M. Lauck	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
058-00	J. & R. Burger	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
061-00	B., D., M. & S. Arthur & M. Dilapo	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
068-00	G. Fansolato	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
116-00	S. & M. Wright	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
117-00	K. Sherk	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
118-00	P. & E. Burger	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
118-05	P. Mammoliti	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
118-15	H. Rerrie & L. Moore	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
262-00	Stevens Bancorp Inc	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
263-00	S. Sanderson & G. Melvin	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
264-00	R. Howard	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
265-00	L. & G. Coutts	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
266-00	L. & G. Coutts	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
267-00	W. Grimm	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
268-01	A. Beam	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
268-05	M. & K. Knuuttila	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
268-10	R. & L. Punch	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
268-20	L. & J. Kawucha	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
268-30	T. & J. Van Leemput	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
??	Unknown (Town of Fort Erie)	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
Q.E.W.	M.T.O.	23.9	46.3		46.3	471	12.10	250	43.1	788	10.82	1200	28.5	360	28.88	1400	13.9	501	42.26	2,850	2,120	4,970
Switch Road	Town of Fort Erie	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	C
Townline Road	Town of Fort Erie	0.0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	(
College Road	Town of Fort Erie	3.2	6.4		6.4	66	1.69	800	1.8	33	8.68		0.0	0	0.00		0	0	0.00	800	99	899
Ridgemount Road	Town of Fort Erie	5.3	10.6		10.6	109	2.79	800	10.6	194	10.36		0.0	0	0.00		0	0	0.00	800	303	1,103
Sumner Road (Unopened)	Town of Fort Erie	0.5	0.5		0.5	5	0.13		0.5	9	0.09		0.5	6	0.11	200	0.5	18	4.84	200	38	238
Eagle Street	Town of Fort Erie	3.0	6.0		6.0	61	1.56	800	6.0	110	9.49		0.0	0	0.00		0	0	0.00	800	171	971
Arcadia Street (Unopened)	Town of Fort Erie	0.6	0.6		0.6	6	0.15		0.6	11	0.11		0.6	8	0.15		0.6	22	0.49	0	47	47
Laur Road	Town of Fort Erie	0.8	1.6		1.6	16	0.41		1.6	29	0.30		1.6	20	0.37		0	0	0.00	0	65	65
Laur Road (Unopened)	Town of Fort Erie	0.8	0.8		0.8	8	0.21		0.8	15	0.16		0.8	10	0.19		0	0	0.00	0	33	33
Curtis Road	Town of Fort Erie	0.9	1.8		1.8	18	0.46		1.8	33	0.34		1.8	23	0.43		0	0	0.00	0	74	74
Bowen Road	Town of Fort Erie	1.3	2.6		2.6	26	0.67		2.6	48	0.50		2.6	33	0.61		0	0	0.00	0	107	107
Shagbark Lane	Town of Fort Erie	0	0.0		0.0	0	0.00		0.0	0	0.00		0.0	0	0.00		0	0	0.00	0	0	0
TOTAL BENEFITS & SPECI	ALS	296.4	285.5	1,000	285.5	2,900	100.00	4,600	273.7	5,000	100.00	3,000	190.6	2,400	100.00	2,700	49.9	1,800	100.00	11,300	12,100	23,400
OUTLET ASSESSMENTS				2,900				5,000				2,400				1,800						
Ha into Interval				285.5				273.7				190.6				49.9						
Outlet Rate/Ha				10.16				18.27				12.59				36.07						

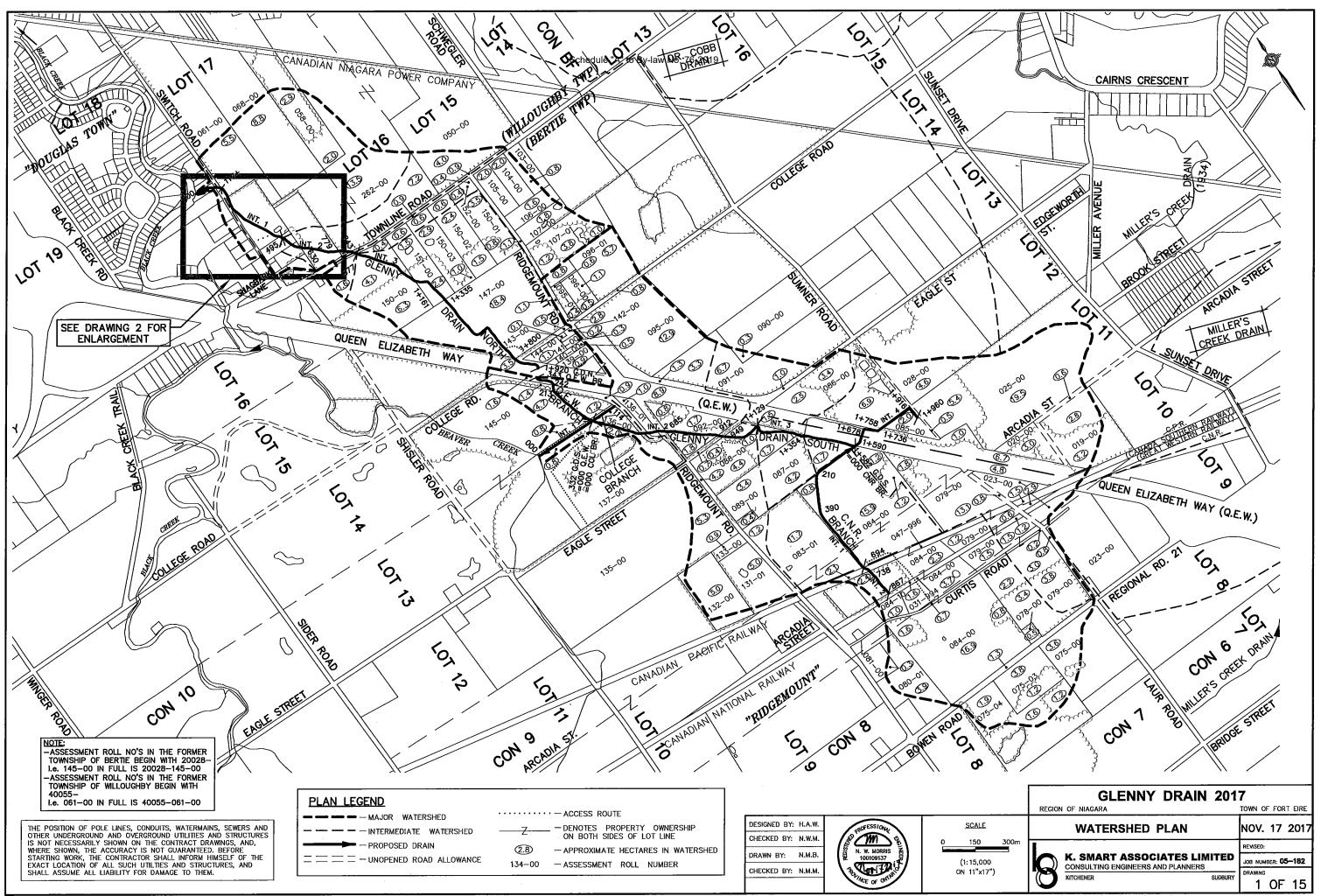
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			Q.E	.W. BRAN	ICH						. 10 20	C.N	I.R. BRANC	H						1	COLL	EGE BRA	ANCH	
				Inter	val 1					Interva	al 1			Interva	l 2			C.N.R.				Inter	val 1	
				000 t	o 343					000 to (694			694 to 8	367			Branch				000 t	o 114	
INTERVAL																		Total						
					ch cleanout)				m for ditch	cleanout))		m for ditch	cleanout)								ch cleanou	ıt)
TOTAL COST ESTIMATE			4,100						8,300				2,100					10,400			1,400			
				На						Ha				Ha						1		На		
BENEFIT ASSESSMENTS		Total Ha		Affected			Total Ha T	otal ha		Affected				Affected			Total	Total		Total Ha		Affected		
Roll No.	Owner	Affected	Benefit	Adjusted	Outlet	%	Affected Ad	djusted	Benefit	Adjusted	Outlet	%	Benefit A	Adjusted	Outlet	%	Benefit	Outlets	TOTAL	Affected	Benefit	Adjusted	Outlet	%
Town of Fort Erie	(Bertie Twp)							-		,										1		,		
019-00	Management Board Secretariat	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
020-00	M.T.O.	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.
023-00	G., J. & T Curtis	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0		Ċ	0	
025-00	G. Lichtenberger	0		0		0.00	0	0		0	0	0.00		0	0	0.00	0		0	0		Ċ		
028-00	Appomattox Club of Buffalo	0		0	ů 0	0.00	ů 0	Ő		0	0	0.00		Ő	0	0.00	0	-	0	0		Ċ	0	
075-00	J. Laur	0		0	0	0.00	3.6	3.6		3.6	183	2.20		3.6	54	2.57	0		237	7 0			-	
075-03	Walker Aggregates Inc.	0		0	-	0.00	5	4.4		4.4	224	2.70		4.4	66	3.14	0		290	-		0	-	
075-04	Walker Aggregates Inc.	0		0		0.00	4.7	3.9		3.9	199	2.40		3.9	59	2.81	0		258			(
078-00	M. & S. Kompf	0		0	-	0.00	0.5	0.8		0.8	41	0.49		0.8	12	0.57	0		53			(
079-00	J., T. & G. Curtis	0		0	-	0.00	8.3	6.6		6.6	336	4.05		6.6	99	4.71	0		435			0		
080-01	A. & H. Miller	0		0		0.00	3.9					2.40					0		258	3 0				
080-01	C. Spada	0		0		0.00	0.3	3.9 0.3		3.9 0.3	199 15	2.40		3.9 0.3	59 5	2.81 0.24	0		258 20			(
083-01		0		0	-	0.00			700	0.3 11.7				0.3	5	0.24	700	20 596	20 1,296	-			-	
	M. Dolbeau & M. Laroche	0		0	•		11.7	11.7	700 2000	11.7 42	596	15.61	600	-	•		2,600							
084-00 084-10	J., T. & G. Curtis	0		0	-	0.00	44.4 1	42 1.5	2000		2,142	49.90 0.92	600	25.3	379 23	46.62 1.10	2,600	2,521 99	5,121			(-	
	J. & T. Rehm	-			-	0.00		1.5		1.5	76			1.5					99					
085-00	M.T.O.	0		0		0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		0		
086-00	J. Elliot	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		0		
087-00	Jukic Group Ltd.	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		0		
088-00	S. Singh	0		0		0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		C	-	
089-00	A. & B. Mueller	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		0	-	
090-00	H. Bar	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	-	
091-00	D. & G. Carlesso	0		0	-	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		C		
092-00	B. & I. Bryant	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	-	
095-00	C. & M. Paul	0		0	-	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		C		
095-01	M. & K. Boulard	0		0		0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		0		
096-00	D. Demarco	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		C	0	
096-01	R. Lesniczek & C. Cameron	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
103-00	T. & L. Waters	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		C	0	
104-00	R. Courtney	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
105-00	A. Willick	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
106-00	K. & S. Cosby	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
107-00	C. Walter & R. Digrigoli	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
107-01	P. Ker	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
131-01	T. Tran & T. Le	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
132-00	C. Marr	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
133-00	S. Bell	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		(0 0	0.0
135-00	Jukic Group Ltd.	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
136-00	O. Leon	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 1.2	200	0.6	125	23.2
136-01	Town of Fort Erie	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
137-00	G. & C. Nigh	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
139-00	E. Bangay	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0 0	0.0
140-00	R. Christie	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
141-00	M. Clarkson	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0 0		C	0	0.0
142-00	A. Chambers & M. Clarkson	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0		Ċ	0	
143-00	K. White	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		Ċ	0	
144-00	G. Krutasky	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		0	0	
145-00	Jukic Group Ltd.	4.7	600	2.4	543	27.88	0	Ő		Ő	Ő	0.00		Ő	Ő	0.00	0		n	0		Ċ	-	
147-00	P. Band & F. Cohen			2.4		0.00	0 0	0		0	0	0.00		Ő	0	0.00	0		n	0		(
150-00	A. Kittel	0		0		0.00	0	0		0	0	0.00		0	0	0.00	0		0			(-	
150-00	P. & P. Graves	0		0	-	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0			•	
150-02	W. Beaudoin	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0		0	-	
150-02	D. & K. Plato	0		0	•	0.00	0	0		0	0	0.00		0	0	0.00	0		0	0 0				
151-00	G. Poulsen	0		0		0.00	0	0		0	0	0.00		0	0	0.00	0		0			(-	
152-00	W. & D. Gray	0		0	-	0.00	0	0		0	0	0.00		0	0	0.00	0		0			(•	
		0		0				0	200	•	-		200						650	3 0		-	-	
031-994	C.N.R.	-		-	-	0.00	1.6	2.4	200	2.4	122	3.88	300	2.4	36	16.00	500	158	658	-		0		
047-996	C.P.R.	0		0	0	0.00	2.1	3.2	900	3.2	163	12.81	300	3.2	48	16.57	1,200	211	1,411	0		C	0 0	0.0

