

MUNICIPAL DRAINAGE REPORT

REPAIR AND IMPROVEMENT OF THE

4TH CONCESSION DRAIN IN THE TOWN OF LASALLE

AND

HOLDEN OUTLET DRAIN IN THE TOWN OF TECUMSEH



RC SPENCER ASSOCIATES INC.
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05 August 2022

Mayor and Municipal Council
Corporation of the Town of Lasalle
5950 Malden Road
Lasalle, Ontario N9H 1S4

Re: Repair and Improvement of the 4th Concession Drain and Holden Outlet Drain
In the Town of Lasalle and the Town of Tecumseh
Project No. 18-769

Mayor and Municipal Council:

1.0 AUTHORIZATION

In accordance with your instructions under Section 78 of the Drainage Act, we have prepared the following report that provides for the repair and improvement of the 4th Concession Drain in the Town of Lasalle and at the request of the Town of Tecumseh, the Holden Outlet Drain located in the Town of Tecumseh. Accordingly, the firm of RC Spencer Associates Inc. has performed all the necessary surveys, investigations, etc., and we report thereon as follows.

2.0 DRAINAGE HISTORY

2.1 4th CONCESSION DRAIN

The 4th Concession Drain is an existing open municipal drain located in the Town of Lasalle. A review of the records indicates that the last report prepared for the 4th Concession Drain was one prepared by W. J. Fletcher dated 23 August 1948. That report called for the repair and improvement of the 4th Concession Drain and branches. It was recommended that the drains be cleaned out and regraded in accordance with the drawings that were provided. The records also show a previous report prepared by J. J. Newman dated 5 September 1916.

2.2 HOLDEN OUTLET DRAIN

The Holden Outlet Drain is an existing open municipal drain which is an upstream extension of the 4th Concession drain located in the Town of Tecumseh. A review of the records indicates that the last report prepared for the Holden Outlet Drain was prepared by Maurice Armstrong dated 18 August 1978 (reconsidered 3 November 1978). That report called for the repair and improvement of the drain in accordance with the accompanying profile and specifications.

The records also show a previous report prepared by C.G.R. Armstrong dated 27 November 1957 for the South Talbot & Holden Outlet Drain.

The records also show a previous report prepared by Owen McKay dated 24 July 1915 for the South Talbot & Holden Outlet Drain.

The Town of Tecumseh has requested that the Holden Outlet Drain be renamed to the 4th Concession Drain in this report. As per the Town of Tecumseh's request and for the simplicity of this report, the Holden Outlet Drain shall be referred to as the 4th Concession Drain from here on.

3.0 SITE MEETING

After reviewing the drainage information and the previous Engineer's reports on the drain, an on-site meeting was held on 5 November 2018 with the landowners in the watershed. The need for the repair and improvement of the existing 4th Concession Drain was discussed, and five property owners indicated that they have low areas that are prone to flooding. One homeowner requested an enclosure of the drain on his property. A summary of the on-site meeting discussions is included in "Appendix C".

4.0 INSPECTION AND SURVEY

Our survey and examination along the entire length of the 4th Concession Drain was carried out in January 2019. The survey comprised the recording of topographic data and examining the channel for available depth necessary to provide sufficient drainage. All of the culverts and road crossings installed in the drain were also surveyed and inspected.

We commenced our survey at the outlet of the 4th Concession drain located in the Town of Lasalle. We then proceeded upstream along the channel to the upstream end of the drain, approximately 6,092 m, where the drain ends in the Town of Tecumseh.

5.0 WATERSHED DESCRIPTION

The watershed of the 4th Concession Drain is irregular in shape and has a surface area of approximately 1387 Ha (3427 Ac). A number of municipal drains and private tributary drains, both tile and open, convey surface and subsurface flows to the 4th Concession Drain.

There are several different soil types within the watershed. The proportions of different soil groups within the watershed are as follows:

Bottomland Soil – 1 %

Toledo Clay – 17 %

Brookston Clay Sand Spot Phase – 22%

Brookston Clay – 28%

Brookston Clay Loam – 32%

Overall, the soils within the 4th Concession Drain watershed are categorised as Hydrologic Soil Group (HSG) D. This category of soils is classified to have very slow infiltration rates when thoroughly wetted. This means that in a heavy rainfall event, the majority of storm water is conveyed as overland flow. The topography of the area slopes down in the westerly direction but is generally flat. The bottom gradient of the drain in the area of the proposed work is approximately between 0.04 % to 0.34 %. The lands in the drainage area are comprised of several different land uses including agriculture, residential, industrial, recreational (golf course) and forested areas.

6.0 EXISTING CONDITIONS

During the survey and inspection of the 4th Concession Drain, it was found that since the last repair and improvement project, the majority of the drain has become filled with sediment and overgrown with brush and trees to such an extent that it cannot afford proper drainage to the lands and roads it was intended to serve.

The bottom gradient of the drain is relatively flat from Station 0+000 to 0+750. The water level in the River Canard is dictated by water levels in the Great Lakes system. From Station 0+000 to 0+750, there is water standing in this section of open drain because of the water level in the River Canard. Deepening the drain in this area would not increase flow capacity. Minor amounts of erosion can be found in the drain banks which have likely been caused from varying water levels. The drain banks are well vegetated in this area, and no major concerns were found that requires work in this section of the drain.

The portion of the 4th Concession Drain from Station 0+750 to 1+180 is in good condition and will not require any drainage improvements. The drain banks in this area appear to be stable and well vegetated. Furthermore, no drainage concerns from landowners were raised at the on-site meeting for this portion of the drain.

Proceeding upstream in the easterly direction from Station 1+180 to the upstream limit of the drain at Station 6+092, the drain is extremely vegetated with brush and trees that require removal. The drain bottom has good gradient for this length of the drain; however, it is obstructed with sediment and will require cleanout. The drain banks appear to be stable but require regrading in some areas due to steep side slopes.

All of the road crossings and access culverts were visually examined during the course of our survey. Our assessment identified the conditions of each culvert and which ones will require immediate repair.

Specific culvert numbers have been designated for ease of reference between the specifications and the drawings. The locations, dimensions, condition and use of each culvert are as follows:

Culvert No. 1: Stations 0+913 to 0+927 – Disputed Road

From Stations 0+913 to 0+927, a 14.0 m length of precast concrete box culvert with a span of 5.3 m and a height of 2.9 m provides for a road crossing at Disputed Road. End treatment for this culvert consists of precast lock block head walls. This concrete box culvert is in good structural condition and has stable end treatment. The culvert provides sufficient hydraulic capacity and its invert elevations conform to the design gradeline of the open drain.

Culvert No. 2: Stations 1+059.4 to 1+066 – Roll No. 270-33700

From Stations 1+059.4 to 1+066, a 6.6 m length of concrete box culvert with a span of 5.0 m and a height of 2.54 m provides access to the property with Roll No. 270-33700. The concrete box culvert is in good structural condition and consists of stable vertical concrete jute bag end treatment. The culvert provides sufficient hydraulic capacity and its invert elevations conform to the design gradeline of the open drain.

Culvert No. 3: Stations 1+134.1 to 1+140 – Roll No. 270-33500

From Stations 1+134.1 to 1+140, a 5.9m length of steel bridge provides access to the property with Roll No. 270-33500. The bridge is comprised of steel columns, pile driven into the drain banks with steel girders supporting the bridge deck. The bridge is in good structural condition and does not impede with the hydraulic capacity of the drain.

Culvert No. 4: Stations 2+600 to 2+622 – Broderick Road

From Stations 2+600 to 2+622, a 22.0 m length of precast concrete box culvert with a span of 3.05 m and a height of 2.44 m provides for a road crossing at Broderick Road. The concrete box culvert is in good structural condition and consists of stable sloping rip-rap end treatment. Its invert elevations conform to the design gradeline of the open drain; however, this culvert is deficient in hydraulic capacity by current design standards. Accumulation of sediment has occurred in this culvert and will require cleanout.

Culvert No. 5: Stations 2+862.7 to 2+869 – Roll No. 280-03500

From Stations 2+862.7 to 2+869, two 6.3m lengths of 1800mm (70”) and 1200mm (47”) diameter Corrugated Steel Pipes with sloping rip-rap end treatment provide a farm crossing for the property with Roll No. 280-03500. The culverts are deficient in structural condition and hydraulic capacity by current design standards.

Culvert No. 6: Stations 3+953 to 3+967 – Huron Church Line Road

From Stations 3+953 to 3+967, a 14.0 m length of precast concrete box culvert with a span of 3.05 m and a height of 2.13 m provides for a road crossing at Huron Church Line Road. The concrete box culvert is in good structural condition and consists of stable vertical gabion basket end walls. Its invert elevations conform to the design gradeline of the open drain; however, this culvert will require cleanout to achieve sufficient hydraulic capacity by current design standards.

Culvert No. 7: Stations 4+250 to 4+262 – Roll No. 280-13000

From Stations 4+250 to 4+262, a 12.0 m length of 1800mm (70”) diameter Corrugated Steel Pipe with no end treatment serves as a crossing to access a portion of the property with Roll No. 280-13000. This culvert is in good structural condition; however, it is deficient in hydraulic capacity by current design standards.

Culvert No. 8 – Stations 4+352 to 4+379.5 – Howard Avenue

From Stations 4+352 to 4+379.5, a 27.5 m length of an open bottom concrete box culvert with a span of 3.05 m and a height of 1.82 m from top of footing provides for a road crossing at Howard Avenue. The concrete box culvert is in good structural condition and consists of stable sloping rip-rap end treatment. The culvert provides sufficient hydraulic capacity and its invert elevations conform to the design gradeline of the open drain. Accumulation of sediment has occurred in this culvert and will require a minor cleanout.

Culvert No. 9 – Stations 5+954 to 5+960 – Roll No. 450-37000

From Stations 5+954 to 5+960, a 6.0m length of an open bottom concrete box culvert with a span of 2.45 m and a height of 1.83 m from top of footing provides a farm crossing for the property with Roll No. 450-37000. The concrete box culvert is in good structural condition and consists of no end treatment. The culvert provides sufficient hydraulic capacity and its invert elevations conform to the design gradeline of the open drain.

Culvert No. 10 – Stations 6+084 to 6+091.8 – Holden Road

From Stations 6+084 to 6+091.8, a 7.8m length of an open bottom concrete box culvert with a span of 2.4 m and a height of 2.17 m from top of footing provides for a road crossing at Holden Road. End treatment for this culvert consists of cast-in-place headwalls. This concrete box culvert has several cracked, delaminated and spalled areas and will need to be monitored by the Town of Tecumseh for future repair or replacement. The culvert provides sufficient hydraulic capacity and its invert elevations conform to the design gradeline of the open drain.

7.0 LANDOWNER REQUEST

The owner of Roll No. 280-13000 had requested for an enclosure of a portion of the 4th Concession Drain located on their property. A meeting was held with the landowner to discuss the cost of the drain enclosure as well as a cheaper alternative. This alternative consisted of rerouting the 4th Concession drain around the perimeter of the property. Due to the high costs associated with these options, the owner has elected to proceed with the design outlined in this report.

8.0 RECOMMENDATIONS

Based on our review of the history, the information obtained during the on-site meeting, subsequent discussions with the landowners and the Towns, a review of the survey data and our detailed analyses and designs, we recommend the following:

- a) That the Holden Outlet Drain, which is an upstream extension of the 4th Concession Drain in the Town of Tecumseh be renamed as part of the 4th Concession Drain.
- b) The removal and disposal of brush and trees from the entire length of the 4th Concession Drain except from Stations 0+000 to 1+180, where the drain is in good condition. This work shall be completed in accordance with Fisheries and Oceans Canada (DFO) requirements and recommendations as outlined in Section 16.
- c) The grading of the drain banks and profile of the 4th Concession Drain as shown on the attached drawings. Any material excavated from the drain shall be spread evenly on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6") on the same side as the working corridor. For residential properties abutting the drain, spreading of excavated material will not be permitted.
- d) The seeding and mulching of the drain banks where they have been regraded and disturbed.

- e) For the purposes of future maintenance, an 8.0 metre wide working corridor shall be established along the 4th Concession Drain in the following order:

Stations:	Location:
0+000 to 0+750	North side (access from 8275 Disputed Road)
0+750 to 0+913	South Side (access from 8315 Disputed Road)
0+913 to 1+180	To be established in the field by the Drainage Superintendent in consultation with the Road Authority
1+180 to 1+575	North Side (access from 8525 Broderick Road)
1+575 to 2+601	South Side (access from Broderick Road)
2+621 to 3+360	South Side (access from Broderick Road)
3+360 to 3+948	North Side (access from Huron Church Line Road)
3+972 to 4+350	South Side (access from 6335 Howard Avenue)
4+396 to 6+080	North Side (access from Howard Avenue and Holden Road)

- f) We have completed a detailed hydrological analysis of the watershed and examination of each culvert in the 4th Concession Drain. Our findings and the works recommended at each site are as follows:

Culvert No. 1: Stations 0+913 to 0+927 – Disputed Road

We recommend that the 14.0 m length of precast concrete box culvert with a span of 5.3 m and a height of 2.9 m providing for a road crossing at Disputed Road remains in the drain at this time. When the structural condition of the culvert becomes inadequate in the future, replacement of this culvert will be carried out by the Town of LaSalle.

Culvert No. 2: Stations 1+059.4 to 1+066 – Roll No. 270-33700

We recommend that the 6.6 m length of concrete box culvert with a span of 5.0 m and a height of 2.54 m providing access to the property with Roll No. 270-33700 remains in the drain at this time. When the structural condition of the culvert becomes inadequate in the future, replacement of this culvert will be carried out as a work of future maintenance.

Culvert No. 3: Stations 1+134.1 to 1+140 – Roll No. 270-33500

We recommend that the 5.9m length of steel bridge providing access to the property with Roll No. 270-33500 remains in the drain at this time. When the structural condition of the culvert becomes inadequate in the future, replacement of this culvert will be carried out as a work of future maintenance. We recommend that the future replacement structure, sized to a 10-year flow rate, consists of a precast concrete box culvert with a span of 4877mm and height of 2438mm installed at minimum 300mm embedment depth.

Culvert No. 4: Stations 2+600 to 2+622 – Broderick Road

We recommend that the 22.0 m length of precast concrete box culvert with a span of 3.05 m and a height of 2.44 m providing for a road crossing at Broderick Road remains in the drain at

this time. We recommend that the culvert is cleaned out to the profile shown on the design drawings. When the structural condition of the culvert becomes inadequate in the future or should it need replacement in the opinion of the Drainage Superintendent, replacement of this culvert will be carried out by the Town of Lasalle. We recommend that that the future replacement structure, sized to a 25-year flow rate, consists of a precast concrete box culvert with a span of 3962mm and height of 2438mm installed at minimum 300mm embedment depth.

Culvert No. 5: Stations 2+862.7 to 2+869 – Roll No. 280-03500

We recommend that the two 6.3m lengths of 1800mm (70") and 1200mm (47") diameter Corrugated Steel Pipes with sloping rip-rap end treatment providing for a farm crossing for the property with Roll No. 280-03500 be removed and replaced immediately. We recommend that the replacement structure, sized to a 10-year flow rate, consists of two 12.0m lengths of 2000mm diameter corrugated steel pipes installed at 10% embedment depth. Culvert end treatment shall consist of sloping rip-rap erosion protection. Should the property owner want the existing pipes left on-site for his salvage, the pipe shall be carefully removed and cleaned of sediment by the Contractor.

Culvert No. 6: Stations 3+953 to 3+967 – Huron Church Line Road

We recommend that the 14.0 m length of precast concrete box culvert with a span of 3.05 m and a height of 2.13 m providing for a road crossing at Huron Church Line Road remains in the drain at this time. However, we recommend that the culvert is cleaned out to the profile shown on the design drawings. When the structural condition of the culvert becomes inadequate in the future, replacement of this culvert will be carried out by the County of Essex.

Culvert No. 7: Stations 4+250 to 4+262 – Roll No. 280-13000

We recommend that the 12.0 m length of 1800mm (70") diameter Corrugated Steel Pipe providing access to a portion of the property with Roll No. 280-13000 be removed and replaced immediately. We recommend that the replacement structure, sized to a 10-year flow, consists of a 12.0m length of 2500x1830mm corrugated steel pipe arch installed at 10% embedment depth. Sloping rip-rap erosion protection shall be used as the culvert end treatment. Should the property owner want the existing pipe left on-site for his salvage, the pipe shall be carefully removed and cleaned of sediment by the Contractor.

Culvert No. 8 – Stations 4+352 to 4+379.5 – Howard Avenue

We recommend that the 27.5 m length of an open bottom concrete box culvert with a span of 3.05 m and a height of 1.82 m from top of footing providing for a road crossing at Howard Avenue remains in the drain at this time. We recommend that the culvert is cleaned out to the profile shown on the design drawings. When the structural condition of the culvert becomes inadequate in the future, replacement of this culvert will be carried out by the County of Essex in consultation with the Town of Tecumseh. We recommend that the future replacement structure, sized to a 25-year flow, consists of a precast concrete box culvert with a span of 3353mm and height of 1829mm installed at minimum 300mm embedment depth.

Culvert No. 9 – Stations 5+954 to 5+960 – Roll No. 450-37000

We recommend that the 6.0m length of an open bottom concrete box culvert with a span of 2.45 m and a height of 1.83 m from top of footing providing a farm crossing for the property with Roll No. 450-37000 remains in the drain at this time. When the structural condition of the culvert becomes inadequate in the future, replacement of this culvert will be carried out as a work of future maintenance. We recommend that the future replacement structure, sized to a 10-year flow, consists of a precast concrete box culvert with a span of 2743mm and height of 1524mm installed at minimum 300mm embedment depth.

Culvert No. 10 – Stations 6+084 to 6+091.8 – Holden Road

We recommend that the 7.8 m length of an open bottom concrete box culvert with a span of 2.4 m and a height of 2.17 m from top of footing providing for a road crossing at Holden Road remains in the drain at this time. We recommend that the culvert is cleaned out to the profile shown on the design drawings. When the structural condition of the culvert becomes inadequate in the future, replacement of this culvert will be carried out by the Town of Tecumseh. We recommend that the future replacement structure, sized to a 10-year flow, consists of a precast concrete box culvert with a span of 2438mm and height of 2438mm installed at minimum 300mm embedment depth.

- g) That proper sediment control measures be implemented during construction.
- h) The provision of a schedule of assessment for the work recommended under this report on the 4th Concession Drain.
- i) The provision of a schedule of assessment for the cost of any future repair/maintenance works or culvert repair/replacement carried out on the 4th Concession Drain in the Town of LaSalle.
- j) The provision of a schedule of assessment for the cost of any future repair/maintenance works or culvert repair/replacement carried out on the 4th Concession Drain in the Town of Tecumseh.
- k) We recommend that these works be completed, and the related costs be assessed under the provisions of the Drainage Act.
- l) We are not aware of any tile outlet pipe replacements required during construction. If private tile drains are encountered that require new tile outlet pipes, the Drainage Superintendent may direct the Contractor to install those pipes. Payment will be on a unit price basis at the unit price bid in the tender documents.

9.0 DRAWINGS AND SPECIFICATIONS

As part of this report, we have attached design drawings for the proposed repair and improvement of the 4th Concession Drain. There is a set of 19 drawings showing:

- a) A watershed plan indicating the drainage area boundary for the 4th Concession Drain;
- b) Drainage area blow-ups showing parcel numbers;
- c) A profile drawing for the municipal drain;
- d) Typical cross-sections for the work; and,
- e) Culvert replacement drawings and details.

Also attached as **Appendix ‘B’** are:

- a) **‘Special Provisions’** for the construction which set out specifications and construction details for the various aspects of the required works to be conducted under this report;
- b) **‘General Specifications for Open Drains’**; and,
- c) **‘Environmental Protection Special Provisions’**.

10.0 DESCRIPTION OF PROPOSED WORK

The proposed work involves the brushing and tree removal from stations 1+180 to 6+084. The drain banks and bottom also require regrading per the profile and cross-sections attached to this report. As per DFO’s recommendations, only one side of the drain shall be brushed and regraded to reduce the impact on fish habitat and fish species at risk. After the drain banks have been regraded, they shall be mulched and seeded to provide natural habitat and bank stability.

The works further consist of replacement of culverts in two different locations. Any brush and tree removal from the entire project are to be removed and deposited off-site. The excavated native material from the drain banks shall be spread evenly on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6”). Allowances for the land used are described in Section 11 of this report.

11.0 ALLOWANCES

In accordance with Section 29 of The Drainage Act, allowances for the use of the land required to construct the drainage works may be made. In this particular case, no net loss of land will result from the work. Maintenance corridors will be established along the entire length of the drain for temporary or future maintenance access to the working space.

In accordance with Section 30 of The Drainage Act, we determined the amounts to be paid to the owners of the adjoining lands along the course of the work, for damages to lands and crops (if any) occasioned by the recommended construction of the drainage works, tree removal and brushing, and by the disposal of excess excavated material.

The designated working corridors and access corridors shall be made available for the construction recommended in this report and in the future to permit maintenance to be carried out.

Materials excavated from the municipal drain shall be disposed of as set out in the Special Provisions in Appendix ‘B’. Any material excavated from the drain shall be spread evenly on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6”) on the same side as the working corridor. For residential properties abutting the drain, spreading of excavated material will not be permitted.

For residential areas that will be used as access corridors and working corridors, damage allowances are based upon an amount of approximately \$1,977 per hectare (\$800 per acre).

For agricultural areas that will be used as access corridors, working corridors, and spreading of excavated material, damage allowances are based upon an amount of approximately \$5,931 per hectare (\$2,400 per acre).

These amounts are shown in the following Schedule of Allowances, under the heading “Damages”.