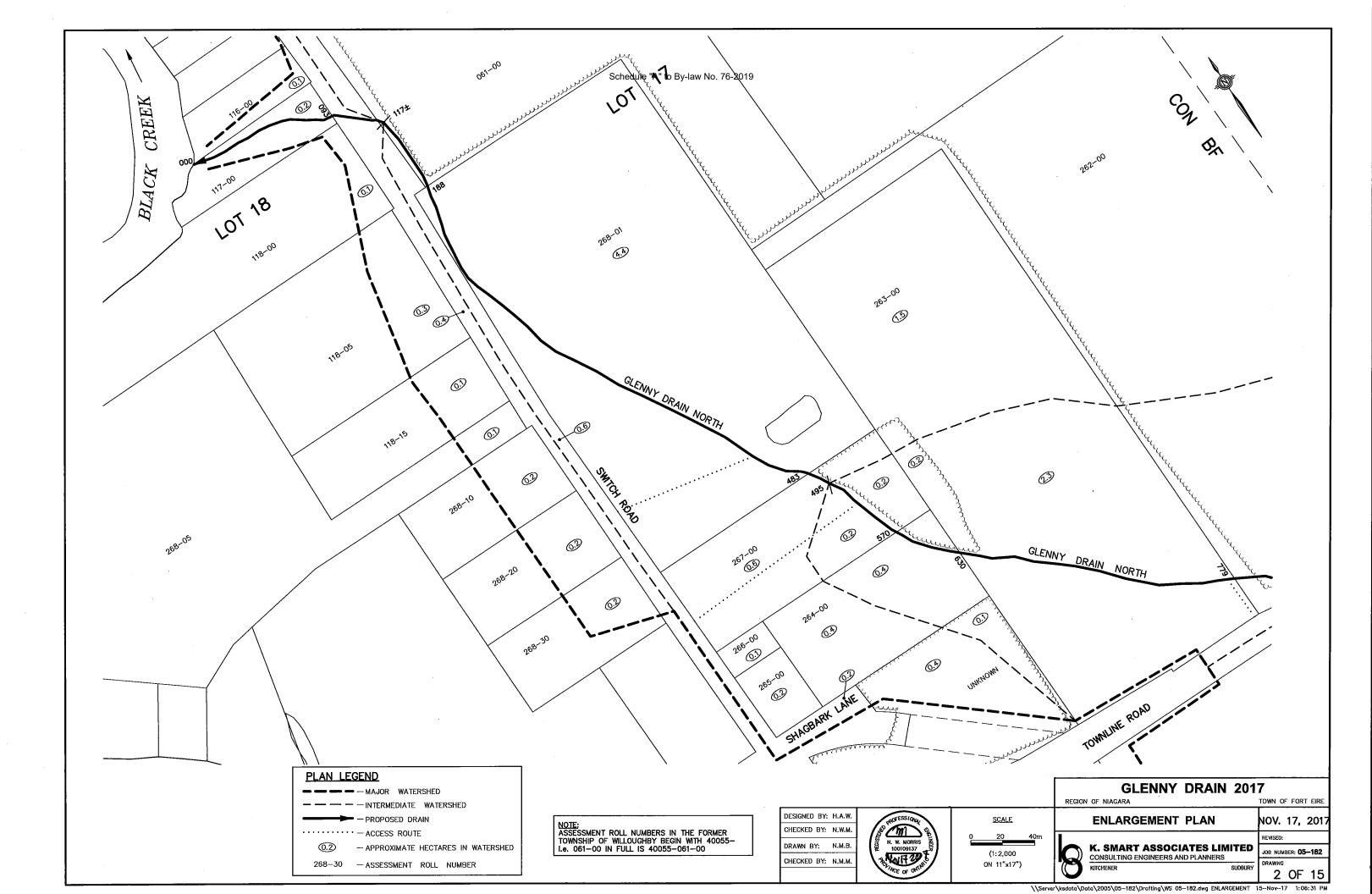
Page 52 File No. 05-182

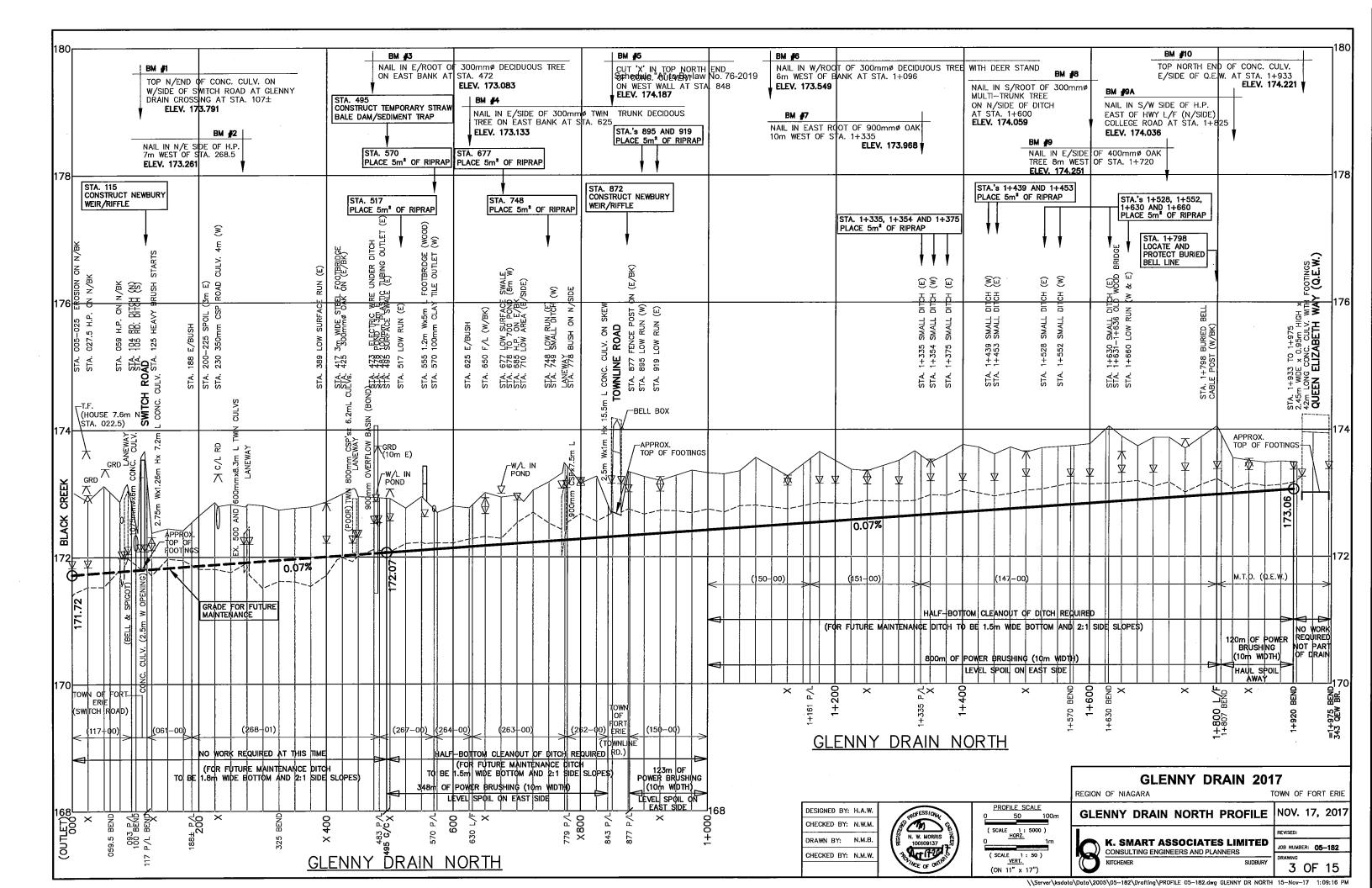
Schedule "A" to By-law No. 76-2019	
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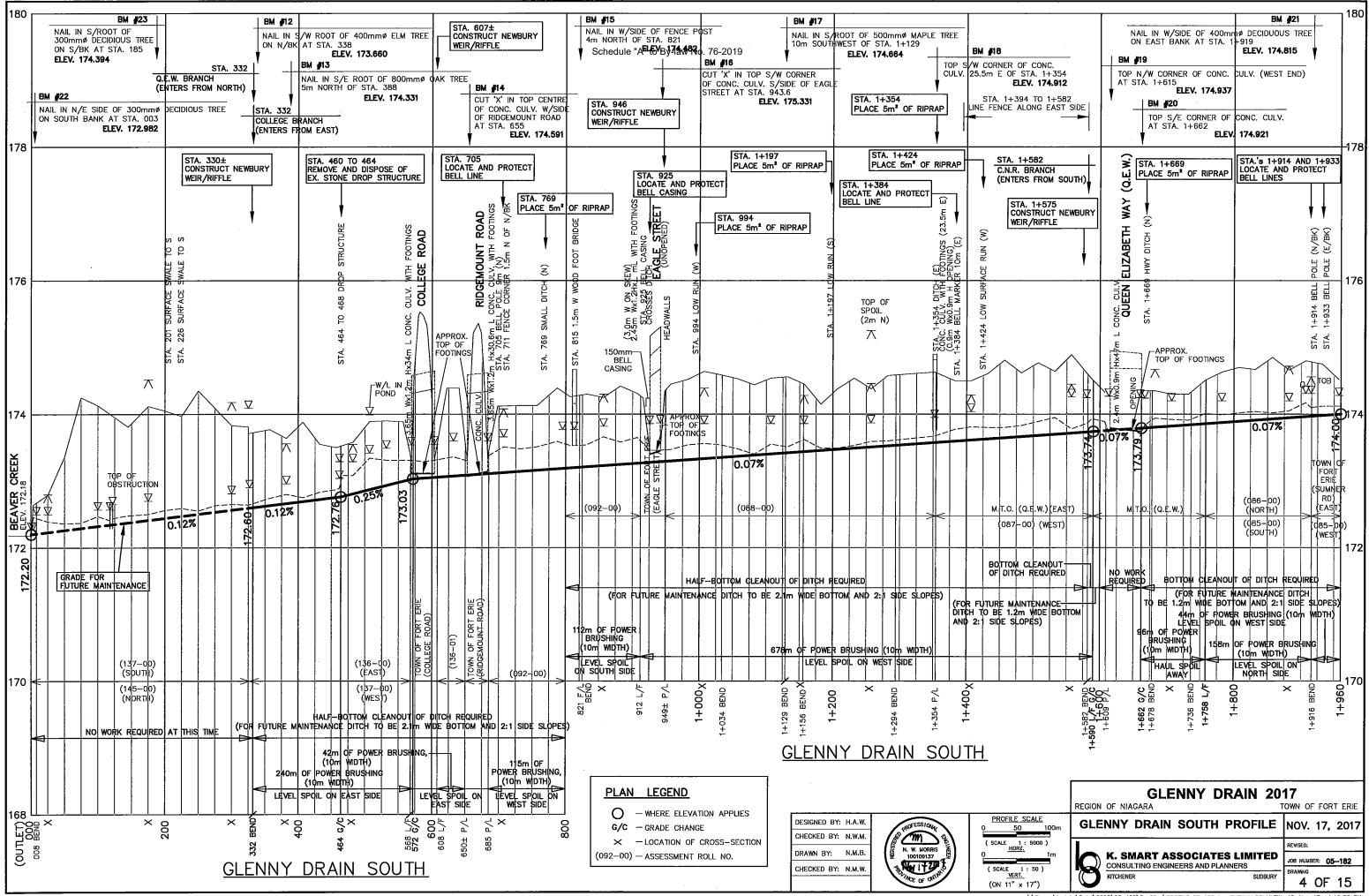
							Sched	ule "A'	to By-la	<u>aw No.</u>	76-20	19												
			Q.E.W. BRANCH C.N.R. BRANCH									COLLEGE BRANCH												
				Interva						Interva				Interval			C.N.R.		Interval 1			ľ		
INTERVAL			000 to 343					000 to 6	00 to 694 694 to 867			Branch Total			000 to 114									
			(12/m	n for ditch	cleanout))			(12/n	n for ditch	cleanout	1	(12/n	n for ditch o	cleanout)						(12/m	for ditch c	cleanout)	
(40055)-	(Willoughby Twp)	1																					· · · · ·	
050-00	R. & M. Lauck	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
058-00	J. & R. Burger	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
061-00	B., D., M. & S. Arthur & M. Dilapo	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
068-00	G. Fansolato	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
116-00	S. & M. Wright	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
117-00	K. Sherk	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
118-00	P. & E. Burger	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
118-05	P. Mammoliti	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
118-15	H. Rerrie & L. Moore	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
262-00	Stevens Bancorp Inc	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
263-00	S. Sanderson & G. Melvin	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
264-00	R. Howard	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
265-00	L. & G. Coutts	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
266-00	L. & G. Coutts	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
267-00	W. Grimm	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
268-01	A. Beam	ő		õ	Ő	0.00	0	Ő		Ő	Ő	0.00		Ő	Ő	0.00	Ő	Ő	Ő	0		Ő	Ő	0.00
268-05	M. & K. Knuuttila	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
268-10	R. & L. Punch	0		Ő	0	0.00	0	0		Ő	0	0.00		0 0	0	0.00	Ő	Ő	0	0		0	Ő	0.00
268-20	L. & J. Kawucha	ő		õ	Ő	0.00	0 0	Ő		Ő	Ő	0.00		Ő	Ő	0.00	ő	Ő	Ő	0		Ő	Ő	0.00
268-30	T. & J. Van Leemput	0		Ő	Ő	0.00	0	0		Ő	0	0.00		0 0	0	0.00	Ő	Ő	0	0		0	Ő	0.00
200 00	Unknown (Town of Fort Erie)	ő		ő	ő	0.00	0	0		0	ñ	0.00		Ő	ñ	0.00	Ő	ñ	0	0		ő	ő	0.00
	childiown (rown of r ort Elic)	ů v		Ŭ	Ŭ	0.00	Ŭ	Ŭ		0	0	0.00		0	Ŭ	0.00	Ū	v	0	Ŭ		Ŭ	Ŭ	0.00
						0.00						0.00				0.00								0.00
Q.E.W.	M.T.O.	1.6	1000	3.2	724	42.05	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
Switch Road	Town of Fort Erie	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
Townline Road	Town of Fort Erie	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
College Road	Town of Fort Erie	1.4	600	2.8	633	30.07	0	0		0	0	0.00		0	0	0.00	0	0	0	0.9	700	1.8	375	76.79
Ridgemount Road	Town of Fort Erie	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
Sumner Road (Unopened)	Town of Fort Erie	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
Eagle Street	Town of Fort Erie	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
Arcadia Street (Unopened)	Town of Fort Erie	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
Laur Road	Town of Fort Erie	0		Ō	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		Ō	Ō	0.00
Laur Road (Unopened)	Town of Fort Erie	0		0	0	0.00	0	0		0	0	0.00		0	0	0.00	0	0	0	0		0	0	0.00
Curtis Road	Town of Fort Erie	0		0	0	0.00	0.7	1.4		1.4	71	0.86		1.4	21	1.00	0	92	92	0		0	0	0.00
Bowen Road	Town of Fort Erie	0		õ	Ő	0.00	1.3	2.6		2.6	133	1.60		2.6	39	1.86	Ő	172	172	0		ő	Ő	0.00
Shagbark Lane	Town of Fort Erie	0		Ő	0	0.00	0	0		2.0	0	0.00		0	0	0.00	0	0		0		Ő	0	0.00
TOTAL BENEFITS & SPECI		7.7	2.200	8.4	1.900	100.00	89.1	88.3	3,800	88.3		100.00	1.200	59.9	900	100.00	5.000	5,400	10.400	2.1	900	2.4		100.00
OUTLET ASSESSMENTS		· · · ·	1,900	2	.,500		50.1	20.0	4,500	23.0	.,500		900		2.50		2,000	2,700	, 100		500			
Ha into Interval			8.4						88.3				59.9								2.4			ļ
Outlet Rate/Ha			226.19						50.96				15.03								208.33			ļ
Outlot Nate/Ha		11	220.10				1		30.30				10.00								200.00			