SCHEDULE OF ALLOWANCES – TOWN OF LASALLE

Parcel No.	Roll No.	Con.	Lot or Part Lot	Owner	Land	Damages	Total
295	270-02900	CON 3	PT LOT 6		-	\$ 1,690	\$ 1,690
77	270-03100	CON 3	PT LOT 6		-	\$ 2,483	\$ 2,483
80	270-03350	CON 3	PT LOT 6		-	\$ 25	\$ 25
301	270-04900	CON 3	PT LOT 6		-	\$ 5,782	\$ 5,782
303	270-05500	CON 3	PT LOT 6		-	\$ 8,010	\$ 8,010
317	280-03500	CON 3	PT LOT 6		-	\$ 8,768	\$ 8,768
318	280-04110	CON 4	PT LOT 5		-	\$ 1,118	\$ 1,118
325	280-10000	CON 4	PT LOT 4 & 5		-	\$ 5,858	\$ 5,858
187	280-11200	CON 8	PT LOT 1		-	\$ 9	\$ 9
188	280-11400	CON 8	PT LOT 1		-	\$ 180	\$ 180
189	280-11500	CON 8	PT LOT 1		-	\$ 93	\$ 93
203	280-12900	CON 8	PT LOT 1		-	\$ 112	\$ 112
204	280-13000	CON 8	PT LOT 1		-	\$ 191	\$ 191
205	280-13100	CON 8	PT LOT 1		-	\$ 11	\$ 11
				TOTAL ALLOWANCES =	-	\$ 34,330	\$ 34,330

SCHEDULE OF ALLOWANCES – TOWN OF TECUMSEH

Parcel No.	Roll No.	Con.	Lot or Part Lot	Owner	Land	Damages	Total
366	450-01600	CON 5 N	PT LOT 4 RP		-	\$ 3,975	\$ 3,975
340	450-01810	CON 5	PT LOT 5 RP		-	\$ 7,790	\$ 7,790
235	450-03400	CON 5	PT LOT 5 RP		-	\$ 180	\$ 180
346	450-03700	CON 5 E	PT LOT 5		-	\$ 6,855	\$ 6,855
				TOTAL ALLOWANCES =	-	\$ 18,800	\$ 18,800

12.0 ESTIMATE OF COSTS

Our estimate of the total cost of the proposed work, including the cost of the engineer's report and all incidental expenses, is made up as follows:

PART 'A' – Station 0+000 to 1+180

INCIDENTALS – PART 'A'

Survey, report, estimate, specifications and drawings	\$ 29,100.00
SUBTOTAL FOR INCIDENTALS – PART 'A'	\$ 29,100.00
H.S.T. ON INCIDENTALS (1.76% NET)	\$ 510.00
TOTAL FOR INCIDENTALS – PART 'A' (including net H.S.T.)	\$ 29,610.00
TOTAL ESTIMATED COST – PART 'A'	\$ 29,610.00

PART 'B' – Station 1+180 to 2+600

CONSTRUCTION ITEMS – PART 'B'

1. Brushing, removal, and off-site disposal of deleterious materials including wood chips, leaves, miscellaneous debris and deadfalls / dead trees, being anything broken or lying down on the ground along drain bottom and drain banks as required.	\$ 34,000.00
2. Close cut removal of selected trees. The contractor shall dispose of the trees off-site along with any tree mulch.	\$ 16,000.00
3. Remove and dispose of existing tree root balls within maintenance corridor at an offsite disposal area arranged for by the Contractor at their own expense. Root balls within the existing drain banks shall remain wherever possible in accordance with new profile and cross-sections.	\$ 23,000.00
4. Excavation along banks and drain bottom (Stations 1+180 to 2+600) to grades shown on profile and cross-sections as required including spreading of material on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6"). (Approximately 5,400 cubic metres)	\$ 108,000.00
5. Supply and place seeding and mulching to all disturbed areas along drain bank and working areas as required. (Approximately 10,000m ²)	\$ 50,000.00
6. Supply and place quarried rock erosion protection (300mm thick) using 150mm-230mm diameter stone including placement of geotextile non-woven filter fabric. (Approximately 50m ²)	\$ 1,375.00

7. Construct sediment trap per OPSD 219.220 including rock flow check dam at Station 1+200.	\$	2,500.00
8. Silt control	\$	2,500.00
9. Maintenance/diversion of water flows during all drainage work construction.	\$	5,000.00
SUB TOTAL FOR CONSTRUCTION – PART ‘B’	\$	242,375.00
H.S.T. ON CONSTRUCTION (1.76% NET)	\$	4,265.00
TOTAL FOR CONSTRUCTION – PART ‘B’ (including net H.S.T.)	\$	246,640.00

INCIDENTALS – PART ‘B’

Allowances under Section 30	\$	17,990.00
Survey, report, estimate, specifications and drawings	\$	35,000.00
Contract administration and inspection	\$	15,000.00
Cost portion of ERCA Permit fee	\$	285.00
Contingency allowance	\$	20,000.00
SUBTOTAL FOR INCIDENTALS – PART ‘B’	\$	88,275.00
H.S.T. ON INCIDENTALS (1.76% NET)	\$	1,555.00
TOTAL FOR INCIDENTALS – PART ‘B’ (including net H.S.T.)	\$	89,830.00
TOTAL ESTIMATED COST – PART ‘B’	\$	336,470.00

PART ‘C’ – Station 2+600 to 4+352

CONSTRUCTION ITEMS – PART ‘C’

1. Brushing, removal, and off-site disposal of deleterious materials including wood chips, leaves, miscellaneous debris and deadfalls / dead trees, being anything broken or lying down on the ground along drain bottom and drain banks as required.	\$	28,000.00
2. Close cut removal of selected trees. The contractor shall dispose of the trees off-site along with any tree mulch.	\$	20,250.00
3. Remove and dispose of existing tree root balls within maintenance corridor at an offsite disposal area arranged for by the Contractor at their own expense. Root balls within the existing drain banks shall remain wherever possible in accordance with new profile and cross-sections.	\$	18,000.00

4. Excavation along banks and drain bottom (Station 2+622 to 3+953 and Station 3+967 to 4+352) to grades shown on profile and cross-sections including spreading of material on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6"). (Approximately 3,100 cubic metres)	\$	62,000.00
5. Excavation along drain bottom within existing culverts to grades shown on profile and cross-sections as required including spreading of material on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6").		
a) Culvert #4 – Stations 2+600 to 2+622	\$	1,500.00
b) Culvert #6 – Stations 3+953 to 3+967	\$	1,000.00
6. Supply and place seeding and mulching to all disturbed areas along drain bank and working areas as required. (Approximately 10,000m ²)	\$	50,000.00
7. Supply and place quarried rock erosion protection (300mm thick) using 150mm-230mm diameter stone including placement of geotextile non-woven filter fabric. (Approximately 50m ²)	\$	1,375.00
8. Culvert No. 5 – Supply and install new culvert at Station 2+866:		
a) Removal of existing 1200mm and 1800mm diameter corrugated steel pipes including the existing headwall materials. Price to include offsite disposal or salvage of culverts as requested by Landowner.	\$	3,000.00
b) Supply to site 24 metres (two pipes at 12m lengths) of 2000 mm diameter Hel-Cor corrugated steel pipe 2.8 mm thick (12 gauge) wall thickness, aluminized steel Type II with 125 mm x 25 mm corrugation profile with rolled annular ends and required couplers.	\$	21,600.00
c) Supply labour and equipment to excavate for and install specified pipe including all drain excavation and disposal of surplus material, being approximately 75 cubic metres.	\$	11,000.00
d) Supply, place and compact all clear stone material for pipe bedding (150mm thick), being approximately 25 tonnes.	\$	1,250.00
e) Supply, place and compact all granular 'B' Type II material for bedding and backfill to access road sub-grade, being approximately 200 tonnes.	\$	8,000.00
f) Supply, place and compact all granular 'A' material for access road base up to finish road grade, being approximately 65 tonnes.	\$	2,600.00
g) Supply and place quarried rock erosion protection end treatment (300mm thick) using 150mm-230mm diameter stone at both ends of pipe including placement of geotextile non-woven filter fabric, being approximately 60 square metres.	\$	1,650.00
9. Culvert No. 7 – Supply and install new culvert at Station 4+257:		
a) Removal of existing 1800mm diameter corrugated steel pipe including the existing quarried rock end treatments. Price to include offsite disposal or salvage of culvert as requested by Landowner.	\$	3,000.00

b) Supply to site 12 metres of 2500 mm x 1830 mm corrugated steel pipe arch, 2.8 mm thick (12 gauge) wall thickness, aluminized steel Type II with 125 mm x 25 mm corrugation profile with rolled annular ends and required couplers.	\$	14,400.00
c) Supply labour and equipment to excavate for and install specified pipe including all drain excavation and disposal of surplus material, being approximately 25 cubic metres.	\$	7,500.00
d) Supply, place and compact all clear stone material for pipe bedding (150mm thick), being approximately 15 tonnes.	\$	750.00
e) Supply, place and compact all granular 'B' Type II material for bedding and backfill to access road sub-grade, being approximately 160 tonnes.	\$	6,400.00
f) Supply, place and compact all granular 'A' material for access road base up to finish road grade, being approximately 50 tonnes.	\$	2,000.00
g) Supply and place quarried rock erosion protection end treatment (300mm thick) using 150mm-230mm diameter stone at both ends of pipe including placement of geotextile non-woven filter fabric, being approximately 40 square metres.	\$	1,100.00
10. Silt control	\$	2,500.00
11. Maintenance/diversion of water flows during all drainage work construction.	\$	5,000.00
SUB TOTAL FOR CONSTRUCTION – PART 'C'	\$	273,875.00
H.S.T. ON CONSTRUCTION (1.76% NET)	\$	4,820.00
TOTAL FOR CONSTRUCTION – PART 'C' (including net H.S.T.)	\$	278,695.00
<u>INCIDENTALS – PART 'C'</u>		
Allowances under Section 30	\$	16,340.00
Survey, report, estimate, specifications and drawings	\$	43,200.00
Contract administration and inspection	\$	15,000.00
Cost portion of ERCA Permit fee	\$	295.00
Contingency allowance	\$	20,000.00
SUBTOTAL FOR INCIDENTALS – PART 'C'	\$	94,835.00
H.S.T. ON INCIDENTALS (1.76% NET)	\$	1,670.00
TOTAL FOR INCIDENTALS – PART 'C' (including net H.S.T.)	\$	96,505.00
TOTAL ESTIMATED COST – PART 'C'	\$	375,200.00

PART 'D' – Station 4+352 to 6+092

CONSTRUCTION ITEMS – PART 'D'

1. Brushing, removal, and off-site disposal of deleterious materials including wood chips, leaves, miscellaneous debris and deadfalls / dead trees, being anything broken or lying down on the ground along drain bottom and drain banks as required.	\$	35,250.00
2. Close cut removal of selected trees. The contractor shall dispose of the trees off-site along with any tree mulch.	\$	21,750.00
3. Remove and dispose of existing tree root balls within maintenance corridor at an offsite disposal area arranged for by the Contractor at their own expense. Root balls within the existing drain banks shall remain wherever possible in accordance with new profile and cross-sections.	\$	24,000.00
4. Excavation along banks and drain bottom (Stations 4+379.5 to 6+084) to grades shown on profile and cross-sections including spreading of material on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6"). (Approximately 3,200 cubic metres)	\$	64,000.00
5. Excavation along drain bottom within existing culvert to grades shown on profile and cross-sections as required including spreading of material on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6").		
a) Culvert #8 – Stations 4+352 to 4+379.5	\$	1,500.00
6. Supply and place seeding and mulching to all disturbed areas along both banks and working areas as required. (Approximately 8,250m ²)	\$	41,250.00
7. Supply and place quarried rock erosion protection (300mm thick) using 150mm-230mm diameter stone including placement of geotextile non-woven filter fabric. (Approximately 50m ²)	\$	1,375.00
8. Silt control	\$	2,500.00
9. Maintenance/diversion of water flows during all drainage work construction.	\$	5,000.00
SUB TOTAL FOR CONSTRUCTION – PART 'D'	\$	196,625.00
H.S.T. ON CONSTRUCTION (1.76% NET)	\$	3,460.00
TOTAL FOR CONSTRUCTION – PART 'D' (including net H.S.T.)	\$	200,085.00

INCIDENTALS – PART 'D'

Allowances under Section 30	\$	18,800.00
Survey, report, estimate, specifications and drawings	\$	42,700.00
Contract administration and inspection	\$	15,000.00

Cost portion of ERCA Permit fee	\$ 220.00
Contingency allowance	\$ 20,000.00
SUBTOTAL FOR INCIDENTALS – PART ‘D’	\$ 96,720.00
H.S.T. ON INCIDENTALS (1.76% NET)	\$ 1,700.00
TOTAL FOR INCIDENTALS – PART ‘D’ (including net H.S.T.)	\$ 98,420.00
TOTAL ESTIMATED COST – PART ‘D’	\$ 298,505.00
GRAND TOTAL ESTIMATED PROJECT COST	\$ 1,039,785.00

The estimate provided in this report was prepared according to current materials and installation prices as of the date of this report. In the event of delays from the time of filing the report by the Engineer to the time of tendering the work, it is understood that the estimate of cost is subject to inflation. The rate of inflation shall be calculated using the Consumer Price Index applied to the cost of construction from the date of the report to the date of tendering.

13.0 UTILITIES

It may become necessary to temporarily or permanently relocate utilities that may conflict with the construction recommended under this report. If this occurs, in accordance with Section 26 of the Drainage Act, we assess any relocation cost against the public utility having jurisdiction. Under Section 69 of the Drainage Act, the public utility is at liberty to do the work with its own forces, but if it should not exercise this option within a reasonable length of time, the Municipality will arrange to have this work completed and the costs will be charged to the appropriate public utility.

14.0 ASSESSMENT

Under the Drainage Act, assessments against individual properties are normally comprised of three (3) assessment components:

- i. *Benefit (advantages relating to the betterment of lands, roads, buildings, or other structures resulting from the improvement to the drain).*
- ii. *Outlet Liability (part of cost required to provide outlet for lands and roads).*
- iii. *Special Benefit (additional work or feature that may not affect function of the drain).*

We assess the above estimated cost of the work against the affected lands and roads as shown in “Schedule A-1” under “Value of Special Benefit”, “Value of Benefit” and “Value of Outlet.” “Schedule A-1” contains Special Benefit assessments for the two access crossings recommended under this report. The Special Benefit assessments are made against the two properties served by the crossings. The remainder of the estimated cost is assessed as Benefit against the lands and roads that will derive benefit from the work, and against all of the lands and roads in the watershed in both the Town of LaSalle

and the Town of Tecumseh that use the 4th Concession Drain as an outlet. “Schedule A-1” is to be used to prorate the actual cost of all of the construction recommended in this report in both municipalities.

The Special Benefit assessments shown in Schedule ‘A-1’ were derived as follows:

1. The cost of replacing the farm crossing at Stations 2+862.7 to 2+869 (Culvert No. 5) including \$864 net GST, is estimated at \$49,964. The engineering cost associated with this culvert replacement and overhead costs is \$4,996. Therefore, the total estimated cost of the access culvert replacement is \$54,960. The replacement of this culvert is necessary since the structural integrity has become unsafe for crossing. The estimated cost of this work is assessed at 50% against the adjoining property (Roll No. 280-03500) as a “Special Benefit”, as shown in Schedule ‘A-1’. The remaining 50% shall be assessed as “Outlet” only against the lands and roads upstream of this access crossing that drain through it.
2. The cost of replacing the farm crossing at Stations 4+250 to 4+262 (Culvert No. 7) including \$619 net GST, is estimated at \$35,769. The engineering cost associated with this culvert replacement and overhead costs is \$3,577. Therefore, the total estimated cost of the access culvert replacement is \$39,346. The replacement of this culvert is necessary since it is deficient in hydraulic capacity by current design standards. The estimated cost of this work is assessed at 50% against the adjoining property (Roll No. 280-13000) as a “Special Benefit”, as shown in Schedule ‘A-1’. The remaining 50% shall be assessed as “Outlet” only against the lands and roads upstream of this access crossing that drain through it.

After assessing the part of the cost of the project that relates to the “Special Benefits”, the remainder of the costs relating to the drainage improvements has been assessed as “Benefit” and “Outlet” against the lands and roads within each drainage area as shown in Schedules ‘A-1’.

When determining “Benefit” assessments, factors such as the advantages to any lands, roads, buildings or other structures resulting from the construction, improvement, repair or maintenance of a drainage works will result in a higher market value or increased crop production or improved appearance or better control of surface or subsurface water, or any other advantages relating to the betterment of lands, roads, buildings or other structures are considered.

When determining “Outlet” assessments, factors such as area draining from each property, land use, impervious areas, storm water management facilities and other factors are considered. “Outlet” assessments are based upon the volume and rate of flow of the water artificially caused to flow into the drainage works from the lands and roads liable for such assessments.

For lands and roads outletting directly into the northerly portion of the Branch of the South Talbot Road Drain, we have assessed at a reduced rate for Outlet. As there is no physical barrier between the northern and southern portions of the drain, water from these lands may flow in either direction, particularly during rain events which cause overland flow. The reduced rate reflects that not all rain events will cause this to occur.

We consider all of the items of work recommended in this report to be pro-rateable items of work for the purposes of levying the actual final assessments.

15.0 FUTURE MAINTENANCE

15.1 Associate Drainage Superintendent

The Town of LaSalle is responsible for seeing that all of the work provided for in this report is satisfactorily completed. The Town of LaSalle must let a contract for the entire work. The Drainage Superintendent for the Town of LaSalle can administer the contract and oversee, in general, that all of the work set out in this report is carried out, but has no authority to act, or rights of property access, within the Town of Tecumseh. The Drainage Superintendent for the Town of Tecumseh shall act as an Associate Drainage Superintendent and supervise and inspect the work carried out by the Contractor within the limits of the Town of Tecumseh.

15.2 General

After completion, the portion of the 4th Concession Drain that lies in the Town of LaSalle (Stations 0+000 to 4+366) shall be maintained by the Town of LaSalle. The portion of the 4th Concession Drain that lies in the Town of Tecumseh and on the Howard Avenue property (from Stations 4+366 to 6+092) shall be maintained by the Town of Tecumseh. The work carried out under this report shall be maintained in accordance with the technical provisions of this report.

15.3 Future Maintenance (Open Drain)

Also attached to this report are "Schedule A-2" and "Schedule A-3". "Schedule A-2" is a schedule of assessment for future maintenance of the portion of the drain in the Town of LaSalle. "Schedule A-3" is a schedule of assessment for future maintenance on the portion of the drain in the Town of Tecumseh.

"Schedule A-2" and "Schedule A-3" are to be used to assess the cost of future maintenance of the portion of the drain in the respective municipalities, based upon the actual cost of the maintenance work carried in the future. The cost of the drain maintenance shall not include access culverts, farm culverts and road crossings.

The portion of the 4th Concession Drain that lies in the Town of LaSalle, with the exception of the road crossings, access crossings and farm crossings shall be maintained at the expenses of the lands and roads herein assessed in "Schedule A-2". Schedule 'A-2' is based upon an arbitrary maintenance cost of \$50,000. Future maintenance costs shall be levied pro-rata only upon the affected lands and roads that are located upstream of the maintenance works.

The portion of the 4th Concession Drain that lies in the Town of Tecumseh, with the exception of the road crossings, access crossings and farm crossings shall be maintained at the expenses of the lands and roads herein assessed in "Schedule A-3". Schedule 'A-3' is based upon an arbitrary maintenance cost of \$20,000. Future maintenance costs shall be levied pro-rata only upon the affected lands and roads that are located upstream of the maintenance works.

Furthermore, all the above provisions for the future maintenance and improvement of these culverts shall remain as noted above until otherwise determined under the provisions of the 'Drainage Act, R.S.O. 1990, Chapter D.17'.

For the purpose of future maintenance, the adjoining property owners shall provide suitable maintenance corridors along the open drain and access corridors to the site of the work, in order to permit future maintenance to be carried out. The access corridor shall have a width of at least 5m. The working corridor along the drain shall have a minimum of 8m. Details for the locations of the access and maintenance corridors are stipulated in the Special Provisions under Appendix 'B'.

15.4 Future Maintenance (Access Crossings)

All of the access culverts, farm crossings and road crossings recommended or described in this report are a part of the 4th Concession Drainage Scheme for the purpose of future maintenance of the drainage works. We recommend that the future works of repair and maintenance of the culverts be carried out by the Town of Lasalle for Culverts No. 1 to 5 and No. 7, by the Town of Tecumseh for Culvert No. 9 and No. 10, and by the County of Essex for Culverts No. 6 and No. 8. These costs are to be assessed as described in the following paragraphs.

Schedule 'A-4' represents all of the lands and roads that drain through the Culvert No. 2 in the Town of LaSalle. When calculating the outlet assessments for the cost of maintaining a particular culvert in the Town of LaSalle, only the properties or proportions of properties that drain through the culvert shall be assessed and the remainder of the properties shall be eliminated from the schedule prior to prorating the outlet assessments. The total Outlet assessments shown in Schedule 'A-4' are each based upon an arbitrary amount of \$50,000.

Schedule 'A-5' represents all of the lands and roads that drain through the Culvert No. 9 in the Town of Tecumseh. The total Outlet assessments shown in Schedule 'A-5' are each based upon an arbitrary amount of \$30,000.

Culverts No. 2, 3, 5, and 7 are access and farm crossings in the Town of LaSalle. The cost of maintaining or replacing these culverts are assessed 50% against the adjoining property provided access by the crossing. The remaining 50% of the future maintenance cost for each access crossing is assessed as "Outlet" assessments only against the lands and roads upstream of each access crossing that drains through it. The Outlet assessments for each access crossing in the Town of LaSalle shall be prorated to the assessments that remain in Schedule 'A-4' after deleting the lands and roads, or part thereof, that are located downstream of that particular access crossing.

Culvert No. 9 is a farm culvert in the Town of Tecumseh. The cost of maintaining or replacing this culvert is assessed 50% against the adjoining property provided access by the crossing. The remaining 50% of the future maintenance cost for this farm crossing is assessed as "Outlet" assessments against the upstream lands and roads. The Outlet assessments for Culvert No. 9 in the Town of Tecumseh shall be prorated to the assessments in Schedule 'A-5'.

Although there has not been any lawn piping identified in the 4th Concession Drain, any future lawn piping shall be assessed at 100% Special Benefit to the adjoining property owners.

Furthermore, all the above provisions for the future maintenance and improvement of these culverts shall remain as noted above until otherwise determined under the provisions of the 'Drainage Act, R.S.O. 1990, Chapter D.17'.

15.5 Future Maintenance (Road Crossings)

Culverts No. 1, 4, 6, 8 and 10 are road crossings. The cost of maintaining or replacing these culverts are assessed 100% against the respective Road Authority (Town of Lasalle, Town of Tecumseh or the County of Essex) as noted in the table below.

The division between Special Benefit and Outlet assessment for the future maintenance of each access crossing, farm crossing or road crossing shall be as follows:

Culvert No.	Type	Owner(s) Roll No.	Owner	Special Benefit	Outlet
1	Road Crossing	-	TOWN OF LASALLE	100%	0%
2	Access Crossing	270-03370		50%	50%
3	Access Crossing	270-03350		50%	50%
4	Road Crossing	-	TOWN OF LASALLE	100%	0%
5	Farm Crossing	280-03500		50%	50%
6	Road Crossing	-	COUNTY OF ESSEX	100%	0%
7	Access Crossing	280-13000		50%	50%
8	Road Crossing	-	COUNTY OF ESSEX	100%	0%
9	Access Crossing	450-03700		50%	50%
10	Road Crossing	-	TOWN OF TECUMSEH	100%	0%

16.0 FISHERIES ISSUES

The Federal Fisheries Act requires that no deleterious substances be introduced to fish habitat and that there be no net loss of fish habitat as a result of any undertaking. Any activities that may introduce deleterious substances or result in loss of fish habitat may require a permit from the Minister of Fisheries, Oceans and the Canadian Coast Guard.

A self-assessment of the project has been completed and an application for a DFO review was submitted. A DFO review was completed and a copy of the DFO review response is included in "Appendix D". To avoid and mitigate the potential for serious harm to fish, DFO recommends implementation of the measures listed below:

- Conduct work outside the spring and fall timing window (i.e., no in-water work between September 15 to July 15), except when work can be completed in the dry.
- Conduct all work in the dry.
- Leave vegetation undisturbed on one bank except in residential areas.
- Reseed and/or replant any disturbed banks caused by the construction activities with suitable native species.
- Install a sediment trap near the downstream extent of the work zone.
- Install appropriate sediment erosion controls downstream of construction activities (e.g., silt curtain, straw-bale check dam, rock check dam etc.).
- New or replaced culvert crossings should be able to maintain 50% fish passage for average sized Northern pike during a 2-year flood event. Maximum culvert velocities and swim distances can be calculated using the tool at: <http://www.fishprotectiontools.ca/distancevelocity.html>

Provided that the above measures are followed by the Contractor, DFO is of the view that the proposed work will not result in serious harm to fish or prohibited effects on listed aquatic species at risk. As such, an authorization under the Fisheries Act or a permit under the Species at Risk Act are not required.

The Contractor will be responsible to meet the other requirements of federal, provincial and municipal agencies. In addition, the Environmental Specifications attached to this report provides appropriate avoidance and mitigation measures for the Contractor to adhere to.

17.0 GRANTS

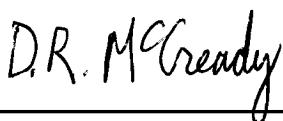
In accordance with the provisions of Sections 85, 86 and 87 of the Drainage Act, a grant in the amount of 33–1/3 percent of the assessment eligible for a grant may be made in respect to the assessment made under this report upon privately owned lands used for agricultural purposes. The assessments levied against privately owned agricultural land must also satisfy all other eligibility criteria set out in the Agricultural Drainage Infrastructure Program policies. There are assessed properties that are privately owned lands used for agricultural purposes and are eligible for grant under the A.D.I.P. policies in the 4th Concession Drain watershed. We recommend that application be made to the Ontario Ministry of Agriculture and Food in accordance with Section 88 of the Drainage Act, for this grant, as well as for all other grants for which this work may be eligible.

Although there are agricultural properties identified as “grantable” in the assessment schedules, which may qualify for agricultural grant from the Ministry of Agriculture, Food and Rural Affairs (OMAFRA) according to current ADIP policies, it should be noted that there is no guarantee that the grant will be approved by OMAFRA or that the grants will be available in the future. Any denial of grant from OMAFRA could result in the recuperation of the grant amount from the affected lands.