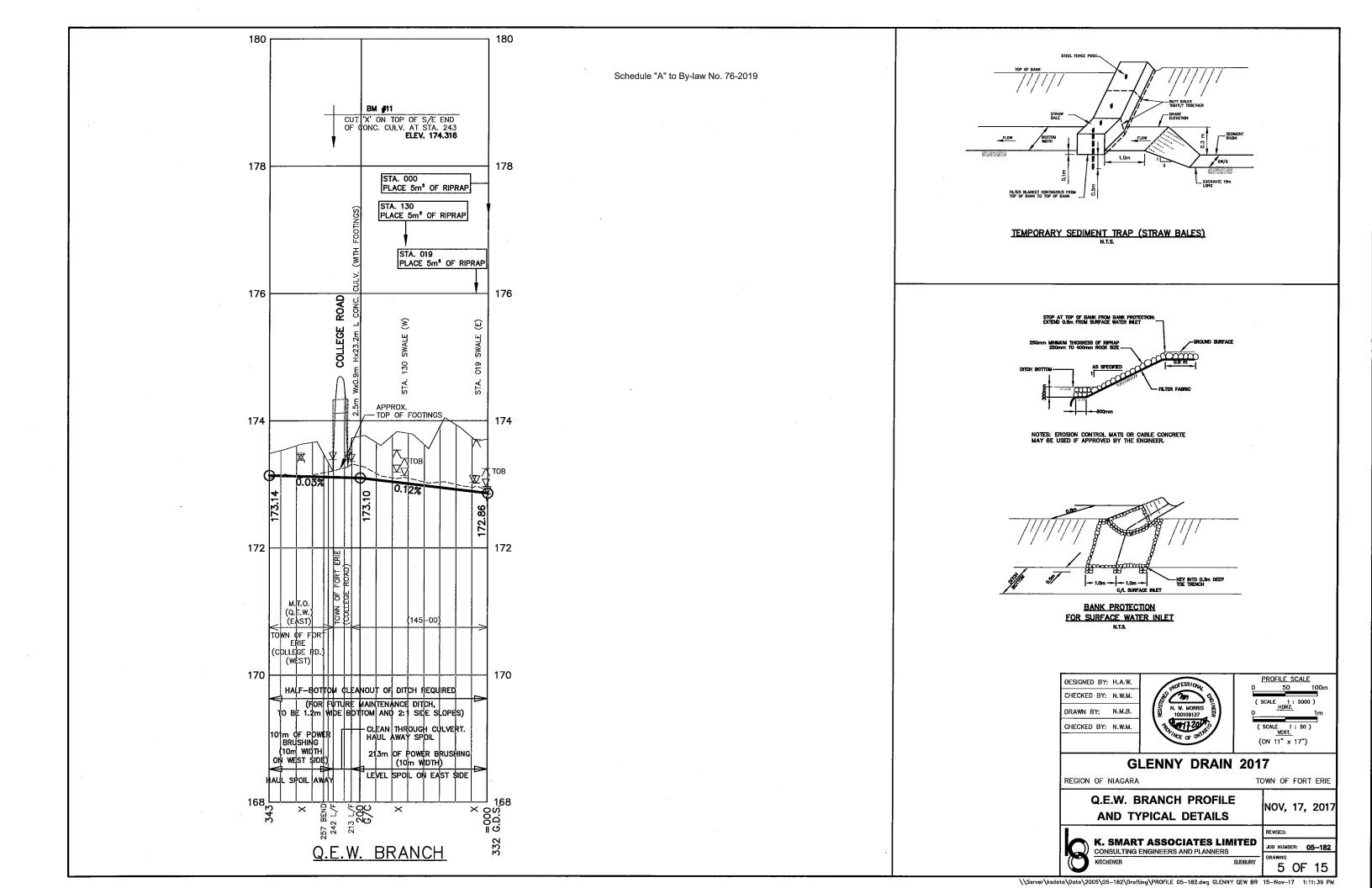
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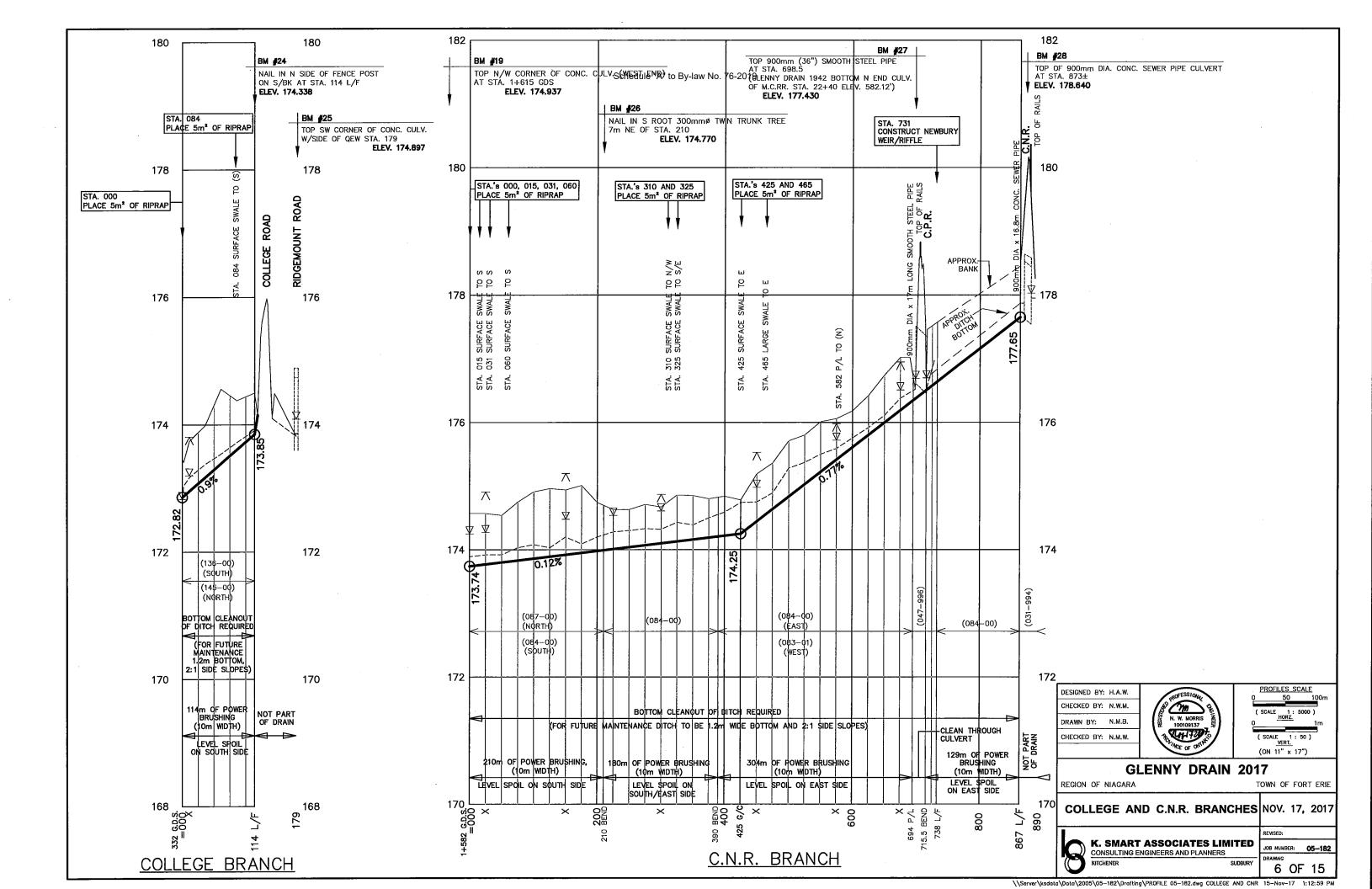


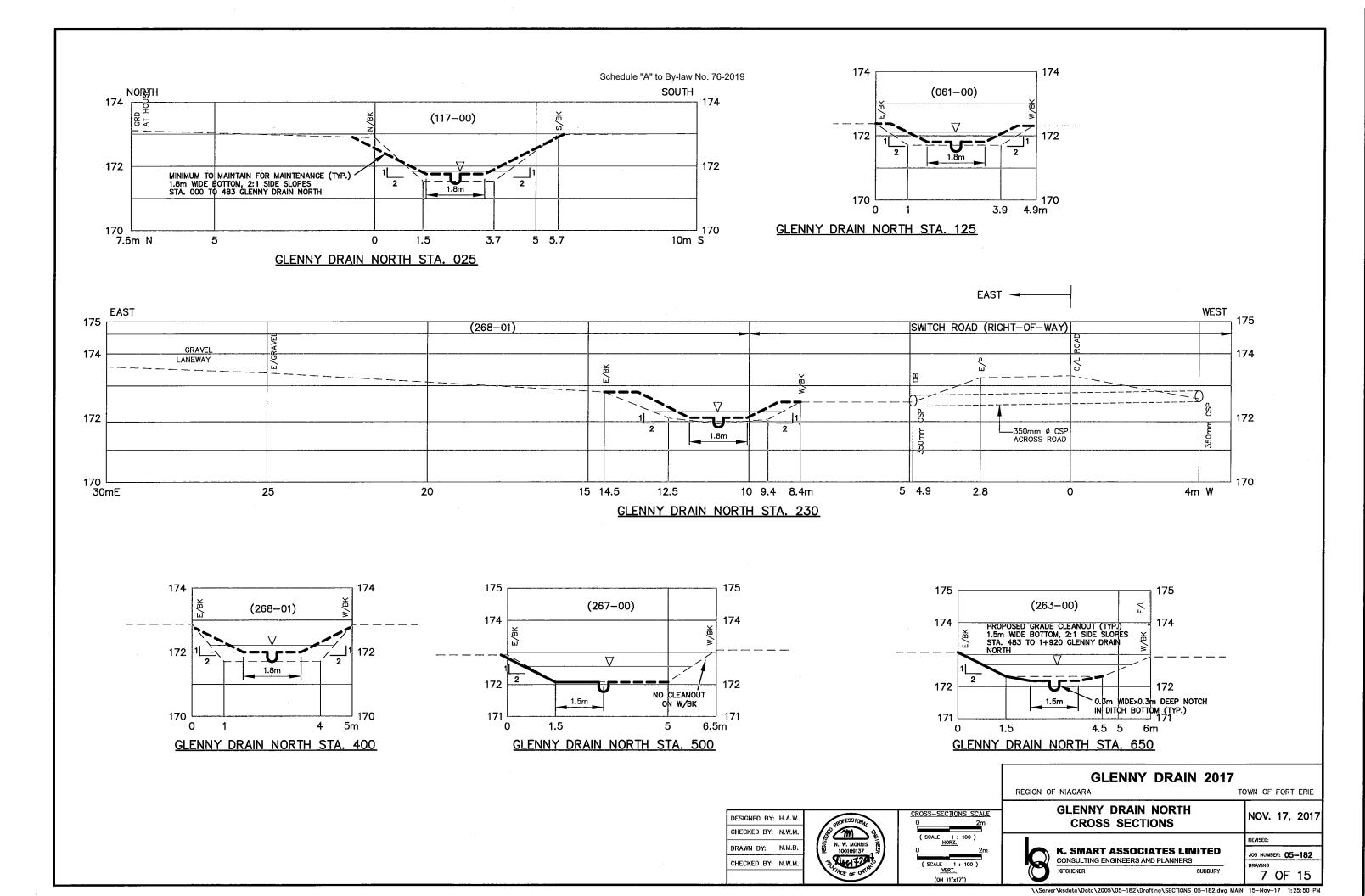




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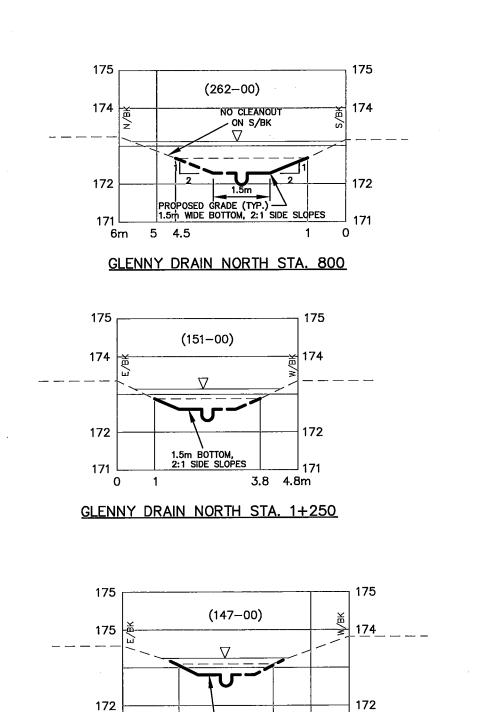
Schedule "A" to By-law No. 76-2019

(150 - 00)

175

174

175



1.5m WIDE BOTTOM, 2:1 SIDE SLOPES

GLENNY DRAIN NORTH STA. 1+650

1.5

171

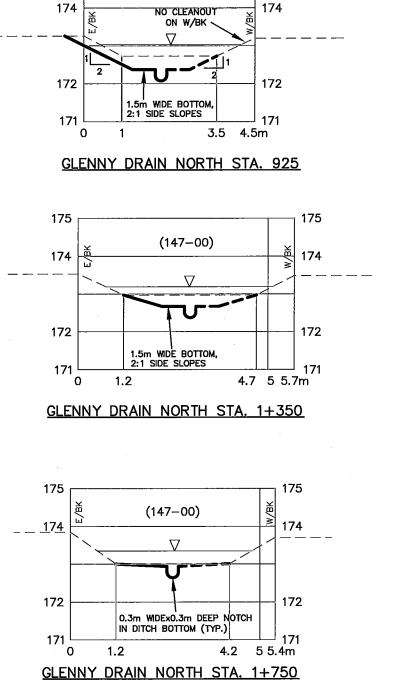
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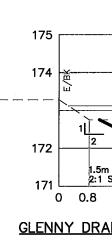
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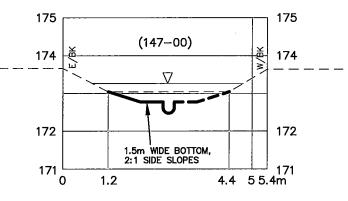
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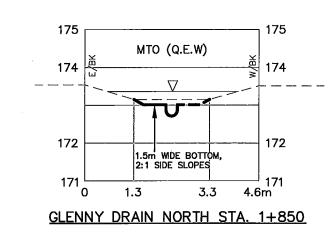
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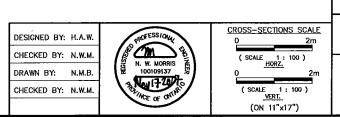
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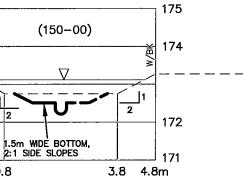