All of which is respectfully submitted.

RC SPENCER ASSOCIATES INC.

PREPARED BY:



Dennis R. McCready, B.A.Sc., P.Eng.

Appointed Engineer
August 5, 2022



REVIEWED BY:



Shane LaFontaine, M.Eng., P.Eng.

August 5, 2022



APPENDIX 'A'

SCHEDULES OF ASSESSMENT

SCHEDULE A-1 - Schedule of Assessment for Construction

**SCHEDULE A-2 - Schedule of Assessment for Future Maintenance
in the Town of LaSalle**

**SCHEDULE A-3 - Schedule of Assessment for Future Maintenance
in the Town of Tecumseh**

**SCHEDULE A-4 - Schedule of Assessment for Future Maintenance of Culverts
in the Town of LaSalle**

**SCHEDULE A-5 - Schedule of Assessment for Future Maintenance of Culverts
in the Town of Tecumseh**

**REPAIR AND IMPROVEMENT OF THE 4TH CONCESSION DRAIN
TOWN OF LASALLE & TOWN OF TECUMSEH**

**SCHEDULE A-1
SCHEDULE OF ASSESSMENT FOR CONSTRUCTION**

**4TH CONCESSION DRAIN IN THE
TOWN OF LASALLE AND THE TOWN OF TECUMSEH**

ASSESSMENTS IN THE TOWN OF LASALLE

1) MUNICIPAL ROADS IN THE TOWN OF LASALLE								
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
1	Kelly Road	-	3.200	Town of Lasalle	\$ -	\$ 286.00	\$ -	\$ 286.00
2	Disputed Road	-	5.666	Town of Lasalle	\$ -	\$ 508.00	\$ -	\$ 508.00
3	Broderick Road	-	5.488	Town of Lasalle	\$ -	\$ 7,571.00	\$ -	\$ 7,571.00
4	Eighth Concession Road	-	1.012	Town of Lasalle	\$ -	\$ 1,830.00	\$ -	\$ 1,830.00
8	County Road 7 (Huron Church Line Road)	-	4.380	County of Essex	\$ -	\$ 12,078.00	\$ -	\$ 12,078.00
9	County Road 8 (Townline Road)	-	1.300	County of Essex	\$ -	\$ 116.00	\$ -	\$ 116.00
Total Affected Lands (Hectares)			21.046					
Total Assessment on Municipal Roads					\$ -	\$ 22,389.00	\$ -	\$ 22,389.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
13	170-08000	CON 2	PT LOT 9	0.810	0.810		\$ -	\$ 26.00	\$ -	\$ 26.00
14	170-08050	CON 2	PT LOT 9	0.809	0.809		\$ -	\$ 26.00	\$ -	\$ 26.00
15	170-08200	CON 2	PT LOT 10	0.428	0.428		\$ -	\$ 15.00	\$ -	\$ 15.00
16	170-08300	CON 2	PT LOT 10 & 11	5.303	5.303		\$ -	\$ 64.00	\$ -	\$ 64.00
17	170-08400	CON 2	PT LOT 11	0.466	0.466		\$ -	\$ 17.00	\$ -	\$ 17.00
18	170-08410	CON 2	PT LOT 11	0.232	0.232		\$ -	\$ 12.00	\$ -	\$ 12.00
19	170-08500	CON 2	PT LOT 12	0.399	0.399		\$ -	\$ 16.00	\$ -	\$ 16.00
20	180-26800	CON 2	PT LOT 12	1.335	1.335		\$ -	\$ 38.00	\$ -	\$ 38.00
21	180-26950	CON 2	PT LOT 12	0.709	0.078		\$ -	\$ 4.00	\$ -	\$ 4.00
22	260-00310	CON 3	PT LOT 4	1.030	1.030		\$ -	\$ 32.00	\$ -	\$ 32.00
23	260-00400	CON 3	PT LOT 5	0.826	0.826		\$ -	\$ 26.00	\$ -	\$ 26.00
24	260-00550	CON 3	PT LOT 5	0.809	0.809		\$ -	\$ 26.00	\$ -	\$ 26.00
25	260-00600	CON 3	PT LOT 5	0.817	0.817		\$ -	\$ 26.00	\$ -	\$ 26.00
26	260-00700	CON 3	PT LOT 5	0.421	0.421		\$ -	\$ 16.00	\$ -	\$ 16.00
27	260-00900	CON 3	PT LOT 4	0.836	0.836		\$ -	\$ 27.00	\$ -	\$ 27.00
28	260-01000	CON 3	PT LOT 4	0.733	0.733		\$ -	\$ 24.00	\$ -	\$ 24.00
29	260-01100	CON 3	PT LOT 4	0.822	0.822		\$ -	\$ 26.00	\$ -	\$ 26.00
30	260-09600	CON 3	PT LOT 3	0.397	0.397		\$ -	\$ 16.00	\$ -	\$ 16.00
31	260-09700	CON 3	PT LOT 3	0.197	0.197		\$ -	\$ 11.00	\$ -	\$ 11.00
32	260-09800	CON 3	PT LOT 3 & 4	0.353	0.353		\$ -	\$ 15.00	\$ -	\$ 15.00
33	260-09900	CON 3	PT LOT 4	0.260	0.260		\$ -	\$ 12.00	\$ -	\$ 12.00
34	260-10300	CON 3	PT LOT 4	0.198	0.198		\$ -	\$ 11.00	\$ -	\$ 11.00
35	260-10400	CON 3	PT LOT 4	0.186	0.186		\$ -	\$ 10.00	\$ -	\$ 10.00
36	260-10600	CON 3	PT LOT 4	0.186	0.186		\$ -	\$ 10.00	\$ -	\$ 10.00
37	260-10700	CON 3	PT LOT 4	0.186	0.186		\$ -	\$ 10.00	\$ -	\$ 10.00
38	260-10800	CON 3	PT LOT 4	0.139	0.139		\$ -	\$ 7.00	\$ -	\$ 7.00
39	260-11000	CON 3	PT LOT 4	0.864	0.864		\$ -	\$ 27.00	\$ -	\$ 27.00
40	260-11100	CON 3	PT LOT 4	3.094	3.094		\$ -	\$ 70.00	\$ -	\$ 70.00
41	260-11200	CON 3	PT LOT 4	0.460	0.460		\$ -	\$ 17.00	\$ -	\$ 17.00
42	260-11300	CON 3	PT LOT 5	0.239	0.239		\$ -	\$ 12.00	\$ -	\$ 12.00
43	260-11400	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 12.00	\$ -	\$ 12.00
44	260-11500	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 12.00	\$ -	\$ 12.00
45	260-11600	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 12.00	\$ -	\$ 12.00
46	260-11700	CON 3	PT LOT 5	0.368	0.368		\$ -	\$ 15.00	\$ -	\$ 15.00
47	260-11800	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 12.00	\$ -	\$ 12.00
48	260-11900	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 12.00	\$ -	\$ 12.00
49	260-12000	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 12.00	\$ -	\$ 12.00
50	260-12100	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 12.00	\$ -	\$ 12.00
51	260-12200	CON 3	PT LOT 5	0.186	0.186		\$ -	\$ 10.00	\$ -	\$ 10.00
52	270-00100	CON 3	PT LOT 8	0.414	0.414		\$ -	\$ 16.00	\$ -	\$ 16.00
53	270-00200	CON 3	PT LOT 8	0.209	0.209		\$ -	\$ 11.00	\$ -	\$ 11.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)

PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
54	270-00300	CON 3	PT LOT 8	0.209	0.209		\$ -	\$ 11.00	\$ -	\$ 11.00
55	270-00400	CON 3	PT LOT 8	0.185	0.185		\$ -	\$ 10.00	\$ -	\$ 10.00
56	270-00900	CON 3	PT LOT 8	0.186	0.186		\$ -	\$ 10.00	\$ -	\$ 10.00
57	270-01000	CON 3	PT LOT 8	0.153	0.153		\$ -	\$ 8.00	\$ -	\$ 8.00
58	270-01150	CON 3	PT LOT 8	0.518	0.518		\$ -	\$ 19.00	\$ -	\$ 19.00
59	270-01200	CON 3	PT LOT 8	0.203	0.203		\$ -	\$ 11.00	\$ -	\$ 11.00
60	270-01300	CON 3	PT LOT 8	0.938	0.938		\$ -	\$ 29.00	\$ -	\$ 29.00
61	270-01400	CON 3	PT LOT 8	0.966	0.966		\$ -	\$ 30.00	\$ -	\$ 30.00
62	270-01500	CON 3	PT LOT 8	0.811	0.811		\$ -	\$ 26.00	\$ -	\$ 26.00
63	270-01600	CON 3	PT LOT 8	0.810	0.810		\$ -	\$ 26.00	\$ -	\$ 26.00
64	270-01700	CON 3	PT LOT 8	0.809	0.809		\$ -	\$ 26.00	\$ -	\$ 26.00
65	270-01800	CON 3	PT LOT 8	0.808	0.808		\$ -	\$ 26.00	\$ -	\$ 26.00
66	270-01900	CON 3	PT LOT 8	0.806	0.806		\$ -	\$ 26.00	\$ -	\$ 26.00
67	270-02000	CON 3	PT LOT 8	0.771	0.771		\$ -	\$ 25.00	\$ -	\$ 25.00
68	270-02200	CON 3	PT LOT 7	4.265	4.265		\$ -	\$ 700.00	\$ -	\$ 700.00
69	270-02210	CON 3	PT LOT 7	0.810	0.810		\$ -	\$ 26.00	\$ -	\$ 26.00
70	270-02250	CON 3	PT LOT 7	0.810	0.810		\$ -	\$ 26.00	\$ -	\$ 26.00
71	270-02300	CON 3	PT LOT 7	1.858	1.858		\$ -	\$ 368.00	\$ -	\$ 368.00
72	270-02400	CON 3	PT LOT 7	1.854	1.854		\$ -	\$ 367.00	\$ -	\$ 367.00
73	270-02500	CON 3	PT LOT 7	2.451	2.451		\$ -	\$ 449.00	\$ -	\$ 449.00
74	270-02700	CON 3	PT LOT 7	0.837	0.837		\$ -	\$ 27.00	\$ -	\$ 27.00
75	270-02800	CON 3	PT LOT 7	0.837	0.837		\$ -	\$ 27.00	\$ -	\$ 27.00
76	270-03000	CON 3	PT LOT 6	0.940	0.940		\$ -	\$ 29.00	\$ -	\$ 29.00
77	270-03100	CON 3	PT LOT 6	2.489	2.489		\$ 2,438.00	\$ 455.00	\$ -	\$ 2,893.00
78	270-03200	CON 3	PT LOT 6	1.356	1.356		\$ -	\$ 113.00	\$ -	\$ 113.00
79	270-03300	CON 3	PT LOT 6	1.205	1.205		\$ 3,012.00	\$ 105.00	\$ -	\$ 3,117.00
80	270-03350	CON 3	PT LOT 6	1.816	1.816		\$ -	\$ 119.00	\$ -	\$ 119.00
81	270-03370	CON 3	PT LOT 6	1.816	1.816		\$ -	\$ 92.00	\$ -	\$ 92.00
82	270-03400	CON 3	PT LOT 6	3.237	3.237		\$ -	\$ 141.00	\$ -	\$ 141.00
83	270-03500	CON 3	PT LOT 6	1.734	1.734		\$ -	\$ 45.00	\$ -	\$ 45.00
84	270-03600	CON 3	PT LOT 5	0.836	0.836		\$ -	\$ 27.00	\$ -	\$ 27.00
85	270-03900	CON 3	PT LOT 5	0.186	0.186		\$ -	\$ 10.00	\$ -	\$ 10.00
86	270-04000	CON 3	PT LOT 5	0.116	0.116		\$ -	\$ 6.00	\$ -	\$ 6.00
87	270-04100	CON 3	PT LOT 5	1.284	1.284		\$ -	\$ 37.00	\$ -	\$ 37.00
88	270-04200	CON 3	PT LOT 5	0.116	0.116		\$ -	\$ 6.00	\$ -	\$ 6.00
89	270-04310	CON 3	PT LOT 5	0.809	0.809		\$ -	\$ 26.00	\$ -	\$ 26.00
90	270-04500	CON 3	PT LOT 6	0.255	0.255		\$ -	\$ 245.00	\$ -	\$ 245.00
91	270-04700	CON 3	PT LOT 6	2.382	2.382		\$ -	\$ 1,150.00	\$ -	\$ 1,150.00
92	270-04740	CON 3	PT LOT 6	10.483	10.483		\$ -	\$ 1,895.00	\$ -	\$ 1,895.00
93	270-04750	CON 3	PT LOT 6	3.639	3.639		\$ -	\$ 1,604.00	\$ -	\$ 1,604.00
94	270-04800	CON 3	PT LOT 6	0.186	0.186		\$ -	\$ 201.00	\$ -	\$ 201.00
95	270-05000	CON 3	PT LOT 6	0.139	0.139		\$ -	\$ 151.00	\$ -	\$ 151.00
96	270-05100	CON 3	PT LOT 6	0.139	0.139		\$ -	\$ 151.00	\$ -	\$ 151.00
97	270-05300	CON 3	PT LOT 6	0.748	0.748		\$ 772.00	\$ 470.00	\$ -	\$ 1,242.00
98	270-05400	CON 3	PT LOT 6	0.256	0.256		\$ 588.00	\$ 241.00	\$ -	\$ 829.00
99	270-05600	CON 3 N	PT LOT 7	0.383	0.383		\$ -	\$ 309.00	\$ -	\$ 309.00
100	270-05700	CON 3 N	PT LOT 7	0.421	0.421		\$ -	\$ 328.00	\$ -	\$ 328.00
101	270-05800	CON 3	PT LOT 7	1.047	1.047		\$ -	\$ 646.00	\$ -	\$ 646.00
102	270-05850	CON 3	PT LOT 7	0.513	0.513		\$ -	\$ 376.00	\$ -	\$ 376.00
103	270-05900	CON 3	PT LOT 7	0.513	0.513		\$ -	\$ 376.00	\$ -	\$ 376.00
104	270-06000	CON 3	PT LOT 7	0.810	0.810		\$ -	\$ 526.00	\$ -	\$ 526.00
105	270-06050	CON 3	PT LOT 7	0.195	0.195		\$ -	\$ 211.00	\$ -	\$ 211.00
106	270-06200	CON 3	PT LOT 7	0.158	0.158		\$ -	\$ 171.00	\$ -	\$ 171.00
107	270-06300	CON 3	PT LOT 7	0.275	0.275		\$ -	\$ 255.00	\$ -	\$ 255.00
108	270-06400	CON 3	PT LOT 7	0.279	0.279		\$ -	\$ 257.00	\$ -	\$ 257.00
109	270-06450	CON 3	PT LOT 7	0.188	0.188		\$ -	\$ 204.00	\$ -	\$ 204.00
110	270-06500	CON 3	PT LOT 8	0.118	0.118		\$ -	\$ 128.00	\$ -	\$ 128.00
111	270-06600	CON 3	PT LOT 8	0.105	0.105		\$ -	\$ 114.00	\$ -	\$ 114.00
112	270-06800	CON 3	PT LOT 8	0.139	0.139		\$ -	\$ 151.00	\$ -	\$ 151.00
113	270-06900	CON 3	PT LOT 8	0.139	0.139		\$ -	\$ 151.00	\$ -	\$ 151.00
114	270-07000	CON 3	PT LOT 8	0.139	0.139		\$ -	\$ 151.00	\$ -	\$ 151.00
115	270-07120	CON 3	PT LOT 8	0.724	0.724		\$ -	\$ 482.00	\$ -	\$ 482.00
116	270-07150	CON 3	PT LOT 8	0.805	0.805		\$ -	\$ 523.00	\$ -	\$ 523.00
117	270-07200	CON 3	PT LOT 8	0.406	0.406		\$ -	\$ 321.00	\$ -	\$ 321.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)

PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
118	270-07250	CON 3	PT LOT 8	0.405	0.405		\$ -	\$ 321.00	\$ -	\$ 321.00
119	270-07300	CON 3	PT LOT 8	3.979	3.979		\$ -	\$ 1,728.00	\$ -	\$ 1,728.00
120	270-07400	CON 3	PT LOT 8	0.807	0.526		\$ -	\$ 382.00	\$ -	\$ 382.00
121	270-07450	CON 3	PT LOT 8	1.213	1.213		\$ -	\$ 728.00	\$ -	\$ 728.00
122	280-01800	CON 4	PT LOT 8	0.394	0.394		\$ -	\$ 315.00	\$ -	\$ 315.00
123	280-01900	CON 4	PT LOT 8	0.415	0.415		\$ -	\$ 326.00	\$ -	\$ 326.00
124	280-02000	CON 4	PT LOT 8	0.357	0.357		\$ -	\$ 297.00	\$ -	\$ 297.00
125	280-02100	CON 4	PT LOT 8	0.443	0.443		\$ -	\$ 340.00	\$ -	\$ 340.00
126	280-02200	CON 4	PT LOT 8	0.416	0.416		\$ -	\$ 326.00	\$ -	\$ 326.00
127	280-02300	CON 4	PT LOT 7	0.369	0.369		\$ -	\$ 303.00	\$ -	\$ 303.00
128	280-02400	CON 4	PT LOT 7	0.242	0.242		\$ -	\$ 238.00	\$ -	\$ 238.00
129	280-02600	CON 4	PT LOT 7	0.134	0.134		\$ -	\$ 145.00	\$ -	\$ 145.00
130	280-02700	CON 4	PT LOT 7	0.229	0.229		\$ -	\$ 231.00	\$ -	\$ 231.00
131	280-02800	CON 4	PT LOT 7	0.229	0.229		\$ -	\$ 231.00	\$ -	\$ 231.00
132	280-02900	CON 4	PT LOT 7	0.220	0.220		\$ -	\$ 227.00	\$ -	\$ 227.00
133	280-03000	CON 4	PT LOT 7	0.744	0.744		\$ -	\$ 492.00	\$ -	\$ 492.00
134	280-03100	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 202.00	\$ -	\$ 202.00
135	280-03110	CON 4	PT LOT 7	0.229	0.229		\$ -	\$ 231.00	\$ -	\$ 231.00
136	280-03410	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 202.00	\$ -	\$ 202.00
137	280-03420	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 202.00	\$ -	\$ 202.00
138	280-03430	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 202.00	\$ -	\$ 202.00
139	280-03600	CON 4	PT LOT 6	0.140	0.140		\$ -	\$ 152.00	\$ -	\$ 152.00
140	280-03650	CON 4	PT LOT 6	0.284	0.284		\$ -	\$ 259.00	\$ -	\$ 259.00
141	280-03700	CON 4	PT LOT 6	0.140	0.140		\$ -	\$ 152.00	\$ -	\$ 152.00
142	280-03800	CON 4	PT LOT 6	0.588	0.588		\$ -	\$ 413.00	\$ -	\$ 413.00
143	280-03900	CON 4	PT LOT 6	1.249	1.249		\$ -	\$ 741.00	\$ -	\$ 741.00
144	280-04000	CON 4	PT LOT 6	0.187	0.187		\$ -	\$ 202.00	\$ -	\$ 202.00
145	280-04100	CON 4	PT LOT 5	0.187	0.187		\$ -	\$ 202.00	\$ -	\$ 202.00
146	280-04200	CON 4	PT LOT 5	0.186	0.186		\$ -	\$ 202.00	\$ -	\$ 202.00
147	280-04300	CON 4	PT LOT 5	1.220	1.220		\$ -	\$ 626.00	\$ -	\$ 626.00
148	280-04400	CON 4	PT LOT 5	0.814	0.814		\$ -	\$ 452.00	\$ -	\$ 452.00
149	280-04500	CON 4	PT LOT 5	0.814	0.814		\$ -	\$ 427.00	\$ -	\$ 427.00
150	280-04600	CON 4	PT LOT 5	0.338	0.338		\$ -	\$ 14.00	\$ -	\$ 14.00
151	280-04700	CON 4	PT LOT 5	0.452	0.452		\$ -	\$ 17.00	\$ -	\$ 17.00
152	280-04900	CON 4	PT LOT 5	0.359	0.359		\$ -	\$ 15.00	\$ -	\$ 15.00
153	280-05000	CON 4	PT LOT 5	0.360	0.360		\$ -	\$ 15.00	\$ -	\$ 15.00
154	280-05100	CON 4	PT LOT 5	0.400	0.400		\$ -	\$ 16.00	\$ -	\$ 16.00
155	280-05500	CON 4	PT LOT 5	0.188	0.188		\$ -	\$ 10.00	\$ -	\$ 10.00
156	280-05600	CON 4	PT LOT 4 & 5	0.188	0.188		\$ -	\$ 10.00	\$ -	\$ 10.00
157	280-05800	CON 4	PT LOT 4	2.033	2.033		\$ -	\$ 51.00	\$ -	\$ 51.00
158	280-05870	CON 4	PT LOT 4	1.016	1.016		\$ -	\$ 31.00	\$ -	\$ 31.00
159	280-05880	CON 4	PT LOT 4	1.015	1.015		\$ -	\$ 31.00	\$ -	\$ 31.00
160	280-05900	CON 4	PT LOT 4	0.514	0.514		\$ -	\$ 19.00	\$ -	\$ 19.00
161	280-05950	CON 4	PT LOT 4	0.515	0.515		\$ -	\$ 19.00	\$ -	\$ 19.00
162	280-05970	CON 4	PT LOT 4	0.263	0.263		\$ -	\$ 12.00	\$ -	\$ 12.00
163	280-06000	CON 4	PT LOT 3 & 4	0.144	0.144		\$ -	\$ 8.00	\$ -	\$ 8.00
164	280-06100	CON 4	PT LOT 3 & 4	0.149	0.149		\$ -	\$ 8.00	\$ -	\$ 8.00
165	280-06200	CON 4	PT LOT 4	0.149	0.149		\$ -	\$ 8.00	\$ -	\$ 8.00
166	280-06300	CON 4	PT LOT 3 & 4	0.147	0.147		\$ -	\$ 8.00	\$ -	\$ 8.00
167	280-06400	CON 4	PT LOT 3	0.142	0.142		\$ -	\$ 8.00	\$ -	\$ 8.00
168	280-06500	CON 4	PT LOT 3	0.142	0.142		\$ -	\$ 8.00	\$ -	\$ 8.00
169	280-06600	CON 4	PT LOT 3	0.277	0.277		\$ -	\$ 13.00	\$ -	\$ 13.00
170	280-06700	CON 4	PT LOT 3	0.141	0.141		\$ -	\$ 8.00	\$ -	\$ 8.00
171	280-09400	CON 4	PT LOT 4	0.617	0.617		\$ -	\$ 21.00	\$ -	\$ 21.00
172	280-09500	CON 4	PT LOT 4	0.130	0.130		\$ -	\$ 7.00	\$ -	\$ 7.00
173	280-09600	CON 4	PT LOT 4	0.854	0.854		\$ -	\$ 27.00	\$ -	\$ 27.00
174	280-09650	CON 4	PT LOT 4	0.623	0.623		\$ -	\$ 21.00	\$ -	\$ 21.00
175	280-09900	CON 4	PT LOT 4 & 5	1.710	1.710		\$ -	\$ 45.00	\$ -	\$ 45.00
176	280-10100	CON 4	PT LOT 5	0.781	0.781		\$ 2,888.00	\$ 1,002.00	\$ -	\$ 3,890.00
177	280-10200	CON 4	PT LOT 5	0.822	0.822		\$ -	\$ 1,041.00	\$ -	\$ 1,041.00
178	280-10300	CON 4	PT LOT 5 & 6	0.786	0.786		\$ -	\$ 1,006.00	\$ -	\$ 1,006.00
179	280-10400	CON 4	PT LOT 6	0.807	0.807		\$ -	\$ 1,027.00	\$ -	\$ 1,027.00
180	280-10500	CON 4	PT LOT 5 & 6	6.332	6.332		\$ 4,838.00	\$ 4,441.00	\$ -	\$ 9,279.00
181	280-10600	CON 4	PT LOT 6	0.809	0.809		\$ -	\$ 1,030.00	\$ -	\$ 1,030.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
182	280-10610	CON 4	PT LOT 6	0.888	0.888		\$ -	\$ 1,108.00	\$ -	\$ 1,108.00
183	280-10620	CON 4	PT LOT 6	0.809	0.809		\$ -	\$ 1,030.00	\$ -	\$ 1,030.00
184	280-10900	CON 8	PT LOT 1	0.823	0.823		\$ -	\$ 1,107.00	\$ -	\$ 1,107.00
185	280-11000	CON 8	PT LOT 1	0.747	0.747		\$ -	\$ 967.00	\$ -	\$ 967.00
186	280-11100	CON 8	PT LOT 1	0.901	0.901		\$ -	\$ 1,121.00	\$ -	\$ 1,121.00
187	280-11200	CON 8	PT LOT 1	0.797	0.797		\$ -	\$ 1,017.00	\$ -	\$ 1,017.00
188	280-11400	CON 8	PT LOT 1	0.953	0.953		\$ 1,565.00	\$ 1,172.00	\$ -	\$ 2,737.00
189	280-11500	CON 8	PT LOT 1	0.962	0.962		\$ 1,015.00	\$ 1,181.00	\$ -	\$ 2,196.00
190	280-11600	CON 8	PT LOT 1	1.082	1.082		\$ -	\$ 1,301.00	\$ -	\$ 1,301.00
191	280-11700	CON 8	PT LOT 1	1.202	1.202		\$ -	\$ 1,419.00	\$ -	\$ 1,419.00
192	280-11800	CON 8	PT LOT 1	0.938	0.938		\$ -	\$ 1,157.00	\$ -	\$ 1,157.00
193	280-11900	CON 8	PT LOT 1	1.279	1.279		\$ -	\$ 1,472.00	\$ -	\$ 1,472.00
194	280-12000	CON 8	PT LOT 1	0.721	0.721		\$ -	\$ 942.00	\$ -	\$ 942.00
195	280-12050	CON 8	PT LOT 1	0.611	0.611		\$ -	\$ 833.00	\$ -	\$ 833.00
196	280-12100	CON 8	PT LOT 1	1.326	1.326		\$ -	\$ 1,507.00	\$ -	\$ 1,507.00
197	280-12200	CON 8	PT LOT 1	1.260	1.260		\$ -	\$ 1,460.00	\$ -	\$ 1,460.00
198	280-12400	CON 8	PT LOT 1	0.852	0.852		\$ -	\$ 1,333.00	\$ -	\$ 1,333.00
199	280-12500	CON 8	PT LOT 1	0.815	0.815		\$ -	\$ 1,287.00	\$ -	\$ 1,287.00
200	280-12600	CON 8	PT LOT 1	0.815	0.815		\$ -	\$ 1,287.00	\$ -	\$ 1,287.00
201	280-12700	CON 8	PT LOT 1	0.815	0.815		\$ -	\$ 1,288.00	\$ -	\$ 1,288.00
202	280-12800	CON 8	PT LOT 1	0.816	0.816		\$ -	\$ 1,288.00	\$ -	\$ 1,288.00
203	280-12900	CON 8	PT LOT 1	0.937	0.937		\$ 1,075.00	\$ 1,437.00	\$ -	\$ 2,512.00
204	280-13000	CON 8	PT LOT 1	1.054	1.054		\$ 1,685.00	\$ 1,582.00	\$ 19,673.00	\$ 22,940.00
205	280-13100	CON 8	PT LOT 1	0.820	0.820		\$ -	\$ 1,293.00	\$ -	\$ 1,293.00
206	280-13200	CON 8	PT LOT 1	0.821	0.821		\$ -	\$ 1,294.00	\$ -	\$ 1,294.00
207	280-13300	CON 8	PT LOT 1	0.821	0.821		\$ -	\$ 1,294.00	\$ -	\$ 1,294.00
208	280-13400	CON 8	PT LOT 1	0.821	0.821		\$ -	\$ 1,295.00	\$ -	\$ 1,295.00
209	280-13500	CON 8	PT LOT 1	0.822	0.822		\$ -	\$ 1,295.00	\$ -	\$ 1,295.00
210	280-13600	CON 8	PT LOT 1	0.822	0.822		\$ -	\$ 1,295.00	\$ -	\$ 1,295.00
211	280-13700	CON 8	PT LOT 1	0.820	0.820		\$ -	\$ 1,293.00	\$ -	\$ 1,293.00
212	280-13800	CON 8	PT LOT 1	1.055	1.055		\$ -	\$ 1,352.00	\$ -	\$ 1,352.00
213	280-13820	CON 4	PT LOT 6	0.921	0.921		\$ -	\$ 1,141.00	\$ -	\$ 1,141.00
214	280-14000	CON 4	PT LOT 6	3.984	3.984		\$ -	\$ 2,979.00	\$ -	\$ 2,979.00
215	280-14050	CON 4	PT LOT 6	0.446	0.446		\$ -	\$ 668.00	\$ -	\$ 668.00
216	280-14200	CON 4	PT LOT 7	2.740	1.390		\$ -	\$ 792.00	\$ -	\$ 792.00
217	280-14800	CON 4	PT LOT 8	8.402	5.990		\$ -	\$ 2,455.00	\$ -	\$ 2,455.00
218	290-17100	CON 7	PT LOT 2	0.548	0.548		\$ -	\$ 19.00	\$ -	\$ 19.00
219	290-17200	CON 7	PT LOT 1 & 2	45.550	45.550		\$ -	\$ 830.00	\$ -	\$ 830.00
Total affected Lands (Hectares)					218.475					
Total Assessment on Privately Owned Non-Agricultural Lands (Non-Grantable)							\$ 19,876.00	\$ 85,142.00	\$ 19,673.00	\$ 124,691.00

3) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF LASALLE										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
270	170-05850	CON 2	PT LOT 8 & 9	38.640	4.108		\$ -	\$ 74.00	\$ -	\$ 74.00
271	170-08100	CON 2	PT LOT 9 & 10	17.967	14.575		\$ -	\$ 237.00	\$ -	\$ 237.00
272	170-08510	CON 2	PT LOT 11 & 12	2.944	2.944		\$ -	\$ 53.00	\$ -	\$ 53.00
273	170-09000	CON 2	PT LOT 11 & 12	1.502	1.078		\$ -	\$ 9.00	\$ -	\$ 9.00
274	170-09200	CON 2	PT LOT 10 & 11	9.646	5.631		\$ -	\$ 18.00	\$ -	\$ 18.00
275	180-01000	CON 2	PT LOT 14	14.744	2.485		\$ -	\$ 44.00	\$ -	\$ 44.00
276	180-01100	CON 2	PT LOT 14 & 15	17.176	2.485		\$ -	\$ 44.00	\$ -	\$ 44.00
277	180-26400	CON 2	PT LOT 15	5.659	2.963		\$ -	\$ 53.00	\$ -	\$ 53.00
278	180-26500	CON 2	PT LOT 15	7.217	3.693		\$ -	\$ 66.00	\$ -	\$ 66.00
279	180-26600	CON 2	PT LOT 13 & 14	28.776	7.916		\$ -	\$ 142.00	\$ -	\$ 142.00
280	180-26700	CON 2	PT LOT 12 & 13	1.318	1.318		\$ -	\$ 24.00	\$ -	\$ 24.00
281	180-26900	CON 2	PT LOT 12 & 13	7.724	2.684		\$ -	\$ 48.00	\$ -	\$ 48.00
282	260-00200	CON 3	PT LOT 5	4.876	4.876		\$ -	\$ 87.00	\$ -	\$ 87.00
283	260-00300	CON 3	PT LOT 5	12.181	12.181		\$ -	\$ 218.00	\$ -	\$ 218.00
284	260-00800	CON 3	PT LOT 4	2.933	2.933		\$ -	\$ 53.00	\$ -	\$ 53.00
285	260-01200	CON 3	PT LOT 4	17.738	17.738		\$ -	\$ 318.00	\$ -	\$ 318.00
286	260-10200	CON 3	PT LOT 3 & 4	0.266	0.266		\$ -	\$ 5.00	\$ -	\$ 5.00
287	260-10500	CON 3	PT LOT 4	16.572	16.572		\$ -	\$ 297.00	\$ -	\$ 297.00

3) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF LASALLE (Continued)

PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
288	260-10900	CON 3	PT LOT 4	13.927	13.927		\$ -	\$ 249.00	\$ -	\$ 249.00
289	270-00500	CON 3	PT LOT 8	11.801	11.801		\$ -	\$ 211.00	\$ -	\$ 211.00
290	270-00600	CON 3	PT LOT 8	11.828	11.828		\$ -	\$ 212.00	\$ -	\$ 212.00
291	270-00700	CON 3	PT LOT 8	9.038	9.038		\$ -	\$ 162.00	\$ -	\$ 162.00
292	270-00800	CON 3	PT LOT 8	11.089	11.089		\$ -	\$ 199.00	\$ -	\$ 199.00
293	270-02100	CON 3	PT LOT 8	7.953	7.953		\$ -	\$ 142.00	\$ -	\$ 142.00
294	270-02600	CON 3	PT LOT 7	4.426	4.426		\$ -	\$ 611.00	\$ -	\$ 611.00
295	270-02900	CON 3	PT LOT 6	6.697	6.697		\$ 3,789.00	\$ 810.00	\$ -	\$ 4,599.00
296	270-03700	CON 3	PT LOT 5	20.235	20.235		\$ -	\$ 362.00	\$ -	\$ 362.00
297	270-03800	CON 3	PT LOT 5	6.557	6.557		\$ -	\$ 117.00	\$ -	\$ 117.00
298	270-04300	CON 3	PT LOT 5	8.474	8.474		\$ -	\$ 152.00	\$ -	\$ 152.00
299	270-04400	CON 3	PT LOT 5	4.602	4.602		\$ -	\$ 1,663.00	\$ -	\$ 1,663.00
300	270-04600	CON 3	PT LOT 6	10.648	10.648		\$ -	\$ 3,850.00	\$ -	\$ 3,850.00
301	270-04900	CON 3	PT LOT 6	11.936	11.936		\$ 7,752.00	\$ 2,060.00	\$ -	\$ 9,812.00
302	270-05200	CON 3	PT LOT 6	10.470	10.470		\$ 8,134.00	\$ 3,065.00	\$ -	\$ 11,199.00
303	270-05500	CON 3	PT LOT 6	4.284	4.284		\$ 7,159.00	\$ 1,255.00	\$ -	\$ 8,414.00
304	270-06100	CON 3	PT LOT 7	58.044	58.044		\$ -	\$ 8,020.00	\$ -	\$ 8,020.00
305	270-07050	CON 3	PT LOT 8	7.057	7.057		\$ -	\$ 1,339.00	\$ -	\$ 1,339.00
306	280-00108	CON 4	PT LOT 6	5.791	5.791		\$ -	\$ 4,104.00	\$ -	\$ 4,104.00
307	280-00500	CON 4	PT LOT 8	8.382	5.900		\$ -	\$ 2,133.00	\$ -	\$ 2,133.00
308	280-00600	CON 4	PT LOT 8	9.415	6.190		\$ -	\$ 2,238.00	\$ -	\$ 2,238.00
309	280-01000	CON 4	PT LOT 8	8.229	6.360		\$ -	\$ 2,299.00	\$ -	\$ 2,299.00
310	280-01200	CON 4	PT LOT 8	5.924	3.536		\$ -	\$ 1,278.00	\$ -	\$ 1,278.00
311	280-01600	CON 4	PT LOT 8	6.898	5.525		\$ -	\$ 1,998.00	\$ -	\$ 1,998.00
312	280-01700	CON 4	PT LOT 8	5.261	5.261		\$ -	\$ 1,902.00	\$ -	\$ 1,902.00
313	280-02500	CON 4	PT LOT 7	5.014	5.014		\$ -	\$ 1,813.00	\$ -	\$ 1,813.00
314	280-03200	CON 4	PT LOT 7	8.036	8.036		\$ -	\$ 2,905.00	\$ -	\$ 2,905.00
315	280-03300	CON 4	PT LOT 7	10.565	10.565		\$ -	\$ 3,819.00	\$ -	\$ 3,819.00
316	280-03400	CON 4	PT LOT 7	9.307	9.307		\$ -	\$ 3,706.00	\$ -	\$ 3,706.00
317	280-03500	CON 4	PT LOT 6	47.002	47.002		\$ 22,608.00	\$ 24,198.00	\$ 27,480.00	\$ 74,286.00
318	280-04110	CON 4	PT LOT 5	6.955	6.955		\$ 3,168.00	\$ 4,197.00	\$ -	\$ 7,365.00
319	280-04800	CON 4	PT LOT 5	8.303	8.303		\$ -	\$ 4,879.00	\$ -	\$ 4,879.00
320	280-09100	CON 4	PT LOT 3	5.484	5.484		\$ -	\$ 98.00	\$ -	\$ 98.00
321	280-09200	CON 4	PT LOT 3 & 4	4.252	4.252	\$ -	\$ 76.00	\$ -	\$ 76.00	
322	280-09300	CON 4	PT LOT 4	12.125	12.125	\$ -	\$ 217.00	\$ -	\$ 217.00	
323	280-09700	CON 4	PT LOT 4	9.545	9.545	\$ -	\$ 171.00	\$ -	\$ 171.00	
324	280-09800	CON 4	PT LOT 4 & 5	14.920	14.920	\$ -	\$ 267.00	\$ -	\$ 267.00	
325	280-10000	CON 4	PT LOT 4 & 5	15.772	15.772	\$ 10,364.00	\$ 8,778.00	\$ -	\$ 19,142.00	
326	280-10700	CON 4	PT LOT 6	0.812	0.812	\$ -	\$ 576.00	\$ -	\$ 576.00	
327	280-14100	CON 4	PT LOT 7	17.074	16.360	\$ -	\$ 6,342.00	\$ -	\$ 6,342.00	
328	280-14500	CON 4	PT LOT 7	9.115	8.640	\$ -	\$ 3,124.00	\$ -	\$ 3,124.00	
329	280-14700	CON 4	PT LOT 7	14.474	13.085	\$ -	\$ 4,730.00	\$ -	\$ 4,730.00	
330	280-14850	CON 4	PT LOT 8	1.515	1.010	\$ -	\$ 365.00	\$ -	\$ 365.00	
331	280-14900	CON 4	PT LOT 8	2.191	1.260	\$ -	\$ 456.00	\$ -	\$ 456.00	
332	290-00300	CON 7	PT LOT 1	15.175	15.175	\$ -	\$ 272.00	\$ -	\$ 272.00	
333	290-17000	CON 7	PT LOT 1,2 & 3	55.970	17.758	\$ -	\$ 318.00	\$ -	\$ 318.00	
Total affected Lands (Hectares)					595.453					
Total Assessment on Privately Owned Agricultural Lands (Grantable)							\$ 62,974.00	\$ 113,528.00	\$ 27,480.00	\$ 203,982.00

4) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE

PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
352	170-08600	CON 2	PT LOT 11 & 12	1.502	1.502		\$ -	\$ 15.00	\$ -	\$ 15.00
353	170-08700	CON 2	PT LOT 11 & 12	1.502	1.502		\$ -	\$ 15.00	\$ -	\$ 15.00
354	170-08800	CON 2	PT LOT 11 & 12	1.502	1.502		\$ -	\$ 15.00	\$ -	\$ 15.00
355	170-08900	CON 2	PT LOT 11 & 12	1.502	1.502		\$ -	\$ 15.00	\$ -	\$ 15.00
356	170-09100	CON 2	PT LOT 12	1.457	1.050		\$ -	\$ 8.00	\$ -	\$ 8.00
357	260-00350	CON 3	PT LOT 4 & 5	6.588	6.588		\$ -	\$ 118.00	\$ -	\$ 118.00
358	260-00500	CON 3	PT LOT 5	16.979	16.979		\$ -	\$ 304.00	\$ -	\$ 304.00
359	260-10000	CON 3	PT LOT 3 & 4	5.257	1.725		\$ -	\$ 31.00	\$ -	\$ 31.00
360	270-01100	CON 3	PT LOT 8	4.683	4.683		\$ -	\$ 84.00	\$ -	\$ 84.00
361	280-00900	CON 4	PT LOT 8	10.132	6.386		\$ -	\$ 2,308.00	\$ -	\$ 2,308.00

4) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
362	280-10800	CON 4	PT LOT 6	6.740	6.740		\$ -	\$ 4,777.00	\$ -	\$ 4,777.00
363	290-00100	CON 7	PT LOT 1	1.677	1.677		\$ -	\$ 30.00	\$ -	\$ 30.00
364	290-00200	CON 7	PT LOT 1	1.676	1.676		\$ -	\$ 30.00	\$ -	\$ 30.00
Total affected Lands (Hectares)				53.513						
Total Assessment on Privately Owned Agricultural Lands (Non-Grantable)							\$ -	\$ 7,750.00	\$ -	\$ 7,750.00

TOWN OF LASALLE - TOTAL ASSESSMENT FOR SCHEDULE A-1 - (Sections 1, 2, 3, & 4)	\$ 82,850.00	\$ 228,809.00	\$ 47,153.00	\$ 358,812.00
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ASSESSMENTS IN THE TOWN OF TECUMSEH

5) ONTARIO OWNED LANDS IN THE TOWN OF TECUMSEH									
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT	
12	King's Highway No. 3	-	2.760	Ministry of Transportation of Ontario	\$ -	\$ 21,123.00	\$ -	\$ 21,123.00	
Total Affected Lands (Hectares)			2.760						
Total Assessment on Ontario Owned Lands					\$ -	\$ 21,123.00	\$ -	\$ 21,123.00	

6) MUNICIPAL ROADS IN THE TOWN OF TECUMSEH									
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT	
5	Holden Road	-	3.330	Town of Tecumseh	\$ -	\$ 25,488.00	\$ -	\$ 25,488.00	
6	South Talbot Road	-	3.320	Town of Tecumseh	\$ -	\$ 25,408.00	\$ -	\$ 25,408.00	
7	Oldcastle Road	-	1.120	Town of Tecumseh	\$ -	\$ 8,571.00	\$ -	\$ 8,571.00	
10	County Road 9 (Howard Avenue)	-	5.846	County of Essex	\$ -	\$ 14,403.00	\$ -	\$ 14,403.00	
11	County Road 11 (Walker Road)	-	3.750	County of Essex	\$ -	\$ 28,694.00	\$ -	\$ 28,694.00	
Total Affected Lands (Hectares)			17.366						
Total Assessment on Municipal Roads					\$ -	\$ 102,564.00	\$ -	\$ 102,564.00	

7) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
220	440-01200	CON 6	PT LOT 5 RP	0.510	0.510		\$ -	\$ 949.00	\$ -	\$ 949.00
221	440-01400	CON 6 N	PT LOT 5 RP	0.456	0.456		\$ -	\$ 881.00	\$ -	\$ 881.00
222	440-01502	CON 6	PT LOT 6 RP	1.026	1.026		\$ -	\$ 2,688.00	\$ -	\$ 2,688.00
223	440-01700	CON 6 N	PT LOT 7	0.343	0.343		\$ -	\$ 1,225.00	\$ -	\$ 1,225.00
224	440-01800	CON 6 N	PT LOT 7	0.193	0.193		\$ -	\$ 886.00	\$ -	\$ 886.00
225	440-01900	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 1,330.00	\$ -	\$ 1,330.00
226	440-02000	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 1,330.00	\$ -	\$ 1,330.00
227	450-01500	CON 5 N	PT LOT 4 RP	0.167	0.167		\$ -	\$ 443.00	\$ -	\$ 443.00
228	450-01700	CON 5 N	PT LOT 4 RP	0.137	0.137		\$ -	\$ 362.00	\$ -	\$ 362.00
229	450-01850	CON 5	PT LOT 5 RP	0.810	0.810		\$ -	\$ 26.00	\$ -	\$ 26.00
230	450-01910	CON 5	PT LOT 6	0.485	0.485		\$ -	\$ 18.00	\$ -	\$ 18.00
231	450-03000	CON 5 E	PT LOT 6 RP	0.561	0.561		\$ -	\$ 1,594.00	\$ -	\$ 1,594.00
232	450-03200	CON 5 E	PT LOT 6	0.211	0.211		\$ -	\$ 886.00	\$ -	\$ 886.00
233	450-03302	CON 5	PT LOT 6 RP	0.500	0.500		\$ -	\$ 1,470.00	\$ -	\$ 1,470.00
234	450-03310	CON 5	PT LOT 5 RP	0.426	0.426		\$ -	\$ 1,402.00	\$ -	\$ 1,402.00
235	450-03400	CON 5	PT LOT 5 RP	1.657	1.657		\$ 1,886.00	\$ 3,762.00	\$ -	\$ 5,648.00
236	450-03500	CON 5 N	PT LOT 5	0.440	0.440		\$ 1,486.00	\$ 1,434.00	\$ -	\$ 2,920.00
237	450-03600	CON 5	PT LOT 5	0.405	0.405		\$ -	\$ 1,355.00	\$ -	\$ 1,355.00
238	470-00300	CON STR S	PT LOT 302	0.279	0.279		\$ -	\$ 1,088.00	\$ -	\$ 1,088.00
239	470-00400	CON STR	PT LOT 302	0.323	0.323		\$ -	\$ 1,184.00	\$ -	\$ 1,184.00
241	470-00600	CON STR	PT LOT 302	0.372	0.372		\$ -	\$ 1,286.00	\$ -	\$ 1,286.00

7) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
242	470-00800	CON STR	PT LOT 303 RP	0.373	0.373		\$ -	\$ 1,289.00	\$ -	\$ 1,289.00
243	470-00900	CON STR S	PT LOT 303	0.456	0.456		\$ -	\$ 1,466.00	\$ -	\$ 1,466.00
244	470-05900	CON STR N	PT LOT 304	19.343	6.305		\$ -	\$ 10,876.00	\$ -	\$ 10,876.00
245	470-06000	CON STR N	PT LOT 304 RP	0.274	0.274		\$ -	\$ 1,078.00	\$ -	\$ 1,078.00
246	470-06200	CON STR N	PT LOT 303 RP	0.218	0.218		\$ -	\$ 958.00	\$ -	\$ 958.00
247	470-06300	CON STR N	PT LOT 303 RP	0.942	0.942		\$ -	\$ 2,508.00	\$ -	\$ 2,508.00
248	470-06400	CON STR N	PT LOT 303	0.258	0.258		\$ -	\$ 1,042.00	\$ -	\$ 1,042.00
249	470-06500	CON STR N	PT LOT 303	2.034	2.034		\$ -	\$ 4,338.00	\$ -	\$ 4,338.00
250	470-06700	CON STR	PT LOT 303	0.172	0.172		\$ -	\$ 792.00	\$ -	\$ 792.00
251	470-06900	CON STR N	PT LOT 303	0.215	0.215		\$ -	\$ 949.00	\$ -	\$ 949.00
252	470-07200	CON STR	PT LOT 302 RP	0.405	0.405		\$ -	\$ 1,355.00	\$ -	\$ 1,355.00
253	470-07201	CON STR N	PT LOT 302 RP	0.284	0.284		\$ -	\$ 1,098.00	\$ -	\$ 1,098.00
254	470-07202	CON STR	PT LOT 302 RP	0.435	0.435		\$ -	\$ 1,422.00	\$ -	\$ 1,422.00
255	470-07203	CON STR	PT LOT 302 RP	0.442	0.442		\$ -	\$ 1,438.00	\$ -	\$ 1,438.00
256	470-07300	CON STR N	PT LOT 302 RP	0.755	0.755		\$ -	\$ 2,107.00	\$ -	\$ 2,107.00
257	470-07500	CON STR N	PT LOT 303	0.173	0.173		\$ -	\$ 793.00	\$ -	\$ 793.00
258	470-07600	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 541.00	\$ -	\$ 541.00
259	470-07800	CON STR	PT LOT 303 RP	0.113	0.113		\$ -	\$ 521.00	\$ -	\$ 521.00
260	470-07820	CON STR	PT LOT 303 RP	0.124	0.124		\$ -	\$ 568.00	\$ -	\$ 568.00
261	470-07900	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 543.00	\$ -	\$ 543.00
262	470-08000	CON STR N	PT LOT 303 RP	0.118	0.118		\$ -	\$ 543.00	\$ -	\$ 543.00
263	470-08100	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 543.00	\$ -	\$ 543.00
264	470-08200	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 547.00	\$ -	\$ 547.00
265	470-08300	CON STR N	PT LOT 303	0.120	0.120		\$ -	\$ 549.00	\$ -	\$ 549.00
266	470-08400	CON STR N	PT LOT 303	0.103	0.103		\$ -	\$ 473.00	\$ -	\$ 473.00
267	470-08500	CON STR N	PT LOT 303	0.179	0.179		\$ -	\$ 824.00	\$ -	\$ 824.00
268	470-08600	CON STR N	PT LOT 303	2.089	2.089		\$ -	\$ 4,423.00	\$ -	\$ 4,423.00
269	470-08700	CON STR N	PT LOT 303	0.404	0.404		\$ -	\$ 1,355.00	\$ -	\$ 1,355.00
Total affected Lands (Hectares)					27.549					
Total Assessment on Privately Owned Non-Agricultural Lands (Non-Grantable)							\$ 3,372.00	\$ 70,538.00	\$ -	\$ 73,910.00

8) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
334	440-01300	CON 6 S	PT LOT 5	9.772	9.490		\$ -	\$ 8,716.00	\$ -	\$ 8,716.00
335	440-01401	CON 6 N	PT LOT 5	13.703	12.870		\$ -	\$ 19,698.00	\$ -	\$ 19,698.00
336	440-01500	CON 6	PT LOT 6 RP	40.410	37.870		\$ -	\$ 57,966.00	\$ -	\$ 57,966.00
337	440-01600	CON 6 W	PT LOT 7	19.019	19.019		\$ -	\$ 29,112.00	\$ -	\$ 29,112.00
338	440-02100	CON 6	PT LOT 7 RP	19.521	6.070		\$ -	\$ 9,292.00	\$ -	\$ 9,292.00
339	450-01800	CON 5	PT LOT 5 RP	20.159	20.159		\$ 14,624.00	\$ 24,310.00	\$ -	\$ 38,934.00
340	450-01810	CON 5	PT LOT 5 RP	35.951	35.951		\$ 12,608.00	\$ 16,484.00	\$ -	\$ 29,092.00
341	450-01900	CON 5	PT LOT 6	56.109	56.109		\$ -	\$ 1,005.00	\$ -	\$ 1,005.00
342	450-02002	CON 5	PT LOT 7	0.809	0.809		\$ -	\$ 14.00	\$ -	\$ 14.00
343	450-02700	CON 5	PT LOT 7	48.026	20.740		\$ -	\$ 371.00	\$ -	\$ 371.00
344	450-02702	CON 5	PT LOT 7	36.894	19.650		\$ -	\$ 352.00	\$ -	\$ 352.00
345	450-03300	CON 5 E	PT LOT 6	9.371	9.752		\$ -	\$ 175.00	\$ -	\$ 175.00
346	450-03700	CON 5 E	PT LOT 5	28.241	28.241		\$ 16,388.00	\$ 39,560.00	\$ -	\$ 55,948.00
347	470-00500	CON STR	PT LOT 302	25.373	25.373		\$ -	\$ 38,838.00	\$ -	\$ 38,838.00
348	470-00700	CON STR	PT LOT 303	39.533	39.533		\$ -	\$ 60,512.00	\$ -	\$ 60,512.00
349	470-06600	CON STR N	PT LOT 303	4.094	4.094		\$ -	\$ 6,266.00	\$ -	\$ 6,266.00
350	470-07400	CON STR S	PT LOT 302	4.706	4.706		\$ -	\$ 7,203.00	\$ -	\$ 7,203.00
351	470-08800	CON STR N	PT LOT 302	11.460	11.460	\$ -	\$ 17,541.00	\$ -	\$ 17,541.00	
Total affected Lands (Hectares)					361.897					
Total Assessment on Privately Owned Agricultural Lands (Grantable)							\$ 43,620.00	\$ 337,415.00	\$ -	\$ 381,035.00

9) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
365	440-01220	CON 6	PT LOT 4 & 5	25.210	25.210		\$ -	\$ 23,153.00	\$ -	\$ 23,153.00
366	450-01600	CON 5 N	PT LOT 4 RP	27.565	26.360		\$ 12,708.00	\$ 25,798.00	\$ -	\$ 38,506.00
367	450-02910	CON 5	PT LOT 6 RP	9.897	9.897		\$ -	\$ 177.00	\$ -	\$ 177.00
368	470-06100	CON STR N	PT LOT 303	17.191	17.191		\$ -	\$ 26,313.00	\$ -	\$ 26,313.00
369	470-06800	CON STR	PT LOT 303	2.242	2.242		\$ -	\$ 3,431.00	\$ -	\$ 3,431.00
370	470-07000	CON STR N	PT LOT 303	2.180	2.180		\$ -	\$ 3,337.00	\$ -	\$ 3,337.00
371	470-07100	CON STR N	PT LOT 303	4.850	4.850		\$ -	\$ 7,424.00	\$ -	\$ 7,424.00
Total affected Lands (Hectares)				87.931						
Total Assessment on Privately Owned Agricultural Lands (Non-Grantable)							\$ 12,708.00	\$ 89,633.00	\$ -	\$ 102,341.00
TOWN OF TECUMSEH - TOTAL ASSESSMENT FOR SCHEDULE A-1 - (Sections 5, 6, 7, 8 & 9)							\$ 59,700.00	\$ 621,273.00	\$ -	\$ 680,973.00
GRAND TOTAL ASSESSMENT FOR SCHEDULE A-1 (TOWN of LASALLE & TOWN OF TECUMSEH)							\$ 142,550.00	\$ 850,082.00	\$ 47,153.00	\$ 1,039,785.00

TOTAL LANDS AFFECTED (Ha)	
a) Ontario Lands	2.760
b) Municipal Roads	38.412
c) Non-Agricultural Lands	246.023
d) Agricultural Lands (Grantable)	957.350
e) Agricultural Lands (Non-grantable)	141.443
Total Lands Affected:	1385.989

NOTE: Assessment Values have been rounded to the nearest whole dollar for presentation purposes.

1 Hectare = 2.471 Acres

SCHEDULE A-1 - TOTAL ASSESSMENT BREAKDOWN BY MUNICIPALITY	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
TOWN OF LASALLE - TOTAL ASSESSMENT FOR SCHEDULE A-1 - (Sections 1, 2, 3, & 4)	\$ 82,850.00	\$ 228,809.00	\$ 47,153.00	\$ 358,812.00
TOWN OF TECUMSEH - TOTAL ASSESSMENT FOR SCHEDULE A-1 - (Sections 5, 6, 7, 8 & 9)	\$ 59,700.00	\$ 621,273.00	\$ -	\$ 680,973.00
GRAND TOTAL ASSESSMENT FOR SCHEDULE A-1 (TOWN of LASALLE & TOWN OF TECUMSEH)	\$ 142,550.00	\$ 850,082.00	\$ 47,153.00	\$ 1,039,785.00

SCHEDULE A-1 - ASSESSMENT BREAKDOWN BY LAND CATEGORY	TOWN OF LASALLE	TOWN OF TECUMSEH	TOTAL ASSESSMENT
ONTARIO OWNED LANDS (Section 5)	\$ -	\$ 21,123.00	\$ 21,123.00
MUNICIPAL ROADS - (Sections 1 & 6)	\$ 22,389.00	\$ 102,564.00	\$ 124,953.00
PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) - (Sections 2 & 7)	\$ 124,691.00	\$ 73,910.00	\$ 198,601.00
PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) - (Sections 3 & 8)	\$ 203,982.00	\$ 381,035.00	\$ 585,017.00
PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) - (Sections 4 & 8)	\$ 7,750.00	\$ 102,341.00	\$ 110,091.00
GRAND TOTAL ASSESSMENT FOR SCHEDULE A-1 (TOWN of LASALLE & TOWN OF TECUMSEH)	\$ 358,812.00	\$ 680,973.00	\$ 1,039,785.00

SCHEDULE A-2
SCHEDULE OF ASSESSMENT FOR FUTURE MAINTENANCE
OF THE PART OF THE 4TH CONCESSION DRAIN
IN THE TOWN OF LASALLE

ASSESSMENTS IN THE TOWN OF LASALLE

1) MUNICIPAL ROADS IN THE TOWN OF LASALLE								
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
1	Kelly Road	-	3.200	Town of Lasalle	\$ -	\$ 189.00	\$ -	\$ 189.00
2	Disputed Road	-	5.666	Town of Lasalle	\$ -	\$ 330.00	\$ -	\$ 330.00
3	Broderick Road	-	5.488	Town of Lasalle	\$ -	\$ 640.00	\$ -	\$ 640.00
4	Eighth Concession Road	-	1.012	Town of Lasalle	\$ -	\$ 138.00	\$ -	\$ 138.00
8	County Road 7 (Huron Church Line Road)	-	4.380	County of Essex	\$ -	\$ 823.00	\$ -	\$ 823.00
9	County Road 8 (Townline Road)	-	1.300	County of Essex	\$ -	\$ 77.00	\$ -	\$ 77.00
Total Affected Lands (Hectares)			21.046					
Total Assessment on Municipal Roads					\$ -	\$ 2,197.00	\$ -	\$ 2,197.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
13	170-08000	CON 2	PT LOT 9	0.810	0.810		\$ -	\$ 17.00	\$ -	\$ 17.00
14	170-08050	CON 2	PT LOT 9	0.809	0.809		\$ -	\$ 17.00	\$ -	\$ 17.00
15	170-08200	CON 2	PT LOT 10	0.428	0.428		\$ 43.00	\$ 10.00	\$ -	\$ 53.00
16	170-08300	CON 2	PT LOT 10 & 11	5.303	5.303		\$ 146.00	\$ 42.00	\$ -	\$ 188.00
17	170-08400	CON 2	PT LOT 11	0.466	0.466		\$ -	\$ 11.00	\$ -	\$ 11.00
18	170-08410	CON 2	PT LOT 11	0.232	0.232		\$ -	\$ 8.00	\$ -	\$ 8.00
19	170-08500	CON 2	PT LOT 12	0.399	0.399		\$ -	\$ 10.00	\$ -	\$ 10.00
20	180-26800	CON 2	PT LOT 12	1.335	1.335		\$ -	\$ 25.00	\$ -	\$ 25.00
21	180-26950	CON 2	PT LOT 12	0.709	0.078		\$ -	\$ 3.00	\$ -	\$ 3.00
22	260-00310	CON 3	PT LOT 4	1.030	1.030		\$ -	\$ 21.00	\$ -	\$ 21.00
23	260-00400	CON 3	PT LOT 5	0.826	0.826		\$ -	\$ 17.00	\$ -	\$ 17.00
24	260-00550	CON 3	PT LOT 5	0.809	0.809		\$ -	\$ 17.00	\$ -	\$ 17.00
25	260-00600	CON 3	PT LOT 5	0.817	0.817		\$ -	\$ 17.00	\$ -	\$ 17.00
26	260-00700	CON 3	PT LOT 5	0.421	0.421		\$ -	\$ 11.00	\$ -	\$ 11.00
27	260-00900	CON 3	PT LOT 4	0.836	0.836		\$ -	\$ 18.00	\$ -	\$ 18.00
28	260-01000	CON 3	PT LOT 4	0.733	0.733		\$ -	\$ 16.00	\$ -	\$ 16.00
29	260-01100	CON 3	PT LOT 4	0.822	0.822		\$ -	\$ 17.00	\$ -	\$ 17.00
30	260-09600	CON 3	PT LOT 3	0.397	0.397		\$ -	\$ 10.00	\$ -	\$ 10.00
31	260-09700	CON 3	PT LOT 3	0.197	0.197		\$ -	\$ 7.00	\$ -	\$ 7.00
32	260-09800	CON 3	PT LOT 3 & 4	0.353	0.353		\$ -	\$ 10.00	\$ -	\$ 10.00
33	260-09900	CON 3	PT LOT 4	0.260	0.260		\$ -	\$ 8.00	\$ -	\$ 8.00
34	260-10300	CON 3	PT LOT 4	0.198	0.198		\$ -	\$ 7.00	\$ -	\$ 7.00
35	260-10400	CON 3	PT LOT 4	0.186	0.186		\$ -	\$ 7.00	\$ -	\$ 7.00
36	260-10600	CON 3	PT LOT 4	0.186	0.186		\$ -	\$ 7.00	\$ -	\$ 7.00
37	260-10700	CON 3	PT LOT 4	0.186	0.186		\$ -	\$ 7.00	\$ -	\$ 7.00
38	260-10800	CON 3	PT LOT 4	0.139	0.139		\$ -	\$ 5.00	\$ -	\$ 5.00
39	260-11000	CON 3	PT LOT 4	0.864	0.864		\$ -	\$ 18.00	\$ -	\$ 18.00
40	260-11100	CON 3	PT LOT 4	3.094	3.094		\$ -	\$ 46.00	\$ -	\$ 46.00
41	260-11200	CON 3	PT LOT 4	0.460	0.460		\$ -	\$ 11.00	\$ -	\$ 11.00
42	260-11300	CON 3	PT LOT 5	0.239	0.239		\$ -	\$ 8.00	\$ -	\$ 8.00
43	260-11400	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 8.00	\$ -	\$ 8.00
44	260-11500	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 8.00	\$ -	\$ 8.00
45	260-11600	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 8.00	\$ -	\$ 8.00
46	260-11700	CON 3	PT LOT 5	0.368	0.368		\$ -	\$ 10.00	\$ -	\$ 10.00
47	260-11800	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 8.00	\$ -	\$ 8.00
48	260-11900	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 8.00	\$ -	\$ 8.00
49	260-12000	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 8.00	\$ -	\$ 8.00
50	260-12100	CON 3	PT LOT 5	0.232	0.232		\$ -	\$ 8.00	\$ -	\$ 8.00
51	260-12200	CON 3	PT LOT 5	0.186	0.186		\$ -	\$ 7.00	\$ -	\$ 7.00
52	270-00100	CON 3	PT LOT 8	0.414	0.414		\$ -	\$ 11.00	\$ -	\$ 11.00
53	270-00200	CON 3	PT LOT 8	0.209	0.209		\$ -	\$ 7.00	\$ -	\$ 7.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)

PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
54	270-00300	CON 3	PT LOT 8	0.209	0.209		\$ -	\$ 7.00	\$ -	\$ 7.00
55	270-00400	CON 3	PT LOT 8	0.185	0.185		\$ -	\$ 7.00	\$ -	\$ 7.00
56	270-00900	CON 3	PT LOT 8	0.186	0.186		\$ -	\$ 7.00	\$ -	\$ 7.00
57	270-01000	CON 3	PT LOT 8	0.153	0.153		\$ -	\$ 5.00	\$ -	\$ 5.00
58	270-01150	CON 3	PT LOT 8	0.518	0.518		\$ -	\$ 12.00	\$ -	\$ 12.00
59	270-01200	CON 3	PT LOT 8	0.203	0.203		\$ -	\$ 7.00	\$ -	\$ 7.00
60	270-01300	CON 3	PT LOT 8	0.938	0.938		\$ -	\$ 19.00	\$ -	\$ 19.00
61	270-01400	CON 3	PT LOT 8	0.966	0.966		\$ -	\$ 20.00	\$ -	\$ 20.00
62	270-01500	CON 3	PT LOT 8	0.811	0.811		\$ -	\$ 17.00	\$ -	\$ 17.00
63	270-01600	CON 3	PT LOT 8	0.810	0.810		\$ -	\$ 17.00	\$ -	\$ 17.00
64	270-01700	CON 3	PT LOT 8	0.809	0.809		\$ -	\$ 17.00	\$ -	\$ 17.00
65	270-01800	CON 3	PT LOT 8	0.808	0.808		\$ -	\$ 17.00	\$ -	\$ 17.00
66	270-01900	CON 3	PT LOT 8	0.806	0.806		\$ -	\$ 17.00	\$ -	\$ 17.00
67	270-02000	CON 3	PT LOT 8	0.771	0.771		\$ -	\$ 16.00	\$ -	\$ 16.00
68	270-02200	CON 3	PT LOT 7	4.265	4.265		\$ -	\$ 87.00	\$ -	\$ 87.00
69	270-02210	CON 3	PT LOT 7	0.810	0.810		\$ -	\$ 17.00	\$ -	\$ 17.00
70	270-02250	CON 3	PT LOT 7	0.810	0.810		\$ -	\$ 17.00	\$ -	\$ 17.00
71	270-02300	CON 3	PT LOT 7	1.858	1.858		\$ -	\$ 45.00	\$ -	\$ 45.00
72	270-02400	CON 3	PT LOT 7	1.854	1.854		\$ -	\$ 45.00	\$ -	\$ 45.00
73	270-02500	CON 3	PT LOT 7	2.451	2.451		\$ -	\$ 55.00	\$ -	\$ 55.00
74	270-02700	CON 3	PT LOT 7	0.837	0.837		\$ -	\$ 18.00	\$ -	\$ 18.00
75	270-02800	CON 3	PT LOT 7	0.837	0.837		\$ -	\$ 18.00	\$ -	\$ 18.00
76	270-03000	CON 3	PT LOT 6	0.940	0.940		\$ -	\$ 19.00	\$ -	\$ 19.00
77	270-03100	CON 3	PT LOT 6	2.489	2.489		\$ 109.00	\$ 57.00	\$ -	\$ 166.00
78	270-03200	CON 3	PT LOT 6	1.356	1.356		\$ -	\$ 28.00	\$ -	\$ 28.00
79	270-03300	CON 3	PT LOT 6	1.205	1.205		\$ 134.00	\$ 27.00	\$ -	\$ 161.00
80	270-03350	CON 3	PT LOT 6	1.816	1.816		\$ -	\$ 34.00	\$ -	\$ 34.00
81	270-03370	CON 3	PT LOT 6	1.816	1.816		\$ -	\$ 33.00	\$ -	\$ 33.00
82	270-03400	CON 3	PT LOT 6	3.237	3.237		\$ -	\$ 51.00	\$ -	\$ 51.00
83	270-03500	CON 3	PT LOT 6	1.734	1.734		\$ -	\$ 30.00	\$ -	\$ 30.00
84	270-03600	CON 3	PT LOT 5	0.836	0.836		\$ -	\$ 18.00	\$ -	\$ 18.00
85	270-03900	CON 3	PT LOT 5	0.186	0.186		\$ -	\$ 7.00	\$ -	\$ 7.00
86	270-04000	CON 3	PT LOT 5	0.116	0.116		\$ -	\$ 4.00	\$ -	\$ 4.00
87	270-04100	CON 3	PT LOT 5	1.284	1.284		\$ -	\$ 25.00	\$ -	\$ 25.00
88	270-04200	CON 3	PT LOT 5	0.116	0.116		\$ -	\$ 4.00	\$ -	\$ 4.00
89	270-04310	CON 3	PT LOT 5	0.809	0.809		\$ -	\$ 17.00	\$ -	\$ 17.00
90	270-04500	CON 3	PT LOT 6	0.255	0.255		\$ -	\$ 18.00	\$ -	\$ 18.00
91	270-04700	CON 3	PT LOT 6	2.382	2.382		\$ -	\$ 87.00	\$ -	\$ 87.00
92	270-04740	CON 3	PT LOT 6	10.483	10.483		\$ -	\$ 142.00	\$ -	\$ 142.00
93	270-04750	CON 3	PT LOT 6	3.639	3.639		\$ -	\$ 120.00	\$ -	\$ 120.00
94	270-04800	CON 3	PT LOT 6	0.186	0.186		\$ -	\$ 16.00	\$ -	\$ 16.00
95	270-05000	CON 3	PT LOT 6	0.139	0.139		\$ -	\$ 11.00	\$ -	\$ 11.00
96	270-05100	CON 3	PT LOT 6	0.139	0.139		\$ -	\$ 11.00	\$ -	\$ 11.00
97	270-05300	CON 3	PT LOT 6	0.748	0.748		\$ 34.00	\$ 36.00	\$ -	\$ 70.00
98	270-05400	CON 3	PT LOT 6	0.256	0.256		\$ 26.00	\$ 18.00	\$ -	\$ 44.00
99	270-05600	CON 3 N	PT LOT 7	0.383	0.383		\$ -	\$ 23.00	\$ -	\$ 23.00
100	270-05700	CON 3 N	PT LOT 7	0.421	0.421		\$ -	\$ 25.00	\$ -	\$ 25.00
101	270-05800	CON 3	PT LOT 7	1.047	1.047		\$ -	\$ 48.00	\$ -	\$ 48.00
102	270-05850	CON 3	PT LOT 7	0.513	0.513		\$ -	\$ 28.00	\$ -	\$ 28.00
103	270-05900	CON 3	PT LOT 7	0.513	0.513		\$ -	\$ 28.00	\$ -	\$ 28.00
104	270-06000	CON 3	PT LOT 7	0.810	0.810		\$ -	\$ 39.00	\$ -	\$ 39.00
105	270-06050	CON 3	PT LOT 7	0.195	0.195		\$ -	\$ 16.00	\$ -	\$ 16.00
106	270-06200	CON 3	PT LOT 7	0.158	0.158		\$ -	\$ 13.00	\$ -	\$ 13.00
107	270-06300	CON 3	PT LOT 7	0.275	0.275		\$ -	\$ 19.00	\$ -	\$ 19.00
108	270-06400	CON 3	PT LOT 7	0.279	0.279		\$ -	\$ 19.00	\$ -	\$ 19.00
109	270-06450	CON 3	PT LOT 7	0.188	0.188		\$ -	\$ 16.00	\$ -	\$ 16.00
110	270-06500	CON 3	PT LOT 8	0.118	0.118		\$ -	\$ 9.00	\$ -	\$ 9.00
111	270-06600	CON 3	PT LOT 8	0.105	0.105		\$ -	\$ 9.00	\$ -	\$ 9.00
112	270-06800	CON 3	PT LOT 8	0.139	0.139		\$ -	\$ 11.00	\$ -	\$ 11.00
113	270-06900	CON 3	PT LOT 8	0.139	0.139		\$ -	\$ 11.00	\$ -	\$ 11.00
114	270-07000	CON 3	PT LOT 8	0.139	0.139		\$ -	\$ 11.00	\$ -	\$ 11.00
115	270-07120	CON 3	PT LOT 8	0.724	0.724		\$ -	\$ 36.00	\$ -	\$ 36.00
116	270-07150	CON 3	PT LOT 8	0.805	0.805		\$ -	\$ 39.00	\$ -	\$ 39.00
117	270-07200	CON 3	PT LOT 8	0.406	0.406		\$ -	\$ 24.00	\$ -	\$ 24.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)

PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
118	270-07250	CON 3	PT LOT 8	0.405	0.405		\$ -	\$ 24.00	\$ -	\$ 24.00
119	270-07300	CON 3	PT LOT 8	3.979	3.979		\$ -	\$ 129.00	\$ -	\$ 129.00
120	270-07400	CON 3	PT LOT 8	0.807	0.526		\$ -	\$ 28.00	\$ -	\$ 28.00
121	270-07450	CON 3	PT LOT 8	1.213	1.213		\$ -	\$ 55.00	\$ -	\$ 55.00
122	280-01800	CON 4	PT LOT 8	0.394	0.394		\$ -	\$ 23.00	\$ -	\$ 23.00
123	280-01900	CON 4	PT LOT 8	0.415	0.415		\$ -	\$ 25.00	\$ -	\$ 25.00
124	280-02000	CON 4	PT LOT 8	0.357	0.357		\$ -	\$ 23.00	\$ -	\$ 23.00
125	280-02100	CON 4	PT LOT 8	0.443	0.443		\$ -	\$ 25.00	\$ -	\$ 25.00
126	280-02200	CON 4	PT LOT 8	0.416	0.416		\$ -	\$ 25.00	\$ -	\$ 25.00
127	280-02300	CON 4	PT LOT 7	0.369	0.369		\$ -	\$ 23.00	\$ -	\$ 23.00
128	280-02400	CON 4	PT LOT 7	0.242	0.242		\$ -	\$ 18.00	\$ -	\$ 18.00
129	280-02600	CON 4	PT LOT 7	0.134	0.134		\$ -	\$ 11.00	\$ -	\$ 11.00
130	280-02700	CON 4	PT LOT 7	0.229	0.229		\$ -	\$ 18.00	\$ -	\$ 18.00
131	280-02800	CON 4	PT LOT 7	0.229	0.229		\$ -	\$ 18.00	\$ -	\$ 18.00
132	280-02900	CON 4	PT LOT 7	0.220	0.220		\$ -	\$ 17.00	\$ -	\$ 17.00
133	280-03000	CON 4	PT LOT 7	0.744	0.744		\$ -	\$ 37.00	\$ -	\$ 37.00
134	280-03100	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 16.00	\$ -	\$ 16.00
135	280-03110	CON 4	PT LOT 7	0.229	0.229		\$ -	\$ 18.00	\$ -	\$ 18.00
136	280-03410	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 16.00	\$ -	\$ 16.00
137	280-03420	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 16.00	\$ -	\$ 16.00
138	280-03430	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 16.00	\$ -	\$ 16.00
139	280-03600	CON 4	PT LOT 6	0.140	0.140		\$ -	\$ 11.00	\$ -	\$ 11.00
140	280-03650	CON 4	PT LOT 6	0.284	0.284		\$ -	\$ 19.00	\$ -	\$ 19.00
141	280-03700	CON 4	PT LOT 6	0.140	0.140		\$ -	\$ 11.00	\$ -	\$ 11.00
142	280-03800	CON 4	PT LOT 6	0.588	0.588		\$ -	\$ 31.00	\$ -	\$ 31.00
143	280-03900	CON 4	PT LOT 6	1.249	1.249		\$ -	\$ 55.00	\$ -	\$ 55.00
144	280-04000	CON 4	PT LOT 6	0.187	0.187		\$ -	\$ 16.00	\$ -	\$ 16.00
145	280-04100	CON 4	PT LOT 5	0.187	0.187		\$ -	\$ 16.00	\$ -	\$ 16.00
146	280-04200	CON 4	PT LOT 5	0.186	0.186		\$ -	\$ 16.00	\$ -	\$ 16.00
147	280-04300	CON 4	PT LOT 5	1.220	1.220		\$ -	\$ 50.00	\$ -	\$ 50.00
148	280-04400	CON 4	PT LOT 5	0.814	0.814		\$ -	\$ 36.00	\$ -	\$ 36.00
149	280-04500	CON 4	PT LOT 5	0.814	0.814		\$ -	\$ 35.00	\$ -	\$ 35.00
150	280-04600	CON 4	PT LOT 5	0.338	0.338		\$ -	\$ 9.00	\$ -	\$ 9.00
151	280-04700	CON 4	PT LOT 5	0.452	0.452		\$ -	\$ 11.00	\$ -	\$ 11.00
152	280-04900	CON 4	PT LOT 5	0.359	0.359		\$ -	\$ 10.00	\$ -	\$ 10.00
153	280-05000	CON 4	PT LOT 5	0.360	0.360		\$ -	\$ 10.00	\$ -	\$ 10.00
154	280-05100	CON 4	PT LOT 5	0.400	0.400		\$ -	\$ 10.00	\$ -	\$ 10.00
155	280-05500	CON 4	PT LOT 5	0.188	0.188		\$ -	\$ 7.00	\$ -	\$ 7.00
156	280-05600	CON 4	PT LOT 4 & 5	0.188	0.188		\$ -	\$ 7.00	\$ -	\$ 7.00
157	280-05800	CON 4	PT LOT 4	2.033	2.033		\$ -	\$ 33.00	\$ -	\$ 33.00
158	280-05870	CON 4	PT LOT 4	1.016	1.016		\$ -	\$ 21.00	\$ -	\$ 21.00
159	280-05880	CON 4	PT LOT 4	1.015	1.015		\$ -	\$ 21.00	\$ -	\$ 21.00
160	280-05900	CON 4	PT LOT 4	0.514	0.514		\$ -	\$ 12.00	\$ -	\$ 12.00
161	280-05950	CON 4	PT LOT 4	0.515	0.515		\$ -	\$ 12.00	\$ -	\$ 12.00
162	280-05970	CON 4	PT LOT 4	0.263	0.263		\$ -	\$ 8.00	\$ -	\$ 8.00
163	280-06000	CON 4	PT LOT 3 & 4	0.144	0.144		\$ -	\$ 5.00	\$ -	\$ 5.00
164	280-06100	CON 4	PT LOT 3 & 4	0.149	0.149		\$ -	\$ 5.00	\$ -	\$ 5.00
165	280-06200	CON 4	PT LOT 4	0.149	0.149		\$ -	\$ 5.00	\$ -	\$ 5.00
166	280-06300	CON 4	PT LOT 3 & 4	0.147	0.147		\$ -	\$ 5.00	\$ -	\$ 5.00
167	280-06400	CON 4	PT LOT 3	0.142	0.142		\$ -	\$ 5.00	\$ -	\$ 5.00
168	280-06500	CON 4	PT LOT 3	0.142	0.142		\$ -	\$ 5.00	\$ -	\$ 5.00
169	280-06600	CON 4	PT LOT 3	0.277	0.277		\$ -	\$ 8.00	\$ -	\$ 8.00
170	280-06700	CON 4	PT LOT 3	0.141	0.141		\$ -	\$ 5.00	\$ -	\$ 5.00
171	280-09400	CON 4	PT LOT 4	0.617	0.617		\$ -	\$ 14.00	\$ -	\$ 14.00
172	280-09500	CON 4	PT LOT 4	0.130	0.130		\$ -	\$ 5.00	\$ -	\$ 5.00
173	280-09600	CON 4	PT LOT 4	0.854	0.854		\$ -	\$ 18.00	\$ -	\$ 18.00
174	280-09650	CON 4	PT LOT 4	0.623	0.623		\$ -	\$ 14.00	\$ -	\$ 14.00
175	280-09900	CON 4	PT LOT 4 & 5	1.710	1.710		\$ -	\$ 30.00	\$ -	\$ 30.00
176	280-10100	CON 4	PT LOT 5	0.781	0.781		\$ 132.00	\$ 62.00	\$ -	\$ 194.00
177	280-10200	CON 4	PT LOT 5	0.822	0.822		\$ -	\$ 64.00	\$ -	\$ 64.00
178	280-10300	CON 4	PT LOT 5 & 6	0.786	0.786		\$ -	\$ 63.00	\$ -	\$ 63.00
179	280-10400	CON 4	PT LOT 6	0.807	0.807		\$ -	\$ 63.00	\$ -	\$ 63.00
180	280-10500	CON 4	PT LOT 5 & 6	6.332	6.332		\$ 221.00	\$ 277.00	\$ -	\$ 498.00
181	280-10600	CON 4	PT LOT 6	0.809	0.809		\$ -	\$ 63.00	\$ -	\$ 63.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
182	280-10610	CON 4	PT LOT 6	0.888	0.888		\$ -	\$ 68.00	\$ -	\$ 68.00
183	280-10620	CON 4	PT LOT 6	0.809	0.809		\$ -	\$ 63.00	\$ -	\$ 63.00
184	280-10900	CON 8	PT LOT 1	0.823	0.823		\$ -	\$ 64.00	\$ -	\$ 64.00
185	280-11000	CON 8	PT LOT 1	0.747	0.747		\$ -	\$ 60.00	\$ -	\$ 60.00
186	280-11100	CON 8	PT LOT 1	0.901	0.901		\$ -	\$ 69.00	\$ -	\$ 69.00
187	280-11200	CON 8	PT LOT 1	0.797	0.797		\$ -	\$ 63.00	\$ -	\$ 63.00
188	280-11400	CON 8	PT LOT 1	0.953	0.953		\$ 72.00	\$ 72.00	\$ -	\$ 144.00
189	280-11500	CON 8	PT LOT 1	0.962	0.962		\$ 46.00	\$ 74.00	\$ -	\$ 120.00
190	280-11600	CON 8	PT LOT 1	1.082	1.082		\$ -	\$ 80.00	\$ -	\$ 80.00
191	280-11700	CON 8	PT LOT 1	1.202	1.202		\$ -	\$ 88.00	\$ -	\$ 88.00
192	280-11800	CON 8	PT LOT 1	0.938	0.938		\$ -	\$ 71.00	\$ -	\$ 71.00
193	280-11900	CON 8	PT LOT 1	1.279	1.279		\$ -	\$ 91.00	\$ -	\$ 91.00
194	280-12000	CON 8	PT LOT 1	0.721	0.721		\$ -	\$ 58.00	\$ -	\$ 58.00
195	280-12050	CON 8	PT LOT 1	0.611	0.611		\$ -	\$ 52.00	\$ -	\$ 52.00
196	280-12100	CON 8	PT LOT 1	1.326	1.326		\$ -	\$ 93.00	\$ -	\$ 93.00
197	280-12200	CON 8	PT LOT 1	1.260	1.260		\$ -	\$ 90.00	\$ -	\$ 90.00
198	280-12400	CON 8	PT LOT 1	0.852	0.852		\$ -	\$ 77.00	\$ -	\$ 77.00
199	280-12500	CON 8	PT LOT 1	0.815	0.815		\$ -	\$ 74.00	\$ -	\$ 74.00
200	280-12600	CON 8	PT LOT 1	0.815	0.815		\$ -	\$ 74.00	\$ -	\$ 74.00
201	280-12700	CON 8	PT LOT 1	0.815	0.815		\$ -	\$ 74.00	\$ -	\$ 74.00
202	280-12800	CON 8	PT LOT 1	0.816	0.816		\$ -	\$ 74.00	\$ -	\$ 74.00
203	280-12900	CON 8	PT LOT 1	0.937	0.937		\$ 49.00	\$ 83.00	\$ -	\$ 132.00
204	280-13000	CON 8	PT LOT 1	1.054	1.054		\$ 77.00	\$ 92.00	\$ -	\$ 169.00
205	280-13100	CON 8	PT LOT 1	0.820	0.820		\$ -	\$ 74.00	\$ -	\$ 74.00
206	280-13200	CON 8	PT LOT 1	0.821	0.821		\$ -	\$ 75.00	\$ -	\$ 75.00
207	280-13300	CON 8	PT LOT 1	0.821	0.821		\$ -	\$ 75.00	\$ -	\$ 75.00
208	280-13400	CON 8	PT LOT 1	0.821	0.821		\$ -	\$ 75.00	\$ -	\$ 75.00
209	280-13500	CON 8	PT LOT 1	0.822	0.822		\$ -	\$ 75.00	\$ -	\$ 75.00
210	280-13600	CON 8	PT LOT 1	0.822	0.822		\$ -	\$ 75.00	\$ -	\$ 75.00
211	280-13700	CON 8	PT LOT 1	0.820	0.820		\$ -	\$ 74.00	\$ -	\$ 74.00
212	280-13800	CON 8	PT LOT 1	1.055	1.055		\$ -	\$ 79.00	\$ -	\$ 79.00
213	280-13820	CON 4	PT LOT 6	0.921	0.921		\$ -	\$ 71.00	\$ -	\$ 71.00
214	280-14000	CON 4	PT LOT 6	3.984	3.984		\$ -	\$ 186.00	\$ -	\$ 186.00
215	280-14050	CON 4	PT LOT 6	0.446	0.446		\$ -	\$ 41.00	\$ -	\$ 41.00
216	280-14200	CON 4	PT LOT 7	2.740	1.390		\$ -	\$ 60.00	\$ -	\$ 60.00
217	280-14800	CON 4	PT LOT 8	8.402	5.990		\$ -	\$ 184.00	\$ -	\$ 184.00
218	290-17100	CON 7	PT LOT 2	0.548	0.548		\$ -	\$ 13.00	\$ -	\$ 13.00
219	290-17200	CON 7	PT LOT 1 & 2	45.550	45.550		\$ -	\$ 546.00	\$ -	\$ 546.00
Total affected Lands (Hectares)					218.475					
Total Assessment on Privately Owned Non-Agricultural Lands (Non-Grantable)							\$ 1,089.00	\$ 7,414.00	\$ -	\$ 8,503.00

3) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF LASALLE										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
270	170-05850	CON 2	PT LOT 8 & 9	38.640	4.108		\$ -	\$ 48.00	\$ -	\$ 48.00
271	170-08100	CON 2	PT LOT 9 & 10	17.967	14.575		\$ 179.00	\$ 156.00	\$ -	\$ 335.00
272	170-08510	CON 2	PT LOT 11 & 12	2.944	2.944		\$ -	\$ 35.00	\$ -	\$ 35.00
273	170-09000	CON 2	PT LOT 11 & 12	1.502	1.078		\$ -	\$ 6.00	\$ -	\$ 6.00
274	170-09200	CON 2	PT LOT 10 & 11	9.646	5.631		\$ 132.00	\$ 12.00	\$ -	\$ 144.00
275	180-01000	CON 2	PT LOT 14	14.744	2.485		\$ -	\$ 29.00	\$ -	\$ 29.00
276	180-01100	CON 2	PT LOT 14 & 15	17.176	2.485		\$ -	\$ 29.00	\$ -	\$ 29.00
277	180-26400	CON 2	PT LOT 15	5.659	2.963		\$ -	\$ 35.00	\$ -	\$ 35.00
278	180-26500	CON 2	PT LOT 15	7.217	3.693		\$ -	\$ 44.00	\$ -	\$ 44.00
279	180-26600	CON 2	PT LOT 13 & 14	28.776	7.916		\$ -	\$ 93.00	\$ -	\$ 93.00
280	180-26700	CON 2	PT LOT 12 & 13	1.318	1.318		\$ -	\$ 16.00	\$ -	\$ 16.00
281	180-26900	CON 2	PT LOT 12 & 13	7.724	2.684		\$ -	\$ 32.00	\$ -	\$ 32.00
282	260-00200	CON 3	PT LOT 5	4.876	4.876		\$ -	\$ 57.00	\$ -	\$ 57.00
283	260-00300	CON 3	PT LOT 5	12.181	12.181		\$ -	\$ 144.00	\$ -	\$ 144.00
284	260-00800	CON 3	PT LOT 4	2.933	2.933		\$ -	\$ 35.00	\$ -	\$ 35.00
285	260-01200	CON 3	PT LOT 4	17.738	17.738		\$ -	\$ 209.00	\$ -	\$ 209.00
286	260-10200	CON 3	PT LOT 3 & 4	0.266	0.266		\$ -	\$ 3.00	\$ -	\$ 3.00
287	260-10500	CON 3	PT LOT 4	16.572	16.572		\$ -	\$ 195.00	\$ -	\$ 195.00

3) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF LASALLE (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
288	260-10900	CON 3	PT LOT 4	13.927	13.927		\$ -	\$ 164.00	\$ -	\$ 164.00
289	270-00500	CON 3	PT LOT 8	11.801	11.801		\$ -	\$ 139.00	\$ -	\$ 139.00
290	270-00600	CON 3	PT LOT 8	11.828	11.828		\$ -	\$ 139.00	\$ -	\$ 139.00
291	270-00700	CON 3	PT LOT 8	9.038	9.038		\$ -	\$ 107.00	\$ -	\$ 107.00
292	270-00800	CON 3	PT LOT 8	11.089	11.089		\$ -	\$ 131.00	\$ -	\$ 131.00
293	270-02100	CON 3	PT LOT 8	7.953	7.953		\$ -	\$ 94.00	\$ -	\$ 94.00
294	270-02600	CON 3	PT LOT 7	4.426	4.426		\$ -	\$ 76.00	\$ -	\$ 76.00
295	270-02900	CON 3	PT LOT 6	6.697	6.697		\$ 169.00	\$ 110.00	\$ -	\$ 279.00
296	270-03700	CON 3	PT LOT 5	20.235	20.235		\$ -	\$ 239.00	\$ -	\$ 239.00
297	270-03800	CON 3	PT LOT 5	6.557	6.557		\$ -	\$ 77.00	\$ -	\$ 77.00
298	270-04300	CON 3	PT LOT 5	8.474	8.474		\$ -	\$ 100.00	\$ -	\$ 100.00
299	270-04400	CON 3	PT LOT 5	4.602	4.602		\$ -	\$ 124.00	\$ -	\$ 124.00
300	270-04600	CON 3	PT LOT 6	10.648	10.648		\$ -	\$ 289.00	\$ -	\$ 289.00
301	270-04900	CON 3	PT LOT 6	11.936	11.936		\$ 346.00	\$ 223.00	\$ -	\$ 569.00
302	270-05200	CON 3	PT LOT 6	10.470	10.470		\$ 363.00	\$ 251.00	\$ -	\$ 614.00
303	270-05500	CON 3	PT LOT 6	4.284	4.284		\$ 319.00	\$ 104.00	\$ -	\$ 423.00
304	270-06100	CON 3	PT LOT 7	58.044	58.044		\$ -	\$ 995.00	\$ -	\$ 995.00
305	270-07050	CON 3	PT LOT 8	7.057	7.057		\$ -	\$ 137.00	\$ -	\$ 137.00
306	280-00108	CON 4	PT LOT 6	5.791	5.791		\$ -	\$ 253.00	\$ -	\$ 253.00
307	280-00500	CON 4	PT LOT 8	8.382	5.900		\$ -	\$ 160.00	\$ -	\$ 160.00
308	280-00600	CON 4	PT LOT 8	9.415	6.190		\$ -	\$ 168.00	\$ -	\$ 168.00
309	280-01000	CON 4	PT LOT 8	8.229	6.360		\$ -	\$ 172.00	\$ -	\$ 172.00
310	280-01200	CON 4	PT LOT 8	5.924	3.536		\$ -	\$ 96.00	\$ -	\$ 96.00
311	280-01600	CON 4	PT LOT 8	6.898	5.525		\$ -	\$ 150.00	\$ -	\$ 150.00
312	280-01700	CON 4	PT LOT 8	5.261	5.261		\$ -	\$ 143.00	\$ -	\$ 143.00
313	280-02500	CON 4	PT LOT 7	5.014	5.014		\$ -	\$ 136.00	\$ -	\$ 136.00
314	280-03200	CON 4	PT LOT 7	8.036	8.036		\$ -	\$ 218.00	\$ -	\$ 218.00
315	280-03300	CON 4	PT LOT 7	10.565	10.565		\$ -	\$ 287.00	\$ -	\$ 287.00
316	280-03400	CON 4	PT LOT 7	9.307	9.307		\$ -	\$ 253.00	\$ -	\$ 253.00
317	280-03500	CON 4	PT LOT 6	47.002	47.002		\$ 1,034.00	\$ 1,575.00	\$ -	\$ 2,609.00
318	280-04110	CON 4	PT LOT 5	6.955	6.955		\$ 145.00	\$ 268.00	\$ -	\$ 413.00
319	280-04800	CON 4	PT LOT 5	8.303	8.303		\$ -	\$ 317.00	\$ -	\$ 317.00
320	280-09100	CON 4	PT LOT 3	5.484	5.484		\$ -	\$ 65.00	\$ -	\$ 65.00
321	280-09200	CON 4	PT LOT 3 & 4	4.252	4.252		\$ -	\$ 50.00	\$ -	\$ 50.00
322	280-09300	CON 4	PT LOT 4	12.125	12.125		\$ -	\$ 143.00	\$ -	\$ 143.00
323	280-09700	CON 4	PT LOT 4	9.545	9.545		\$ -	\$ 113.00	\$ -	\$ 113.00
324	280-09800	CON 4	PT LOT 4 & 5	14.920	14.920		\$ -	\$ 176.00	\$ -	\$ 176.00
325	280-10000	CON 4	PT LOT 4 & 5	15.772	15.772		\$ 474.00	\$ 584.00	\$ -	\$ 1,058.00
326	280-10700	CON 4	PT LOT 6	0.812	0.812		\$ -	\$ 35.00	\$ -	\$ 35.00
327	280-14100	CON 4	PT LOT 7	17.074	16.360		\$ -	\$ 444.00	\$ -	\$ 444.00
328	280-14500	CON 4	PT LOT 7	9.115	8.640		\$ -	\$ 234.00	\$ -	\$ 234.00
329	280-14700	CON 4	PT LOT 7	14.474	13.085		\$ -	\$ 354.00	\$ -	\$ 354.00
330	280-14850	CON 4	PT LOT 8	1.515	1.010		\$ -	\$ 27.00	\$ -	\$ 27.00
331	280-14900	CON 4	PT LOT 8	2.191	1.260		\$ -	\$ 34.00	\$ -	\$ 34.00
332	290-00300	CON 7	PT LOT 1	15.175	15.175		\$ -	\$ 179.00	\$ -	\$ 179.00
333	290-17000	CON 7	PT LOT 1,2 & 3	55.970	17.758		\$ -	\$ 209.00	\$ -	\$ 209.00
Total affected Lands (Hectares)					595.453					
Total Assessment on Privately Owned Agricultural Lands (Grantable)							\$ 3,161.00	\$ 11,520.00	\$ -	\$ 14,681.00

4) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
352	170-08600	CON 2	PT LOT 11 & 12	1.502	1.502		\$ -	\$ 10.00	\$ -	\$ 10.00
353	170-08700	CON 2	PT LOT 11 & 12	1.502	1.502		\$ -	\$ 10.00	\$ -	\$ 10.00
354	170-08800	CON 2	PT LOT 11 & 12	1.502	1.502		\$ -	\$ 10.00	\$ -	\$ 10.00
355	170-08900	CON 2	PT LOT 11 & 12	1.502	1.502		\$ -	\$ 10.00	\$ -	\$ 10.00
356	170-09100	CON 2	PT LOT 12	1.457	1.050		\$ -	\$ 6.00	\$ -	\$ 6.00
357	260-00350	CON 3	PT LOT 4 & 5	6.588	6.588		\$ -	\$ 78.00	\$ -	\$ 78.00
358	260-00500	CON 3	PT LOT 5	16.979	16.979		\$ -	\$ 200.00	\$ -	\$ 200.00
359	260-10000	CON 3	PT LOT 3 & 4	5.257	1.725		\$ -	\$ 20.00	\$ -	\$ 20.00
360	270-01100	CON 3	PT LOT 8	4.683	4.683		\$ -	\$ 55.00	\$ -	\$ 55.00
361	280-00900	CON 4	PT LOT 8	10.132	6.386		\$ -	\$ 173.00	\$ -	\$ 173.00

4) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
362	280-10800	CON 4	PT LOT 6	6.740	6.740		\$ -	\$ 294.00	\$ -	\$ 294.00
363	290-00100	CON 7	PT LOT 1	1.677	1.677		\$ -	\$ 20.00	\$ -	\$ 20.00
364	290-00200	CON 7	PT LOT 1	1.676	1.676		\$ -	\$ 20.00	\$ -	\$ 20.00
Total affected Lands (Hectares)				53.513						
Total Assessment on Privately Owned Agricultural Lands (Non-Grantable)							\$ -	\$ 906.00	\$ -	\$ 906.00

TOWN OF LASALLE - TOTAL ASSESSMENT FOR SCHEDULE A-2 - (Sections 1, 2, 3, & 4)							\$ 4,250.00	\$ 22,037.00	\$ -	\$ 26,287.00
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ASSESSMENTS IN THE TOWN OF TECUMSEH

5) ONTARIO OWNED LANDS IN THE TOWN OF TECUMSEH									
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT	
12	King's Highway No. 3	-	2.760	Ministry of Transportation of Ontario	\$ -	\$ 701.00	\$ -	\$ 701.00	
Total Affected Lands (Hectares)			2.760						
Total Assessment on Ontario Owned Lands					\$ -	\$ 701.00	\$ -	\$ 701.00	

6) MUNICIPAL ROADS IN THE TOWN OF TECUMSEH									
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT	
5	Holden Road	-	3.330	Town of Tecumseh	\$ -	\$ 841.00	\$ -	\$ 841.00	
6	South Talbot Road	-	3.320	Town of Tecumseh	\$ -	\$ 843.00	\$ -	\$ 843.00	
7	Oldcastle Road	-	1.120	Town of Tecumseh	\$ -	\$ 285.00	\$ -	\$ 285.00	
10	County Road 9 (Howard Avenue)	-	5.846	County of Essex	\$ -	\$ 972.00	\$ -	\$ 972.00	
11	County Road 11 (Walker Road)	-	3.750	County of Essex	\$ -	\$ 952.00	\$ -	\$ 952.00	
Total Affected Lands (Hectares)			17.366						
Total Assessment on Municipal Roads					\$ -	\$ 3,893.00	\$ -	\$ 3,893.00	

7) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
220	440-01200	CON 6	PT LOT 5 RP	0.510	0.510		\$ -	\$ 32.00	\$ -	\$ 32.00
221	440-01400	CON 6 N	PT LOT 5 RP	0.456	0.456		\$ -	\$ 30.00	\$ -	\$ 30.00
222	440-01502	CON 6	PT LOT 6 RP	1.026	1.026		\$ -	\$ 90.00	\$ -	\$ 90.00
223	440-01700	CON 6 N	PT LOT 7	0.343	0.343		\$ -	\$ 40.00	\$ -	\$ 40.00
224	440-01800	CON 6 N	PT LOT 7	0.193	0.193		\$ -	\$ 30.00	\$ -	\$ 30.00
225	440-01900	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 44.00	\$ -	\$ 44.00
226	440-02000	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 44.00	\$ -	\$ 44.00
227	450-01500	CON 5 N	PT LOT 4 RP	0.167	0.167		\$ -	\$ 26.00	\$ -	\$ 26.00
228	450-01700	CON 5 N	PT LOT 4 RP	0.137	0.137		\$ -	\$ 21.00	\$ -	\$ 21.00
229	450-01850	CON 5	PT LOT 5 RP	0.810	0.810		\$ -	\$ 17.00	\$ -	\$ 17.00
230	450-01910	CON 5	PT LOT 6	0.485	0.485		\$ -	\$ 12.00	\$ -	\$ 12.00
231	450-03000	CON 5 E	PT LOT 6 RP	0.561	0.561		\$ -	\$ 56.00	\$ -	\$ 56.00
232	450-03200	CON 5 E	PT LOT 6	0.211	0.211		\$ -	\$ 31.00	\$ -	\$ 31.00
233	450-03302	CON 5	PT LOT 6 RP	0.500	0.500		\$ -	\$ 52.00	\$ -	\$ 52.00
234	450-03310	CON 5	PT LOT 5 RP	0.426	0.426		\$ -	\$ 47.00	\$ -	\$ 47.00
235	450-03400	CON 5	PT LOT 5 RP	1.657	1.657		\$ -	\$ 125.00	\$ -	\$ 125.00
236	450-03500	CON 5 N	PT LOT 5	0.440	0.440		\$ -	\$ 47.00	\$ -	\$ 47.00
237	450-03600	CON 5	PT LOT 5	0.405	0.405		\$ -	\$ 45.00	\$ -	\$ 45.00
238	470-00300	CON STR S	PT LOT 302	0.279	0.279		\$ -	\$ 36.00	\$ -	\$ 36.00
239	470-00400	CON STR	PT LOT 302	0.323	0.323		\$ -	\$ 39.00	\$ -	\$ 39.00
241	470-00600	CON STR	PT LOT 302	0.372	0.372		\$ -	\$ 43.00	\$ -	\$ 43.00

7) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
242	470-00800	CON STR	PT LOT 303 RP	0.373	0.373		\$ -	\$ 43.00	\$ -	\$ 43.00
243	470-00900	CON STR S	PT LOT 303	0.456	0.456		\$ -	\$ 49.00	\$ -	\$ 49.00
244	470-05900	CON STR N	PT LOT 304	19.343	6.305		\$ -	\$ 361.00	\$ -	\$ 361.00
245	470-06000	CON STR N	PT LOT 304 RP	0.274	0.274		\$ -	\$ 36.00	\$ -	\$ 36.00
246	470-06200	CON STR N	PT LOT 303 RP	0.218	0.218		\$ -	\$ 32.00	\$ -	\$ 32.00
247	470-06300	CON STR N	PT LOT 303 RP	0.942	0.942		\$ -	\$ 83.00	\$ -	\$ 83.00
248	470-06400	CON STR N	PT LOT 303	0.258	0.258		\$ -	\$ 34.00	\$ -	\$ 34.00
249	470-06500	CON STR N	PT LOT 303	2.034	2.034		\$ -	\$ 143.00	\$ -	\$ 143.00
250	470-06700	CON STR	PT LOT 303	0.172	0.172		\$ -	\$ 26.00	\$ -	\$ 26.00
251	470-06900	CON STR N	PT LOT 303	0.215	0.215		\$ -	\$ 32.00	\$ -	\$ 32.00
252	470-07200	CON STR	PT LOT 302 RP	0.405	0.405		\$ -	\$ 45.00	\$ -	\$ 45.00
253	470-07201	CON STR N	PT LOT 302 RP	0.284	0.284		\$ -	\$ 36.00	\$ -	\$ 36.00
254	470-07202	CON STR	PT LOT 302 RP	0.435	0.435		\$ -	\$ 47.00	\$ -	\$ 47.00
255	470-07203	CON STR	PT LOT 302 RP	0.442	0.442		\$ -	\$ 47.00	\$ -	\$ 47.00
256	470-07300	CON STR N	PT LOT 302 RP	0.755	0.755		\$ -	\$ 70.00	\$ -	\$ 70.00
257	470-07500	CON STR N	PT LOT 303	0.173	0.173		\$ -	\$ 26.00	\$ -	\$ 26.00
258	470-07600	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 17.00	\$ -	\$ 17.00
259	470-07800	CON STR	PT LOT 303 RP	0.113	0.113		\$ -	\$ 17.00	\$ -	\$ 17.00
260	470-07820	CON STR	PT LOT 303 RP	0.124	0.124		\$ -	\$ 19.00	\$ -	\$ 19.00
261	470-07900	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 17.00	\$ -	\$ 17.00
262	470-08000	CON STR N	PT LOT 303 RP	0.118	0.118		\$ -	\$ 17.00	\$ -	\$ 17.00
263	470-08100	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 17.00	\$ -	\$ 17.00
264	470-08200	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 17.00	\$ -	\$ 17.00
265	470-08300	CON STR N	PT LOT 303	0.120	0.120		\$ -	\$ 18.00	\$ -	\$ 18.00
266	470-08400	CON STR N	PT LOT 303	0.103	0.103		\$ -	\$ 16.00	\$ -	\$ 16.00
267	470-08500	CON STR N	PT LOT 303	0.179	0.179		\$ -	\$ 27.00	\$ -	\$ 27.00
268	470-08600	CON STR N	PT LOT 303	2.089	2.089		\$ -	\$ 146.00	\$ -	\$ 146.00
269	470-08700	CON STR N	PT LOT 303	0.404	0.404		\$ -	\$ 45.00	\$ -	\$ 45.00
Total affected Lands (Hectares)					27.549					
Total Assessment on Privately Owned Non-Agricultural Lands (Non-Grantable)							\$ -	\$ 2,390.00	\$ -	\$ 2,390.00

8) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
334	440-01300	CON 6 S	PT LOT 5	9.772	9.490		\$ -	\$ 289.00	\$ -	\$ 289.00
335	440-01401	CON 6 N	PT LOT 5	13.703	12.870		\$ -	\$ 654.00	\$ -	\$ 654.00
336	440-01500	CON 6	PT LOT 6 RP	40.410	37.870		\$ -	\$ 1,923.00	\$ -	\$ 1,923.00
337	440-01600	CON 6 W	PT LOT 7	19.019	19.019		\$ -	\$ 966.00	\$ -	\$ 966.00
338	440-02100	CON 6	PT LOT 7 RP	19.521	6.070		\$ -	\$ 309.00	\$ -	\$ 309.00
339	450-01800	CON 5	PT LOT 5 RP	20.159	20.159		\$ -	\$ 1,025.00	\$ -	\$ 1,025.00
340	450-01810	CON 5	PT LOT 5 RP	35.951	35.951		\$ -	\$ 971.00	\$ -	\$ 971.00
341	450-01900	CON 5	PT LOT 6	56.109	56.109		\$ -	\$ 662.00	\$ -	\$ 662.00
342	450-02002	CON 5	PT LOT 7	0.809	0.809		\$ -	\$ 10.00	\$ -	\$ 10.00
343	450-02700	CON 5	PT LOT 7	48.026	20.740		\$ -	\$ 245.00	\$ -	\$ 245.00
344	450-02702	CON 5	PT LOT 7	36.894	19.650		\$ -	\$ 232.00	\$ -	\$ 232.00
345	450-03300	CON 5 E	PT LOT 6	9.371	9.752		\$ -	\$ 115.00	\$ -	\$ 115.00
346	450-03700	CON 5 E	PT LOT 5	28.241	28.241		\$ -	\$ 1,435.00	\$ -	\$ 1,435.00
347	470-00500	CON STR	PT LOT 302	25.373	25.373		\$ -	\$ 1,289.00	\$ -	\$ 1,289.00
348	470-00700	CON STR	PT LOT 303	39.533	39.533		\$ -	\$ 2,009.00	\$ -	\$ 2,009.00
349	470-06600	CON STR N	PT LOT 303	4.094	4.094		\$ -	\$ 208.00	\$ -	\$ 208.00
350	470-07400	CON STR S	PT LOT 302	4.706	4.706		\$ -	\$ 238.00	\$ -	\$ 238.00
351	470-08800	CON STR N	PT LOT 302	11.460	11.460	\$ -	\$ 582.00	\$ -	\$ 582.00	
Total affected Lands (Hectares)					361.897					
Total Assessment on Privately Owned Agricultural Lands (Grantable)							\$ -	\$ 13,162.00	\$ -	\$ 13,162.00

9) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
365	440-01220	CON 6	PT LOT 4 & 5	25.210	25.210		\$ -	\$ 768.00	\$ -	\$ 768.00
366	450-01600	CON 5 N	PT LOT 4 RP	27.565	26.360		\$ -	\$ 1,339.00	\$ -	\$ 1,339.00
367	450-02910	CON 5	PT LOT 6 RP	9.897	9.897		\$ -	\$ 117.00	\$ -	\$ 117.00
368	470-06100	CON STR N	PT LOT 303	17.191	17.191		\$ -	\$ 873.00	\$ -	\$ 873.00
369	470-06800	CON STR	PT LOT 303	2.242	2.242		\$ -	\$ 113.00	\$ -	\$ 113.00
370	470-07000	CON STR N	PT LOT 303	2.180	2.180		\$ -	\$ 111.00	\$ -	\$ 111.00
371	470-07100	CON STR N	PT LOT 303	4.850	4.850		\$ -	\$ 246.00	\$ -	\$ 246.00
Total affected Lands (Hectares)					87.931					
Total Assessment on Privately Owned Agricultural Lands (Non-Grantable)							\$ -	\$ 3,567.00	\$ -	\$ 3,567.00
TOWN OF TECUMSEH - TOTAL ASSESSMENT FOR SCHEDULE A-2 - (Sections 5, 6, 7, 8 & 9)							\$ -	\$ 23,713.00	\$ -	\$ 23,713.00
GRAND TOTAL ASSESSMENT FOR SCHEDULE A-2 (TOWN OF LASALLE & TOWN OF TECUMSEH)							\$ 4,250.00	\$ 45,750.00	\$ -	\$ 50,000.00

TOTAL LANDS AFFECTED (Hectares)	
a) Ontario Lands	2.760
b) Municipal Roads	38.412
c) Non-Agricultural Lands	246.023
d) Agricultural Lands (Grantable)	957.350
e) Agricultural Lands (Non-grantable)	141.443
Total Lands Affected:	1385.989

NOTE: Assessment Values have been rounded to the nearest whole dollar for presentation purposes.

1 Hectare = 2.471 Acres

SCHEDULE A-2 - TOTAL ASSESSMENT BREAKDOWN BY MUNICIPALITY	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
TOWN OF LASALLE - TOTAL ASSESSMENT FOR SCHEDULE A-1 - (Sections 1, 2, 3, & 4)	\$ 4,250.00	\$ 22,037.00	\$ -	\$ 26,287.00
TOWN OF TECUMSEH - TOTAL ASSESSMENT FOR SCHEDULE A-1 - (Sections 5, 6, 7, 8 & 9)	\$ -	\$ 23,713.00	\$ -	\$ 23,713.00
GRAND TOTAL ASSESSMENT FOR SCHEDULE A-2 (TOWN OF LASALLE & TOWN OF TECUMSEH)	\$ 4,250.00	\$ 45,750.00	\$ -	\$ 50,000.00

SCHEDULE A-2 - ASSESSMENT BREAKDOWN BY LAND CATEGORY	TOWN OF LASALLE	TOWN OF TECUMSEH	TOTAL ASSESSMENT
ONTARIO OWNED LANDS (Section 5)	\$ -	\$ 701.00	\$ 701.00
MUNICIPAL ROADS - (Sections 1 & 6)	\$ 2,197.00	\$ 3,893.00	\$ 6,090.00
PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) - (Sections 2 & 7)	\$ 8,503.00	\$ 2,390.00	\$ 10,893.00
PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) - (Sections 3 & 8)	\$ 14,681.00	\$ 13,162.00	\$ 27,843.00
PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) - (Sections 4 & 8)	\$ 906.00	\$ 3,567.00	\$ 4,473.00
GRAND TOTAL ASSESSMENT FOR SCHEDULE A-2 (TOWN OF LASALLE & TOWN OF TECUMSEH)	\$ 26,287.00	\$ 23,713.00	\$ 50,000.00

SCHEDULE A-3
SCHEDULE OF ASSESSMENT FOR FUTURE MAINTENANCE
OF THE PART OF THE 4TH CONCESSION DRAIN
IN THE TOWN OF TECUMSEH

ASSESSMENTS IN THE TOWN OF TECUMSEH

1) ONTARIO OWNED LANDS IN THE TOWN OF TECUMSEH								
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
12	King's Highway No. 3	-	2.760	Ministry of Transportation of Ontario	\$ -	\$ 600.00	\$ -	\$ 600.00
Total Affected Lands (Hectares)			2.760					
Total Assessment on Ontario Lands					\$ -	\$ 600.00	\$ -	\$ 600.00

2) MUNICIPAL ROADS IN THE TOWN OF TECUMSEH								
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
5	Holden Road	-	3.330	Town of Tecumseh	\$ -	\$ 724.00	\$ -	\$ 724.00
6	South Talbot Road	-	3.320	Town of Tecumseh	\$ -	\$ 722.00	\$ -	\$ 722.00
7	Oldcastle Road	-	1.120	Town of Tecumseh	\$ -	\$ 244.00	\$ -	\$ 244.00
11	County Road 11 (Walker Road)	-	3.750	County of Essex	\$ -	\$ 814.00	\$ -	\$ 814.00
Total Affected Lands (Hectares)			11.520					
Total Assessment on Municipal Roads					\$ -	\$ 2,504.00	\$ -	\$ 2,504.00

3) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
220	440-01200	CON 6	PT LOT 5 RP	0.510	0.510		\$ -	\$ 27.00	\$ -	\$ 27.00
221	440-01400	CON 6 N	PT LOT 5 RP	0.456	0.456		\$ -	\$ 25.00	\$ -	\$ 25.00
222	440-01502	CON 6	PT LOT 6 RP	1.026	1.026		\$ -	\$ 76.00	\$ -	\$ 76.00
223	440-01700	CON 6 N	PT LOT 7	0.343	0.343		\$ -	\$ 35.00	\$ -	\$ 35.00
224	440-01800	CON 6 N	PT LOT 7	0.193	0.193		\$ -	\$ 25.00	\$ -	\$ 25.00
225	440-01900	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 38.00	\$ -	\$ 38.00
226	440-02000	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 38.00	\$ -	\$ 38.00
231	450-03000	CON 5 E	PT LOT 6 RP	0.561	0.561		\$ -	\$ 48.00	\$ -	\$ 48.00
232	450-03200	CON 5 E	PT LOT 6	0.211	0.211		\$ -	\$ 27.00	\$ -	\$ 27.00
233	450-03302	CON 5	PT LOT 6 RP	0.500	0.500		\$ -	\$ 44.00	\$ -	\$ 44.00
234	450-03310	CON 5	PT LOT 5 RP	0.426	0.426		\$ -	\$ 40.00	\$ -	\$ 40.00
235	450-03400	CON 5	PT LOT 5 RP	1.657	1.657		\$ 126.00	\$ 107.00	\$ -	\$ 233.00
236	450-03500	CON 5 N	PT LOT 5	0.440	0.440		\$ 100.00	\$ 41.00	\$ -	\$ 141.00
237	450-03600	CON 5	PT LOT 5	0.405	0.405		\$ -	\$ 39.00	\$ -	\$ 39.00
238	470-00300	CON STR S	PT LOT 302	0.279	0.279		\$ -	\$ 31.00	\$ -	\$ 31.00
239	470-00400	CON STR	PT LOT 302	0.323	0.323		\$ -	\$ 34.00	\$ -	\$ 34.00
241	470-00600	CON STR	PT LOT 302	0.372	0.372		\$ -	\$ 37.00	\$ -	\$ 37.00
242	470-00800	CON STR	PT LOT 303 RP	0.373	0.373		\$ -	\$ 37.00	\$ -	\$ 37.00
243	470-00900	CON STR S	PT LOT 303	0.456	0.456		\$ -	\$ 42.00	\$ -	\$ 42.00
244	470-05900	CON STR N	PT LOT 304	19.343	6.305		\$ -	\$ 309.00	\$ -	\$ 309.00
245	470-06000	CON STR N	PT LOT 304 RP	0.274	0.274		\$ -	\$ 31.00	\$ -	\$ 31.00
246	470-06200	CON STR N	PT LOT 303 RP	0.218	0.218		\$ -	\$ 27.00	\$ -	\$ 27.00
247	470-06300	CON STR N	PT LOT 303 RP	0.942	0.942		\$ -	\$ 71.00	\$ -	\$ 71.00
248	470-06400	CON STR N	PT LOT 303	0.258	0.258		\$ -	\$ 30.00	\$ -	\$ 30.00
249	470-06500	CON STR N	PT LOT 303	2.034	2.034		\$ -	\$ 123.00	\$ -	\$ 123.00
250	470-06700	CON STR	PT LOT 303	0.172	0.172		\$ -	\$ 22.00	\$ -	\$ 22.00
251	470-06900	CON STR N	PT LOT 303	0.215	0.215		\$ -	\$ 27.00	\$ -	\$ 27.00
252	470-07200	CON STR	PT LOT 302 RP	0.405	0.405		\$ -	\$ 39.00	\$ -	\$ 39.00
253	470-07201	CON STR N	PT LOT 302 RP	0.284	0.284		\$ -	\$ 31.00	\$ -	\$ 31.00
254	470-07202	CON STR	PT LOT 302 RP	0.435	0.435		\$ -	\$ 40.00	\$ -	\$ 40.00
255	470-07203	CON STR	PT LOT 302 RP	0.442	0.442		\$ -	\$ 41.00	\$ -	\$ 41.00
256	470-07300	CON STR N	PT LOT 302 RP	0.755	0.755		\$ -	\$ 60.00	\$ -	\$ 60.00
257	470-07500	CON STR N	PT LOT 303	0.173	0.173		\$ -	\$ 23.00	\$ -	\$ 23.00

3) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
258	470-07600	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 15.00	\$ -	\$ 15.00
259	470-07800	CON STR	PT LOT 303 RP	0.113	0.113		\$ -	\$ 15.00	\$ -	\$ 15.00
260	470-07820	CON STR	PT LOT 303 RP	0.124	0.124		\$ -	\$ 16.00	\$ -	\$ 16.00
261	470-07900	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 15.00	\$ -	\$ 15.00
262	470-08000	CON STR N	PT LOT 303 RP	0.118	0.118		\$ -	\$ 15.00	\$ -	\$ 15.00
263	470-08100	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 15.00	\$ -	\$ 15.00
264	470-08200	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 16.00	\$ -	\$ 16.00
265	470-08300	CON STR N	PT LOT 303	0.120	0.120		\$ -	\$ 16.00	\$ -	\$ 16.00
266	470-08400	CON STR N	PT LOT 303	0.103	0.103		\$ -	\$ 13.00	\$ -	\$ 13.00
267	470-08500	CON STR N	PT LOT 303	0.179	0.179		\$ -	\$ 23.00	\$ -	\$ 23.00
268	470-08600	CON STR N	PT LOT 303	2.089	2.089		\$ -	\$ 126.00	\$ -	\$ 126.00
269	470-08700	CON STR N	PT LOT 303	0.404	0.404		\$ -	\$ 39.00	\$ -	\$ 39.00
Total affected Lands (Hectares)					25.950					
Total Assessment on Privately Owned Non-Agricultural Lands (Non-Grantable)							\$ 226.00	\$ 1,989.00	\$ -	\$ 2,215.00

4) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
334	440-01300	CON 6 S	PT LOT 5	9.772	9.490		\$ -	\$ 248.00	\$ -	\$ 248.00
335	440-01401	CON 6 N	PT LOT 5	13.703	12.870		\$ -	\$ 560.00	\$ -	\$ 560.00
336	440-01500	CON 6	PT LOT 6 RP	40.410	37.870		\$ -	\$ 1,648.00	\$ -	\$ 1,648.00
337	440-01600	CON 6 W	PT LOT 7	19.019	19.019		\$ -	\$ 827.00	\$ -	\$ 827.00
338	440-02100	CON 6	PT LOT 7 RP	19.521	6.070		\$ -	\$ 264.00	\$ -	\$ 264.00
339	450-01800	CON 5	PT LOT 5 RP	20.159	20.159		\$ 980.00	\$ 439.00	\$ -	\$ 1,419.00
340	450-01810	CON 5	PT LOT 5 RP	35.951	35.951		\$ 845.00	\$ 250.00	\$ -	\$ 1,095.00
346	450-03700	CON 5 E	PT LOT 5	28.241	28.241		\$ 1,098.00	\$ 983.00	\$ -	\$ 2,081.00
347	470-00500	CON STR	PT LOT 302	25.373	25.373		\$ -	\$ 1,104.00	\$ -	\$ 1,104.00
348	470-00700	CON STR	PT LOT 303	39.533	39.533		\$ -	\$ 1,720.00	\$ -	\$ 1,720.00
349	470-06600	CON STR N	PT LOT 303	4.094	4.094		\$ -	\$ 178.00	\$ -	\$ 178.00
350	470-07400	CON STR S	PT LOT 302	4.706	4.706		\$ -	\$ 205.00	\$ -	\$ 205.00
351	470-08800	CON STR N	PT LOT 302	11.460	11.460		\$ -	\$ 499.00	\$ -	\$ 499.00
Total affected Lands (Hectares)					254.836					
Total Assessment on Privately Owned Agricultural Lands (Grantable)							\$ 2,923.00	\$ 8,925.00	\$ -	\$ 11,848.00

5) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
365	440-01220	CON 6	PT LOT 4 & 5	25.210	25.210		\$ -	\$ 658.00	\$ -	\$ 658.00
366	450-01600	CON 5 N	PT LOT 4 RP	27.565	26.360		\$ 851.00	\$ 172.00	\$ -	\$ 1,023.00
368	470-06100	CON STR N	PT LOT 303	17.191	17.191		\$ -	\$ 748.00	\$ -	\$ 748.00
369	470-06800	CON STR	PT LOT 303	2.242	2.242		\$ -	\$ 98.00	\$ -	\$ 98.00
370	470-07000	CON STR N	PT LOT 303	2.180	2.180		\$ -	\$ 95.00	\$ -	\$ 95.00
371	470-07100	CON STR N	PT LOT 303	4.850	4.850		\$ -	\$ 211.00	\$ -	\$ 211.00
Total affected Lands (Hectares)					78.033					
Total Assessment on Privately Owned Agricultural Lands (Non-Grantable)							\$ 851.00	\$ 1,982.00	\$ -	\$ 2,833.00

TOWN OF TECUMSEH - TOTAL ASSESSMENT FOR SCHEDULE A-3 - (Sections 1, 2, 3, 4 & 5)	\$ 4,000.00	\$ 16,000.00	\$ -	\$ 20,000.00
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TOTAL LANDS AFFECTED (Ha)	
a) Ontario Owned Lands	2.760
b) Municipal Roads	11.520
c) Non-Agricultural Lands	25.950
d) Agricultural Lands (Grantable)	254.836
e) Agricultural Lands (Non-grantable)	78.033
Total Lands Affected:	373.100

NOTE: Assessment Values have been rounded to the nearest whole dollar for presentation purposes.