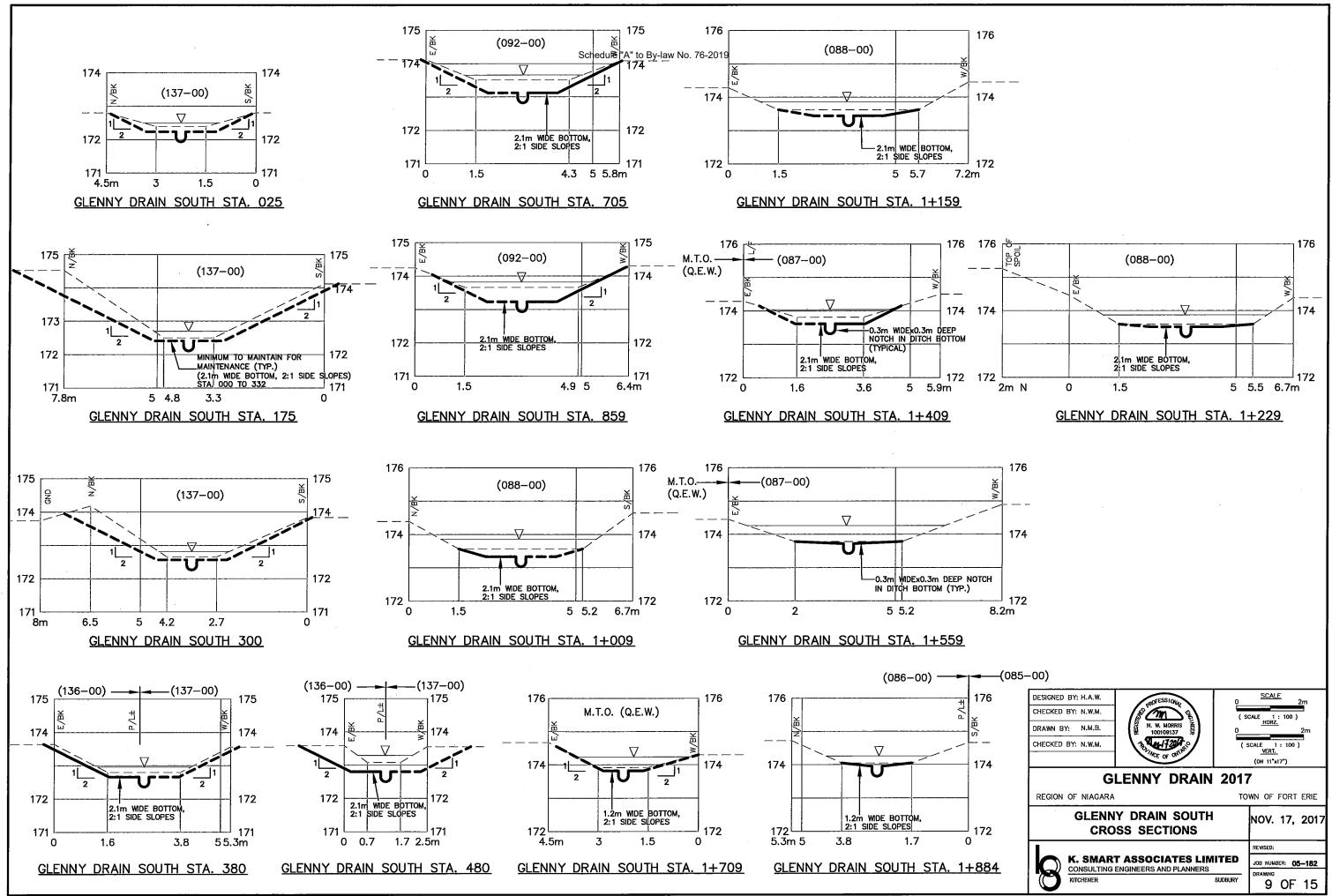




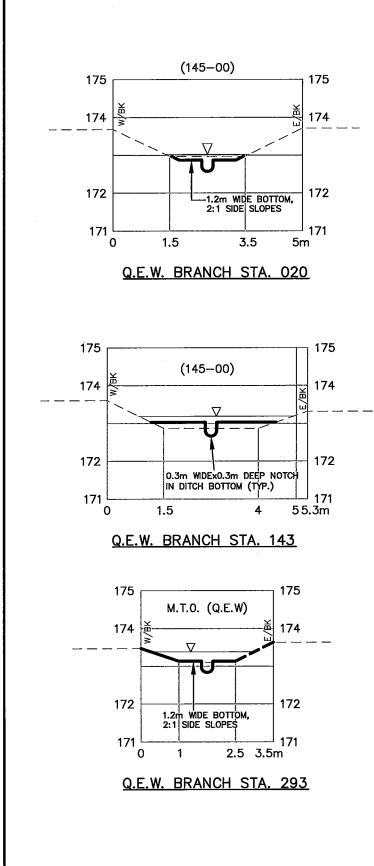
GLENNY DRAIN NORTH STA. 1+125

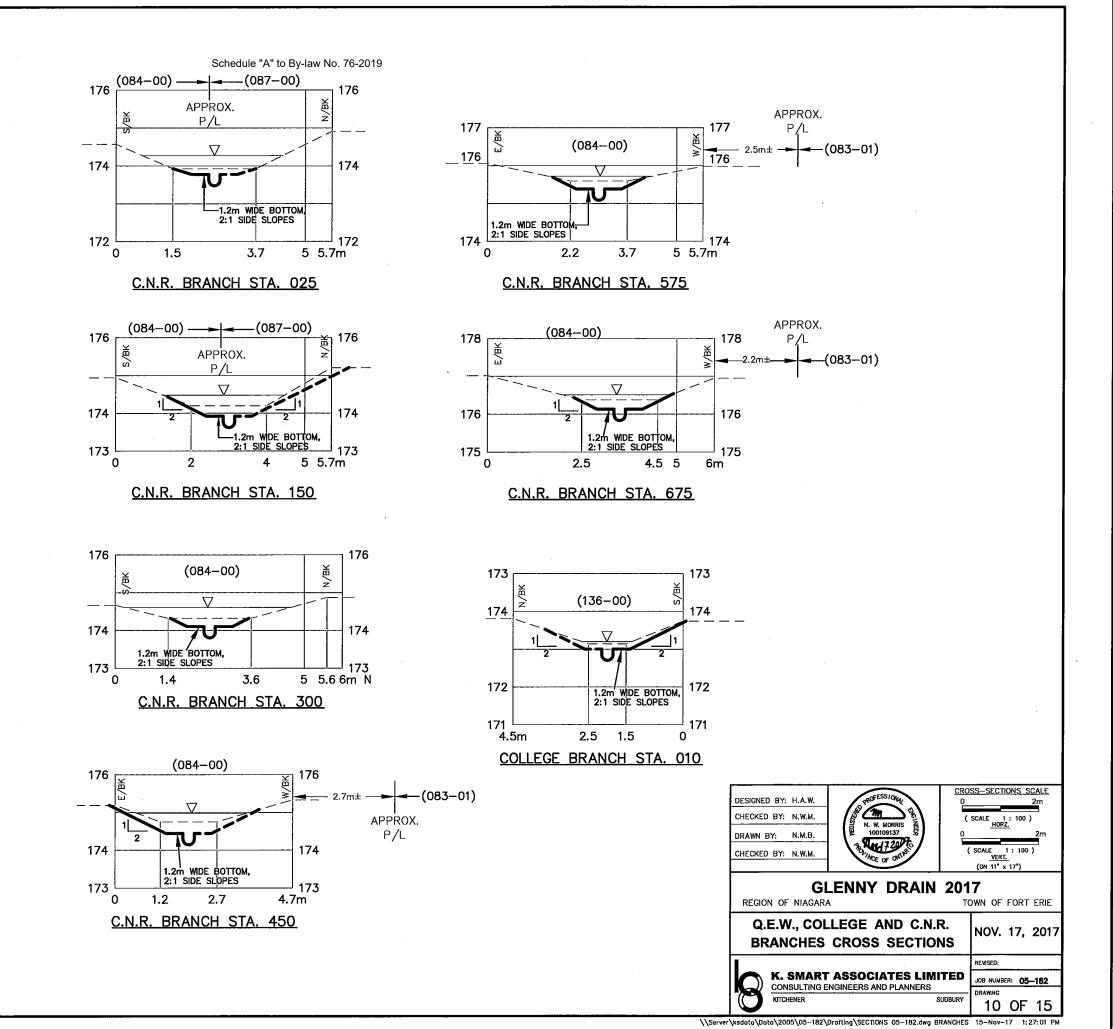
GLENNY DRAIN NORTH STA. 1+500

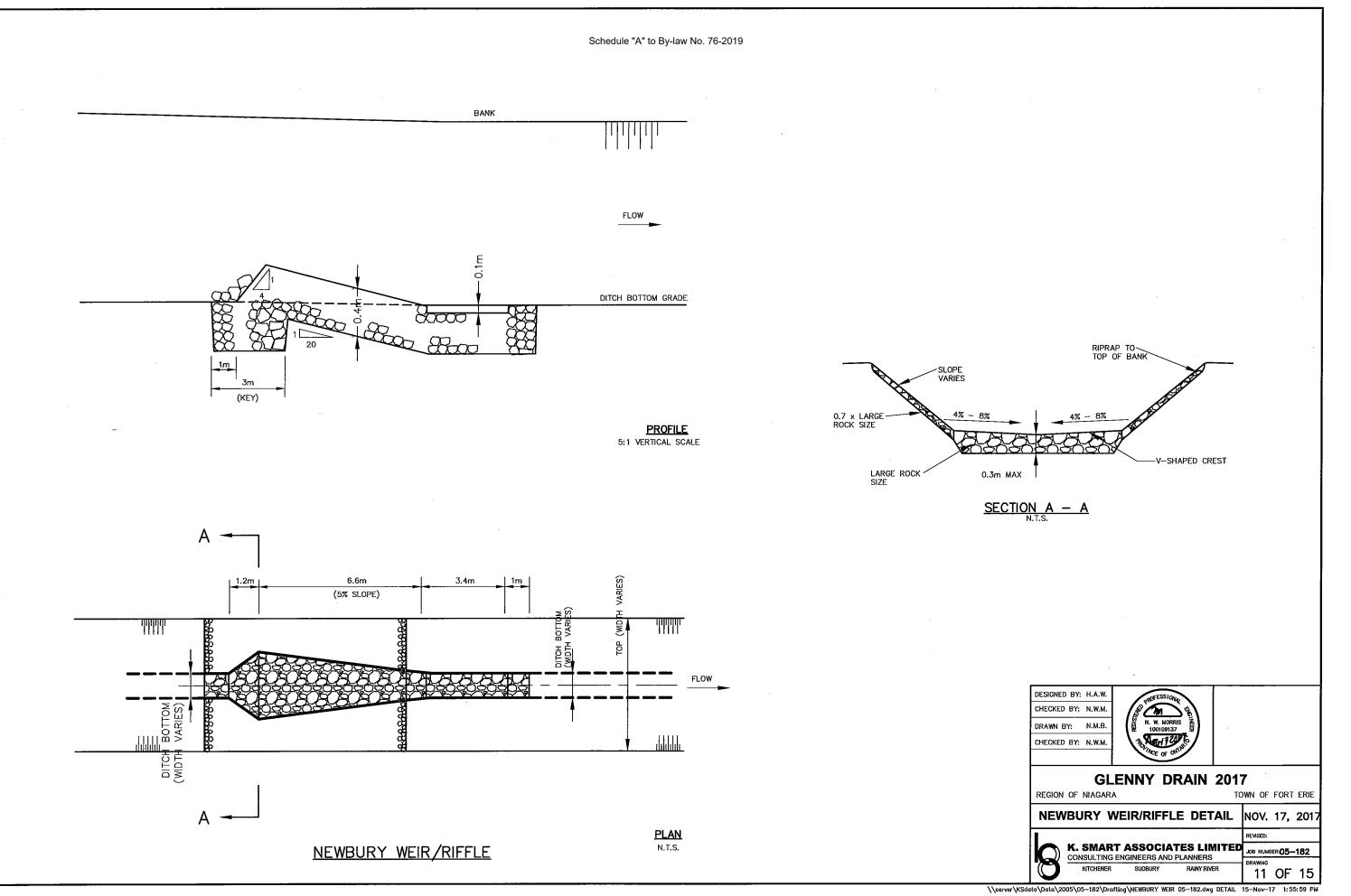
GLENNY DRAIN 2017 REGION OF NIAGARA TOWN OF FORT ERIE								
	ENNY DRAIN NOR S SECTIONS CONT		NOV. 17, 2017					
	SMART ASSOCIATES SULTING ENGINEERS AND PLANN		REWSEO: JOB NUMBER: 05-182 DRAWING					
	IENER a\Dota\2005\05-182\Drafting\SECTIC	SUDBURY	8 OF 15					



\Server\ksdata\Data\2005\05-182\Drafting\SECTIONS 05-182.dwg MAIN SOUTH 15-Nov-17 1:26:36 F







			Schedule "A" to By-law No. 76-2019	
300) SPECIA	L PROVISIONS (CONSTRUCTION NOTES)		to remain. The concrete pipe and pond are not part of the	Townline Road (Town 843 to 848
300.1) SITE SP	PECIFIC NOTES		drain. They are to be maintained by the landowner.	043 10 040
	to have a 0.3m wide x 0.3m deep notch (low flow ditch) in the ditch	<u>W. Grimm (Roll</u>	<u>No. 40055-267-00)</u>	
bottom.		483 to 495	 Existing 12m of ditch to remain 	-
i) Glenny	<u>Drain North</u>	-	- No work required at this time.	040 to 000 E
K. Sherk (Roll No	40055-117-00)		 For future maintenance, ditch to have 1.8m wide bottom and 2:1 side slopes 	848 to 863.5 -
000 to 093	- Existing 93m of ditch to remain			-
	- No work required at this time.	495	- Construct temporary straw bale dam/sediment trap	
	 For future maintenance, ditch to have 1.8m wide bottom and 2:1 			863.5 to 877 -
	side slopes	495 to 570	- 75m of half-bottom cleanout on east side	-
082 to 088	- Existing 6m length of 1075mm dia. concrete sewer pipe		 For future maintenance, ditch to have 1.5m wide bottom and 2:1 side slopes 	-
002 10 000	laneway culvert to remain. No work required at this time.	λ	- 75m of power brushing (10m width on east side)	
	•		 East bank to be seeded (2m side). 	872 -
Switch Road (Tov			 Place/level spoil on east side 	
093 to 107	- Existing 14m of ditch to remain	555	Eviating private 1.2m wide x Em long wood footbridge is not part	<u>A. Kittel (Roll No. 200</u> 877 to 1+161 -
	 No work required at this time. For future maintenance, ditch to have 1.8m wide bottom and 2:1 	555	 Existing private 1.2m wide x 5m long wood footbridge is not part of the drain. It is the responsibility of the landowner to maintain 	
side slopes	- Tor future maintenance, with to have 1.0m wide bottom and 2.1		such.	
ciae ciopee				-
107 to 114.2	 Existing 2.75m wide x 1.26m high x 7.2m long concrete road 	517	 Place 5m² of riprap at low run (swale) from the east. 	-
	culvert with footings to remain. No work required at this time.	E70	Diago Em ² of ringon at 100mm (4") alou tile outlet from the west	-
114.2 to 117	- Existing 2.8m of ditch to remain	570	- Place 5m ² of riprap at 100mm (4") clay tile outlet from the west.	895 -
114.2 10 117	- No work required at this time.	R. Howard (Roll	No. 40055-264-00)	
	- For future maintenance, ditch to have 1.8m wide bottom and 2:1	570 to 630	- 60m of half-bottom cleanout on east side	919 -
	side slopes		 For future maintenance ditch to have 1.5m wide bottom and 2:1 	
			side slopes	<u>G. Poulsen (Roll No. 2</u> 1+161 to 1+335 -
115	- Construct Newbury weir/riffles.		 60m of power brushing (10m width on east side) East bank to be seeded (2m side). 	1+161 to 1+335 -
B., D., M. & S. An	thur & M. Dilapo (Roll No. 40055-061-00)		- Place/level spoil on east side.	
117 to 188	- Existing 71m of ditch to remain			-
	- No work required at this time.		<u>G. Melvin (Roll No. 40055-263-00)</u>	-
	- For future maintenance, ditch to have 1.8m wide bottom and 2:1	630 to 779	 149m of half-bottom cleanout on east side For future maintenance ditch to have 1.5m wide bottom and 2:1 	-
	side slopes		side slopes	1+335 -
A. Beam (Roll No	. <u>40055-268 -01)</u>		- 149m of power brushing (10m width on east side)	
188 to 483	 Existing 295m of ditch to remain 		- East bank to be seeded (2m side).	<u>P. Band & F. Cohen (</u>
	- No work required at this time.		 Place/level spoil on east side. 	1+335 to 1+800 -
	 For future maintenance, ditch to have 1.8m wide bottom and 2:1 side slopes 	677	- Place 5m ² of riprap at low run (swale) from the east	-
	aide aichea	011		-
270.5 to 278.8	- Existing private twin (2) 8.3m lengths of concrete/CSP laneway	678 to 700	- Existing private pond located to the west to remain. It is not	-
	culverts. One 500mm dia. and one 600mm dia. to remain.		part of the drain. It is to be maintained by the landowner.	-
	They are to be maintained by the owner.	748	- Place 5m ² of riprap at low run (swale) from the east.	1+354, 1+439 -
417	- Existing private 0.3m wide steel beam footbridge is not part of	140	- Flace on or hprap at low run (swale) from the east.	& 1+552
417	the drain. It is the responsibility of the landowner to maintain	770 to 777.5	- Existing 7.5m length of 900mm dia. CSP laneway culvert to	
	such.		remain. No work required at this time.	1+375, 1+453, -
				1+528, 1+630
441 to 447.2	- Existing twin (2) 6.2m lengths of 800mm dia. CSP's laneway		<u>p Inc. (Roll No. 40055-262-00)</u>	& 1+660
	culverts in poor shape (warped) to remain. No work required at this time.	779 to 843	 64m of half-bottom cleanout on east side For future maintenance ditch to have 1.5m wide bottom and 2:1 	1+631 to 1+636 -
	น แฮ นเปอ.		side slopes	
473	- Caution: Electrical wire crosses under the ditch.		 64m of power brushing (10m width on east side) 	
			- East bank to be seeded (2m side).	1+798 -
478	 Existing private 900mm dia. concrete overflow pipe, which outlets from the existing private pend to the east into the ditch 		- Place/level spoil on east side.	
	outlets from the existing private pond to the east, into the ditch	I		I
				PROFESSIONAL

n of Fort Erie)

- 5m of half-bottom cleanout.
- For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes
- Spoil to be hauled away and disposed of
- Existing 2.5m wide x 1.0m high x 15.5m long concrete road culvert with footings to remain. Clean through bottom
- Spoil to be hauled away and disposed of.
- 13.5m of half-bottom cleanout
- For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes
- Spoil to be hauled away and disposed of
- Construct Newbury weir/riffles.

<u>028-150-00)</u>

- 284m of half-bottom cleanout
- For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes
- 284m of power brushing (10m width on east side)
- East bank to be seeded (2m side).
- Place/level spoil on east side.
- Place 5m² of riprap at low run (swale) from the west
- Place 5m² of riprap at low run (swale) from the east.

20028-151-00)

- 174m of half-bottom cleanout on east side
- For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes
- 174m of power brushing (10m width on east side)
- East bank to be seeded (2m side).
- Place/level spoil on east side.
- Place 5m² of riprap at low run (swale) from the east.

(Roll No. 20028-147-00)

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- 465m of half-bottom cleanout on east side
- For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes
- 465m of power brushing (10m width on east side)
- East bank to be seeded (2m side).
- Place/level spoil on east side.
- Place 15m² of riprap at low runs (swales) from the west (5m² at each location)
- Place 25m² of riprap at low runs (swales) from the east (5m² at each location)
- Existing private dilapidated old wood bridge (size unknown) to be removed by the owner. Not part of drain.
- Locate and protect buried Bell line, if necessary

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			Schedule "A" to By-law No. 76-2019	
-	 120m of half-bottom cleanout on east side For future maintenance ditch to have 1.5m wide bottom and 2:1 side slopes 120m of power brushing (10m width on east side) East bank to be seeded (2m side). Spoil to be hauled away and disposed of 	<u>Town of Fort Erie</u> 608 to 650	 <u>(Roll No. 20028-136-01)</u> 42m of half-bottom cleanout on east side For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes 42m of power brushing (10m width on east side) East bank to be seeded (2m side). Place/level spoil on east side 	- 994 & 1+197 - Jukic Group Ltd. (Roll
1+920 to 1+975	Existing ditch and 2.45m wide x 0.95m high x 42m long concrete culvert with footings, across Q.E.W., to remain. Not part of the drain. It will be the responsibility of the MTO to maintain them.	<u>Ridgemount Roa</u> 650 to 655	 <u>d (Town of Fort Erie)</u> 5m of half-bottom cleanout For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes Spoil to be hauled away and disposed of. 	1+354 to 1+582 - - - - -
part of the drain.	orth exists from Sta. 000 to 1+920. Upstream of Sta. 1+920 is not	655 to 685.6	 Existing 3.65m wide x 1.2m high x 30.6m long concrete road culvert with footings to remain. Clean through bottom. Spoil to be hauled away and disposed of. 	1+354 - 1+384 -
	<u>in South</u> 5. 20028-137-00) (South) / Jukic Group Ltd. (Roll No. 20028-145-	<u>B. & I. Bryant (Ro</u> 685.6 to 912	<u>oll No. 20028-092-00)</u> - 226m of half-bottom cleanout on west side	1+424 -
-	 Existing 332m of ditch to remain. No work required at this time. For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes 		 For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes 226m of power brushing (10m width on west side) West bank to be seeded (2m side). Place/level spoil on west side 	1+575 - 1+582 to 1+590 - -
330± -	Construct Newbury weir/riffles.	705	- Locate and protect buried Bell line if necessary.	- - -
332 to 568	 028-136-00) (East) / G. & C. Nigh (Roll No. 20028-137-00) (West) 236m of half-bottom cleanout on east side For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes 236m of power brushing (10m width on east side) East bank to be seeded (2m side). Place/level spoil on east side 	769 815 <u>Eagle Street (Tov</u> 912 to 927.7	 Place 5m² of riprap at low run (swale) from the north/east Existing private 1.5m wide wood footbridge is not part of the drain. It is the responsibility of the landowner to maintain such. <u>vn of Fort Erie</u>) 15.7m of half-bottom cleanout For future maintenance ditch to have 2.1m wide bottom and 2:1 	<u>Q.E.W. (M.T.O.)</u> 1+590 to 1+615 - - - 1+615 to 1+662
	Remove and dispose of existing stone drop structure		side slopes - Spoil to be hauled away and disposed of.	
505± -	Existing private pond located 23m south/west (on G. & C. Nigh property) to remain. It is not part of the drain. It is to be maintained by the landowner.	925	 Locate and protect 150mm (6") Bell casing crossing ditch, if necessary. 	1+662 to 1+758 -
	of Fort Erie) 3.5m of half-bottom cleanout For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes Spoil to be hauled away and disposed of.	927.7 to 943.6	 Existing 2.45m wide (3.06m wide on skew) x 1.2m high x 15.9m long concrete road culvert with footings to remain. Clean through bottom Spoil to be hauled away and disposed of. 	- - - 1+669 -
571.5 to 605.5 -	Existing 3.65m wide x 1.2m high x 34m long concrete road culvert with footings to remain. Clean through bottom. Spoil to be hauled away and disposed of	943.6 to 949	 5.4m of half-bottom cleanout For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes Spoil to be hauled away and disposed of. 	<u>J. Elliot (Roll No. 2002)</u> 1+758 to 1+916 - -
-	2.5m of half-bottom cleanout For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes Spoil to be hauled away and disposed of.	946 <u>S. Singh (Roll No</u> 949 to 1+354	 Construct Newbury weir/riffles. <u>20028-088-00</u> 405m of half-bottom cleanout on west side 	-
	Construct Newbury weir/riffles.	543 IU 17304	 405m of hair-bottom cleanout on west side For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes 405m of power brushing (10m width on west side) West bank to be seeded (2m side). 	1+914 -



- Place/level spoil on west side
- Place 10m² of riprap at low runs (swales) from the west (5m² at each location)

oll No. 20028-087-00) (West) / Q.E.W. (M.T.O.) (East)

- 228m of half-bottom cleanout on west side
- For future maintenance ditch to have 2.1m wide bottom and 2:1 side slopes
- 228m of power brushing (10m width on west side)
- West bank to be seeded (2m side).
- Place/level spoil on west side
- Place 5m² of riprap at low run (swale) from the east
- Locate and protect buried Bell line, if necessary.
- Place 5m² of riprap at low run (swale) from the west.
- Construct Newbury weir/riffle
- 8m of ditch bottom cleanout
- For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes
- 8m of power brushing (10m width on south side)
- South bank to be seeded (2m side).
- Place/level spoil on south side
- Existing 25m of ditch to remain.
- No work required at this time
- For future maintenance, ditch to have 1.2m wide bottom and 2:1 side slopes
- Existing 2.4m wide x 0.9m high x 47m long concrete culvert with footings across Q.E.W. to remain. No work required at this time.
- 96m of ditch bottom cleanout
- For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes
- 96m of power brushing (10m width on east side)
- East bank to be seeded (2m side).
- Spoil to be hauled away and disposed of.
- Place 5m² of riprap at ditch outlet from the north.

028-086-00) (North) / M.T.O. (Roll No. 20028-085-00) (South)

- 158m of ditch bottom cleanout
- For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes
- 158m of power brushing (10m width on north side)
- North bank to be seeded (1m side).
- Place/level spoil on north side
- Locate and protect buried Bell line, if necessary.

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<u><i>M.T.O. (Roll No. 2</i></u> <u>Erie) (East)</u> 1+916 to 1+960	20028-085-00) (West) / Sumner Road (Unopened) (Town of Fort	000 to 210	 210m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 	- PI
1+910101+900	 For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 		 210m of power brushing (10m width on south side) South bank to be seeded (2m side). 	drain.
	 44m of power brushing (10m width) on west side West bank to be seeded (1m side). Place/level spoil on west side 	015 & 060	 Place/level spoil on south side Place 10m² of riprap at low runs (swales) from the south (5m² at such level in a) 	v) College Branch
1+933	- Locate and protect buried Bell line, if necessary.	031	each location) Place 5m² of riprap at low run (swale) from the north 	<u>O. Leon (Roll No. 20028</u> (<u>North)</u> 000 - Pl
	South exists from Sta. 000 to 1+960. Upstream of Sta. 1+960 is a not part of the drain.	<u>J., T. & G. Curtis</u> 210 to 390	(<i>Roll No. 20028-084-00)</i> - 180m of ditch bottom cleanout	000 to 114 - 11 - Fo
<u>iii) Q.E.W. B</u>	Branch		 For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 180m of power brushing (10m width on south/east side) 	sic - 11 - Sc
<u>Jukic Group Ltd. (I</u> 000	<u>Roll No. 20028-145-00)</u> - Place 5m² of riprap at ditch outlet		 South/east bank to be seeded (2m side). Place/level spoil on south/east side 	- Pl 084 - Pl
000 to 213	 213m of ditch bottom cleanout (including removal of obstructions (branches, etc.) at Sta. 005±) 	310	- Place 5m ² of riprap at low run (swale) from the north/west.	The College Branch exist
	 For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 212m of neuror bruching (10m width on cost side) 	325	- Place 5m ² of riprap at low run (swale) from the south/east (Roll No. 20028-084-00) (East) / M. Dolbeau & M. Laroche (Roll No.	the drain.
	 213m of power brushing (10m width on east side) East bank to be seeded (1m side). Place/level spoil on east side 	<u>20028-083-01) (V</u> 390 to 694	- 304m of ditch bottom cleanout	300.2) GENERAL NOTE
019	- Place 5m ² of riprap at low run (swale) from the east		 For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes 304m of power brushing (10m width on east side) 	300.2.1) Working Area - All work (brushir as noted. The v
130	- Place 5m ² of riprap at low run (swale) from the west		 East bank to be seeded (2m side). Place/level spoil on east side 	to minimize hab 15m as noted.
<u>College Road (Toy</u> 213 to 219.8	 6.8m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 	425 & 465	 Place 10m² of riprap at low runs (swales) from the east (5m² at each location) 	Refer to Standard Specifi
	side slopes Spoil to be hauled away and disposed of. 	<u>C.P.R. (Roll No. (</u> 694 to 698.5	0 <u>47-996)</u> - 4.5m of ditch bottom cleanout	300.2.2) Access (Standa Section 400.5) The Contractor shall have
219.8 to 242	 Existing 2.5m wide x 0.9m high x 22.2m long concrete road culvert with footings to remain. Clean through bottom. Spoil to be hauled away and disposed of. 		 For future maintenance, ditch to have 1.2m wide bottom and 2:1 side slopes Spoil to be hauled away and disposed of 	plan. The access routes exist, along a 6m wide (m and crops during drain cc superseded by notes on t
<u>Q.E.W. (M.T.O.) (I</u> 242 to 343	East) / College Road (Town of Fort Erie) (West) - 101m of ditch bottom cleanout - For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes	698.5 to 715.5	 Existing 17m length of 900mm dia. steel smooth wall pipe railway culvert to remain. Clean through culvert. Spoil to be hauled away and disposed of. 	first approved by the Eng contact each owner prior will be supplied with the to Telephone numbers for c
	 101m of power brushing (10m width) on west side West bank to be seeded (1m side). Spoil to be hauled away and disposed of. 	715.5 to 738	 22.5m of ditch bottom cleanout For future maintenance, ditch to have 1.2m wide bottom and 2:1 side slopes Banks to be seeded (2m sides). 	(Willoughby Twp) -262-00 Steve -263-00 C. Sa -264-00 R. He
The Q.E.W. Branc the drain.	h exists from Sta. 000 to 343. Upstream of Sta. 343 is not part of	704	- Spoil to be hauled away and disposed of	-267-00 W.G (<u>Bertie Twp)</u>
iv) C.N.R. Brancl	h	731 J., T. & G. Curtis	- Construct Newbury weir/riffles. (Roll No. 20028-084-00)	-083-01 M. D -084-00 J., T. -085-00 M.T.(
<u>J., T. & G. Curtis (</u>	<u>" Roll No. 20028-084-00) (South) / Jukic Group Ltd. (Roll No. 20028-</u>	738 to 867	 129m of ditch bottom cleanout For future maintenance ditch to have 1.2m wide bottom and 2:1 	-086-00 J. Ell -087-00, -145-00 Jukic
<u>087-00) (North)</u> 000	- Place 5m ² of riprap at ditch outlet		side slopes - 129m of power brushing (10m width on east side) - East bank to be seeded (2m side).	-088-00 S. Si -092-00 B. & -136-00 O. Le
		-		PROFESSIONAL

Place/level spoil on east side

ists from Sta. 000 to 867. Upstream of Sta. 867 is not part of the

<u>nch</u>

28-136-00) (south) / Jukic Group Ltd. (Roll No. 20028-145-00)

- Place 5m² of riprap at ditch outlet
- 114m of ditch bottom cleanout
- For future maintenance ditch to have 1.2m wide bottom and 2:1 side slopes
- 114m of power brushing (10m width on south side)
- South bank to be seeded (2m side).
- Place/level spoil on south side
- Place 5m² of riprap at low run (swale) from the south.

kists from Sta. 000 to 114. Upstream of Sta. 114 is not part of

TES

hing/clearing/cleanout) shall be done from the side of the drain e working side has been identified for each interval, and this is abitat damage in the wetland. The working width is to be 10 to

cifications for Construction, Section 400.4 for exceptions.

adard Specifications for Construction of Drains,

ave access to the drain along the routes, if any, shown on the es shall be along existing laneways or paths or where none (maximum) path. All specifications governing fences, livestock construction shall apply to access routes except where on the drawings. No other access routes shall be used unless ngineer and affected landowners. The Contractor shall also ior to using designated accesses. The landowner information e tender documents.

· contact are:

evens Bancorp Inc. Sanderson & G. Melvin Howard . Grimm

Dolbeau & M. Laroche T. & G. Curtis T.O. Elliot kic Group Ltd. Singh & I. Bryant Leon

m

N. W. MORRIS

100109137 The Fort (Phone No's for landowners may be available at time of tendering)

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-137-00	G. & C. Nigh	
-147-00	P. Band & F. Cohen	
-150-00	A. Kittel	
-151-00	G. Poulsen	
047-996	C.P.R.	
Engineer (Nea	al Morris, P. Eng.)	519-748-1199 ext. 240
Town of Fort I	Erie (Dave Maiden, Drainage Superintendent)	905-871-1600 ext. 2405
One Call Cent	tre	1-800-400-2055

<u>300.2.3) Ditch Work Required (Standard Specification for Open Drains, Section 410)</u> All construction on this project must use laser grade control for open work. Failure to do such may require forfeiture of the contract including tender deposit and payment for any work done.

a) General Note for Ditch Work on this Project

In all areas, the side of the drain for placing and leveling the spoil is to be the working side. Power brushing materials are preferred. Where materials are cut by chainsaw or excavated by backhoe, materials are to be left in piles for the landowner to dispose of. Where bush is within 10m of the channel, such materials are to be pushed and windrowed in with or adjacent to the bush areas. All brushing is to be included as part of the ditch work unless it is separately noted in the Specific Notes. All new ditch banks are to be seeded.

b) General re Open Drain Work

The open drains to be constructed will have cross-sectional dimensions as specified by the profiles and the Typical Sections on the drawings. Ditch bottom elevations are to be as shown on the profile drawings. Also minimum bottom widths and bank slopes are shown by the typical sections and by the profile drawings. All spoil is to be piled adjacent to the drain, and all banks where disturbed, are to be seeded the same day as excavation unless when requested otherwise. Do not over-excavate any channel except if noted, do not unnecessarily disturb opposite banks, and minimize bottom disturbance during root removal.

During future maintenance, all excavated materials are to be piled/levelled on adjacent properties.

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300.2.4) Soil Conditions

The Region of Niagara Soils Map for this area indicates that the soils adjacent to this drain are mainly reddish-hued lacustrine heavy clay and silty clay over clay loam till with some stone. These soils should not present significant construction difficulty but pockets of poor soil conditions may be experienced, especially if ground water levels are high at the time of construction.

300.2.5) Native Seed (Seeding Mixture)

Use Sassafras Farms wetland sites mixture or approved equal. Seed mixture to contain:

Botanical Name	Common Name	%
(Carex vulpinoidea)	Fox Sedge	20
(Juncus effuses)	Soft Rush	5
(Carex lupulina)	Hop Sedge	4
(Elymus Riparius)	River Bank Wild Rye	22
(Elymus Canadensis)	Canada Wild Rye	25
(Mimulus ringens)	Monkey Flower	1
(Verbena hastate)	Blue Vervain	2
(Aster novae-angliae)	New England Aster	3
(Carex stipata)	Awl Sedge	3
(Eupatorium fistulosum)	Joe Pye Weed	1
(Eupatorium perfoliatum)	Boneset	1
(Scirpus cyperinus)	Wool Grass	7
(Asclepias incarnate)	Swamp Milkweed	1
(Solidago patula)	Rough Leaved Goldenrod	5

To be applied at a rate of 3 kg per hectare.



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