1 Hectare = 2.471 Acres

SCHEDULE A-4
SCHEDULE OF ASSESSMENT FOR FUTURE MAINTENANCE OF CULVERTS
ON THE 4TH CONCESSION DRAIN
IN THE TOWN OF LASALLE

ASSESSMENTS IN THE TOWN OF LASALLE

1) MUNICIPAL ROADS IN THE TOWN OF LASALLE								
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
3	Broderick Road	-	5.488	Town of Lasalle	\$ -	\$ 1,334.00	\$ -	\$ 1,334.00
4	Eighth Concession Road	-	1.012	Town of Lasalle	\$ -	\$ 246.00	\$ -	\$ 246.00
8	County Road 7 (Huron Church Line Road)	-	4.380	County of Essex	\$ -	\$ 1,064.00	\$ -	\$ 1,064.00
Total Affected Lands (Hectares)			10.880					
Total Assessment on Municipal Roads					\$ -	\$ 2,644.00	\$ -	\$ 2,644.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
68	270-02200	CON 3	PT LOT 7	4.265	4.265		\$ -	\$ 246.00	\$ -	\$ 246.00
71	270-02300	CON 3	PT LOT 7	1.858	1.858		\$ -	\$ 129.00	\$ -	\$ 129.00
72	270-02400	CON 3	PT LOT 7	1.854	1.854		\$ -	\$ 129.00	\$ -	\$ 129.00
73	270-02500	CON 3	PT LOT 7	2.451	2.451		\$ -	\$ 158.00	\$ -	\$ 158.00
77	270-03100	CON 3	PT LOT 6	2.489	2.489		\$ -	\$ 160.00	\$ -	\$ 160.00
78	270-03200	CON 3	PT LOT 6	1.356	1.356		\$ -	\$ 105.00	\$ -	\$ 105.00
79	270-03300	CON 3	PT LOT 6	1.205	1.205		\$ -	\$ 97.00	\$ -	\$ 97.00
80	270-03350	CON 3	PT LOT 6	1.816	1.816		\$ -	\$ 127.00	\$ -	\$ 127.00
81	270-03370	CON 3	PT LOT 6	1.816	1.816		\$ -	\$ 127.00	\$ -	\$ 127.00
90	270-04500	CON 3	PT LOT 6	0.255	0.255		\$ -	\$ 33.00	\$ -	\$ 33.00
91	270-04700	CON 3	PT LOT 6	2.382	2.382		\$ -	\$ 155.00	\$ -	\$ 155.00
92	270-04740	CON 3	PT LOT 6	10.483	10.483		\$ -	\$ 255.00	\$ -	\$ 255.00
93	270-04750	CON 3	PT LOT 6	3.639	3.639		\$ -	\$ 216.00	\$ -	\$ 216.00
94	270-04800	CON 3	PT LOT 6	0.186	0.186		\$ -	\$ 27.00	\$ -	\$ 27.00
95	270-05000	CON 3	PT LOT 6	0.139	0.139		\$ -	\$ 20.00	\$ -	\$ 20.00
96	270-05100	CON 3	PT LOT 6	0.139	0.139		\$ -	\$ 20.00	\$ -	\$ 20.00
97	270-05300	CON 3	PT LOT 6	0.748	0.748		\$ -	\$ 66.00	\$ -	\$ 66.00
98	270-05400	CON 3	PT LOT 6	0.256	0.256		\$ -	\$ 33.00	\$ -	\$ 33.00
99	270-05600	CON 3 N	PT LOT 7	0.383	0.383		\$ -	\$ 42.00	\$ -	\$ 42.00
100	270-05700	CON 3 N	PT LOT 7	0.421	0.421		\$ -	\$ 44.00	\$ -	\$ 44.00
101	270-05800	CON 3	PT LOT 7	1.047	1.047		\$ -	\$ 87.00	\$ -	\$ 87.00
102	270-05850	CON 3	PT LOT 7	0.513	0.513		\$ -	\$ 50.00	\$ -	\$ 50.00
103	270-05900	CON 3	PT LOT 7	0.513	0.513		\$ -	\$ 50.00	\$ -	\$ 50.00
104	270-06000	CON 3	PT LOT 7	0.810	0.810		\$ -	\$ 71.00	\$ -	\$ 71.00
105	270-06050	CON 3	PT LOT 7	0.195	0.195		\$ -	\$ 28.00	\$ -	\$ 28.00
106	270-06200	CON 3	PT LOT 7	0.158	0.158		\$ -	\$ 23.00	\$ -	\$ 23.00
107	270-06300	CON 3	PT LOT 7	0.275	0.275		\$ -	\$ 34.00	\$ -	\$ 34.00
108	270-06400	CON 3	PT LOT 7	0.279	0.279		\$ -	\$ 35.00	\$ -	\$ 35.00
109	270-06450	CON 3	PT LOT 7	0.188	0.188		\$ -	\$ 27.00	\$ -	\$ 27.00
110	270-06500	CON 3	PT LOT 8	0.118	0.118		\$ -	\$ 17.00	\$ -	\$ 17.00
111	270-06600	CON 3	PT LOT 8	0.105	0.105		\$ -	\$ 15.00	\$ -	\$ 15.00
112	270-06800	CON 3	PT LOT 8	0.139	0.139		\$ -	\$ 20.00	\$ -	\$ 20.00
113	270-06900	CON 3	PT LOT 8	0.139	0.139		\$ -	\$ 20.00	\$ -	\$ 20.00
114	270-07000	CON 3	PT LOT 8	0.139	0.139		\$ -	\$ 20.00	\$ -	\$ 20.00
115	270-07120	CON 3	PT LOT 8	0.724	0.724		\$ -	\$ 65.00	\$ -	\$ 65.00
116	270-07150	CON 3	PT LOT 8	0.805	0.805		\$ -	\$ 70.00	\$ -	\$ 70.00
117	270-07200	CON 3	PT LOT 8	0.406	0.406		\$ -	\$ 43.00	\$ -	\$ 43.00
118	270-07250	CON 3	PT LOT 8	0.405	0.405		\$ -	\$ 43.00	\$ -	\$ 43.00
119	270-07300	CON 3	PT LOT 8	3.979	3.979		\$ -	\$ 232.00	\$ -	\$ 232.00
120	270-07400	CON 3	PT LOT 8	0.807	0.526		\$ -	\$ 51.00	\$ -	\$ 51.00
121	270-07450	CON 3	PT LOT 8	1.213	1.213		\$ -	\$ 98.00	\$ -	\$ 98.00
122	280-01800	CON 4	PT LOT 8	0.394	0.394		\$ -	\$ 42.00	\$ -	\$ 42.00
123	280-01900	CON 4	PT LOT 8	0.415	0.415		\$ -	\$ 44.00	\$ -	\$ 44.00
124	280-02000	CON 4	PT LOT 8	0.357	0.357		\$ -	\$ 40.00	\$ -	\$ 40.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)

PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
125	280-02100	CON 4	PT LOT 8	0.443	0.443		\$ -	\$ 46.00	\$ -	\$ 46.00
126	280-02200	CON 4	PT LOT 8	0.416	0.416		\$ -	\$ 44.00	\$ -	\$ 44.00
127	280-02300	CON 4	PT LOT 7	0.369	0.369		\$ -	\$ 41.00	\$ -	\$ 41.00
128	280-02400	CON 4	PT LOT 7	0.242	0.242		\$ -	\$ 32.00	\$ -	\$ 32.00
129	280-02600	CON 4	PT LOT 7	0.134	0.134		\$ -	\$ 20.00	\$ -	\$ 20.00
130	280-02700	CON 4	PT LOT 7	0.229	0.229		\$ -	\$ 31.00	\$ -	\$ 31.00
131	280-02800	CON 4	PT LOT 7	0.229	0.229		\$ -	\$ 31.00	\$ -	\$ 31.00
132	280-02900	CON 4	PT LOT 7	0.220	0.220		\$ -	\$ 31.00	\$ -	\$ 31.00
133	280-03000	CON 4	PT LOT 7	0.744	0.744		\$ -	\$ 66.00	\$ -	\$ 66.00
134	280-03100	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 27.00	\$ -	\$ 27.00
135	280-03110	CON 4	PT LOT 7	0.229	0.229		\$ -	\$ 31.00	\$ -	\$ 31.00
136	280-03410	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 27.00	\$ -	\$ 27.00
137	280-03420	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 27.00	\$ -	\$ 27.00
138	280-03430	CON 4	PT LOT 7	0.186	0.186		\$ -	\$ 27.00	\$ -	\$ 27.00
139	280-03600	CON 4	PT LOT 6	0.140	0.140		\$ -	\$ 20.00	\$ -	\$ 20.00
140	280-03650	CON 4	PT LOT 6	0.284	0.284		\$ -	\$ 35.00	\$ -	\$ 35.00
141	280-03700	CON 4	PT LOT 6	0.140	0.140		\$ -	\$ 20.00	\$ -	\$ 20.00
142	280-03800	CON 4	PT LOT 6	0.588	0.588		\$ -	\$ 56.00	\$ -	\$ 56.00
143	280-03900	CON 4	PT LOT 6	1.249	1.249		\$ -	\$ 100.00	\$ -	\$ 100.00
144	280-04000	CON 4	PT LOT 6	0.187	0.187		\$ -	\$ 27.00	\$ -	\$ 27.00
145	280-04100	CON 4	PT LOT 5	0.187	0.187		\$ -	\$ 27.00	\$ -	\$ 27.00
146	280-04200	CON 4	PT LOT 5	0.186	0.186		\$ -	\$ 27.00	\$ -	\$ 27.00
147	280-04300	CON 4	PT LOT 5	1.220	1.220		\$ -	\$ 98.00	\$ -	\$ 98.00
148	280-04400	CON 4	PT LOT 5	0.814	0.814		\$ -	\$ 71.00	\$ -	\$ 71.00
149	280-04500	CON 4	PT LOT 5	0.814	0.814		\$ -	\$ 71.00	\$ -	\$ 71.00
176	280-10100	CON 4	PT LOT 5	0.781	0.781		\$ -	\$ 69.00	\$ -	\$ 69.00
177	280-10200	CON 4	PT LOT 5	0.822	0.822		\$ -	\$ 71.00	\$ -	\$ 71.00
178	280-10300	CON 4	PT LOT 5 & 6	0.786	0.786		\$ -	\$ 69.00	\$ -	\$ 69.00
179	280-10400	CON 4	PT LOT 6	0.807	0.807		\$ -	\$ 70.00	\$ -	\$ 70.00
180	280-10500	CON 4	PT LOT 5 & 6	6.332	6.332		\$ -	\$ 347.00	\$ -	\$ 347.00
181	280-10600	CON 4	PT LOT 6	0.809	0.809		\$ -	\$ 71.00	\$ -	\$ 71.00
182	280-10610	CON 4	PT LOT 6	0.888	0.888		\$ -	\$ 76.00	\$ -	\$ 76.00
183	280-10620	CON 4	PT LOT 6	0.809	0.809		\$ -	\$ 71.00	\$ -	\$ 71.00
184	280-10900	CON 8	PT LOT 1	0.823	0.823		\$ -	\$ 72.00	\$ -	\$ 72.00
185	280-11000	CON 8	PT LOT 1	0.747	0.747		\$ -	\$ 66.00	\$ -	\$ 66.00
186	280-11100	CON 8	PT LOT 1	0.901	0.901		\$ -	\$ 77.00	\$ -	\$ 77.00
187	280-11200	CON 8	PT LOT 1	0.797	0.797		\$ -	\$ 70.00	\$ -	\$ 70.00
188	280-11400	CON 8	PT LOT 1	0.953	0.953		\$ -	\$ 80.00	\$ -	\$ 80.00
189	280-11500	CON 8	PT LOT 1	0.962	0.962		\$ -	\$ 81.00	\$ -	\$ 81.00
190	280-11600	CON 8	PT LOT 1	1.082	1.082		\$ -	\$ 89.00	\$ -	\$ 89.00
191	280-11700	CON 8	PT LOT 1	1.202	1.202		\$ -	\$ 97.00	\$ -	\$ 97.00
192	280-11800	CON 8	PT LOT 1	0.938	0.938		\$ -	\$ 79.00	\$ -	\$ 79.00
193	280-11900	CON 8	PT LOT 1	1.279	1.279		\$ -	\$ 101.00	\$ -	\$ 101.00
194	280-12000	CON 8	PT LOT 1	0.721	0.721		\$ -	\$ 65.00	\$ -	\$ 65.00
195	280-12050	CON 8	PT LOT 1	0.611	0.611		\$ -	\$ 57.00	\$ -	\$ 57.00
196	280-12100	CON 8	PT LOT 1	1.326	1.326		\$ -	\$ 103.00	\$ -	\$ 103.00
197	280-12200	CON 8	PT LOT 1	1.260	1.260		\$ -	\$ 100.00	\$ -	\$ 100.00
198	280-12400	CON 8	PT LOT 1	0.852	0.852		\$ -	\$ 73.00	\$ -	\$ 73.00
199	280-12500	CON 8	PT LOT 1	0.815	0.815		\$ -	\$ 71.00	\$ -	\$ 71.00
200	280-12600	CON 8	PT LOT 1	0.815	0.815		\$ -	\$ 71.00	\$ -	\$ 71.00
201	280-12700	CON 8	PT LOT 1	0.815	0.815		\$ -	\$ 71.00	\$ -	\$ 71.00
202	280-12800	CON 8	PT LOT 1	0.816	0.816		\$ -	\$ 71.00	\$ -	\$ 71.00
203	280-12900	CON 8	PT LOT 1	0.937	0.937		\$ -	\$ 79.00	\$ -	\$ 79.00
204	280-13000	CON 8	PT LOT 1	1.054	1.054		\$ -	\$ 87.00	\$ -	\$ 87.00
205	280-13100	CON 8	PT LOT 1	0.820	0.820		\$ -	\$ 71.00	\$ -	\$ 71.00
206	280-13200	CON 8	PT LOT 1	0.821	0.821		\$ -	\$ 71.00	\$ -	\$ 71.00
207	280-13300	CON 8	PT LOT 1	0.821	0.821		\$ -	\$ 71.00	\$ -	\$ 71.00
208	280-13400	CON 8	PT LOT 1	0.821	0.821		\$ -	\$ 71.00	\$ -	\$ 71.00
209	280-13500	CON 8	PT LOT 1	0.822	0.822		\$ -	\$ 71.00	\$ -	\$ 71.00
210	280-13600	CON 8	PT LOT 1	0.822	0.822		\$ -	\$ 71.00	\$ -	\$ 71.00
211	280-13700	CON 8	PT LOT 1	0.820	0.820		\$ -	\$ 71.00	\$ -	\$ 71.00
212	280-13800	CON 8	PT LOT 1	1.055	1.055		\$ -	\$ 87.00	\$ -	\$ 87.00
213	280-13820	CON 4	PT LOT 6	0.921	0.921		\$ -	\$ 78.00	\$ -	\$ 78.00
214	280-14000	CON 4	PT LOT 6	3.984	3.984		\$ -	\$ 233.00	\$ -	\$ 233.00

2) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
215	280-14050	CON 4	PT LOT 6	0.446	0.446		\$ -	\$ 46.00	\$ -	\$ 46.00
216	280-14200	CON 4	PT LOT 7	2.740	1.390		\$ -	\$ 106.00	\$ -	\$ 106.00
217	280-14800	CON 4	PT LOT 8	8.402	5.990		\$ -	\$ 330.00	\$ -	\$ 330.00
Total affected Lands (Hectares)					113.068					
Total Assessment on Privately Owned Non-Agricultural Lands (Non-Grantable)							\$ -	\$ 8,328.00	\$ -	\$ 8,328.00

3) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF LASALLE										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
294	270-02600	CON 3	PT LOT 7	4.426	4.426		\$ -	\$ 215.00	\$ -	\$ 215.00
295	270-02900	CON 3	PT LOT 6	6.697	6.697		\$ -	\$ 325.00	\$ -	\$ 325.00
299	270-04400	CON 3	PT LOT 5	4.602	4.602		\$ -	\$ 224.00	\$ -	\$ 224.00
300	270-04600	CON 3	PT LOT 6	10.648	10.648		\$ -	\$ 517.00	\$ -	\$ 517.00
301	270-04900	CON 3	PT LOT 6	11.936	11.936		\$ -	\$ 580.00	\$ -	\$ 580.00
302	270-05200	CON 3	PT LOT 6	10.470	10.470		\$ -	\$ 509.00	\$ -	\$ 509.00
303	270-05500	CON 3	PT LOT 6	4.284	4.284		\$ -	\$ 208.00	\$ -	\$ 208.00
304	270-06100	CON 3	PT LOT 7	58.044	58.044		\$ -	\$ 2,821.00	\$ -	\$ 2,821.00
305	270-07050	CON 3	PT LOT 8	7.057	7.057		\$ -	\$ 343.00	\$ -	\$ 343.00
306	280-00108	CON 4	PT LOT 6	5.791	5.791		\$ -	\$ 281.00	\$ -	\$ 281.00
307	280-00500	CON 4	PT LOT 8	8.382	5.900		\$ -	\$ 287.00	\$ -	\$ 287.00
308	280-00600	CON 4	PT LOT 8	9.415	6.190		\$ -	\$ 301.00	\$ -	\$ 301.00
309	280-01000	CON 4	PT LOT 8	8.229	6.360		\$ -	\$ 309.00	\$ -	\$ 309.00
310	280-01200	CON 4	PT LOT 8	5.924	3.536		\$ -	\$ 172.00	\$ -	\$ 172.00
311	280-01600	CON 4	PT LOT 8	6.898	5.525		\$ -	\$ 269.00	\$ -	\$ 269.00
312	280-01700	CON 4	PT LOT 8	5.261	5.261		\$ -	\$ 256.00	\$ -	\$ 256.00
313	280-02500	CON 4	PT LOT 7	5.014	5.014		\$ -	\$ 244.00	\$ -	\$ 244.00
314	280-03200	CON 4	PT LOT 7	8.036	8.036		\$ -	\$ 391.00	\$ -	\$ 391.00
315	280-03300	CON 4	PT LOT 7	10.565	10.565		\$ -	\$ 513.00	\$ -	\$ 513.00
316	280-03400	CON 4	PT LOT 7	9.307	9.307		\$ -	\$ 452.00	\$ -	\$ 452.00
317	280-03500	CON 4	PT LOT 6	47.002	47.002		\$ -	\$ 2,284.00	\$ -	\$ 2,284.00
318	280-04110	CON 4	PT LOT 5	6.955	6.955		\$ -	\$ 338.00	\$ -	\$ 338.00
319	280-04800	CON 4	PT LOT 5	8.303	8.303		\$ -	\$ 404.00	\$ -	\$ 404.00
325	280-10000	CON 4	PT LOT 4 & 5	15.772	15.772		\$ -	\$ 767.00	\$ -	\$ 767.00
326	280-10700	CON 4	PT LOT 6	0.812	0.812		\$ -	\$ 39.00	\$ -	\$ 39.00
327	280-14100	CON 4	PT LOT 7	17.074	16.360		\$ -	\$ 795.00	\$ -	\$ 795.00
328	280-14500	CON 4	PT LOT 7	9.115	8.640		\$ -	\$ 420.00	\$ -	\$ 420.00
329	280-14700	CON 4	PT LOT 7	14.474	13.085		\$ -	\$ 636.00	\$ -	\$ 636.00
330	280-14850	CON 4	PT LOT 8	1.515	1.010		\$ -	\$ 49.00	\$ -	\$ 49.00
331	280-14900	CON 4	PT LOT 8	2.191	1.260		\$ -	\$ 61.00	\$ -	\$ 61.00
Total affected Lands (Hectares)					308.849					
Total Assessment on Privately Owned Agricultural Lands (Grantable)							\$ -	\$ 15,010.00	\$ -	\$ 15,010.00

4) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF LASALLE										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
361	280-00900	CON 4	PT LOT 8	10.132	6.386		\$ -	\$ 310.00	\$ -	\$ 310.00
362	280-10800	CON 4	PT LOT 6	6.740	6.740		\$ -	\$ 328.00	\$ -	\$ 328.00
Total affected Lands (Hectares)					13.126					
Total Assessment on Privately Owned Agricultural Lands (Non-Grantable)							\$ -	\$ 638.00	\$ -	\$ 638.00

TOWN OF LASALLE - TOTAL ASSESSMENT FOR SCHEDULE A-4 - (Sections 1, 2, 3, & 4)							\$ -	\$ 26,620.00	\$ -	\$ 26,620.00
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ASSESSMENTS IN THE TOWN OF TECUMSEH

5) ONTARIO OWNED LANDS IN THE TOWN OF TECUMSEH								
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
12	King's Highway No. 3	-	2.760	Ministry of Transportation of Ontario	\$ -	\$ 671.00	\$ -	\$ 671.00
Total Affected Lands (Hectares)			2.760					
Total Assessment on Ontario Owned Lands					\$ -	\$ 671.00	\$ -	\$ 671.00

6) MUNICIPAL ROADS IN THE TOWN OF TECUMSEH								
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
5	Holden Road	-	3.330	Town of Tecumseh	\$ -	\$ 809.00	\$ -	\$ 809.00
6	South Talbot Road	-	3.320	Town of Tecumseh	\$ -	\$ 807.00	\$ -	\$ 807.00
7	Oldcastle Road	-	1.120	Town of Tecumseh	\$ -	\$ 272.00	\$ -	\$ 272.00
10	County Road 9 (Howard Avenue)	-	5.846	County of Essex	\$ -	\$ 1,432.00	\$ -	\$ 1,432.00
11	County Road 11 (Walker Road)	-	3.750	County of Essex	\$ -	\$ 911.00	\$ -	\$ 911.00
Total Affected Lands (Hectares)			17.366					
Total Assessment on Municipal Roads					\$ -	\$ 4,231.00	\$ -	\$ 4,231.00

7) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
220	440-01200	CON 6	PT LOT 5 RP	0.510	0.510		\$ -	\$ 50.00	\$ -	\$ 50.00
221	440-01400	CON 6 N	PT LOT 5 RP	0.456	0.456		\$ -	\$ 47.00	\$ -	\$ 47.00
222	440-01502	CON 6	PT LOT 6 RP	1.026	1.026		\$ -	\$ 85.00	\$ -	\$ 85.00
223	440-01700	CON 6 N	PT LOT 7	0.343	0.343		\$ -	\$ 39.00	\$ -	\$ 39.00
224	440-01800	CON 6 N	PT LOT 7	0.193	0.193		\$ -	\$ 28.00	\$ -	\$ 28.00
225	440-01900	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 42.00	\$ -	\$ 42.00
226	440-02000	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 42.00	\$ -	\$ 42.00
227	450-01500	CON 5 N	PT LOT 4 RP	0.167	0.167		\$ -	\$ 24.00	\$ -	\$ 24.00
228	450-01700	CON 5 N	PT LOT 4 RP	0.137	0.137		\$ -	\$ 20.00	\$ -	\$ 20.00
231	450-03000	CON 5 E	PT LOT 6 RP	0.561	0.561		\$ -	\$ 54.00	\$ -	\$ 54.00
232	450-03200	CON 5 E	PT LOT 6	0.211	0.211		\$ -	\$ 30.00	\$ -	\$ 30.00
233	450-03302	CON 5	PT LOT 6 RP	0.500	0.500		\$ -	\$ 50.00	\$ -	\$ 50.00
234	450-03310	CON 5	PT LOT 5 RP	0.426	0.426		\$ -	\$ 45.00	\$ -	\$ 45.00
235	450-03400	CON 5	PT LOT 5 RP	1.657	1.657		\$ -	\$ 119.00	\$ -	\$ 119.00
236	450-03500	CON 5 N	PT LOT 5	0.440	0.440		\$ -	\$ 45.00	\$ -	\$ 45.00
237	450-03600	CON 5	PT LOT 5	0.405	0.405		\$ -	\$ 43.00	\$ -	\$ 43.00
238	470-00300	CON STR S	PT LOT 302	0.279	0.279		\$ -	\$ 35.00	\$ -	\$ 35.00
239	470-00400	CON STR	PT LOT 302	0.323	0.323		\$ -	\$ 38.00	\$ -	\$ 38.00
241	470-00600	CON STR	PT LOT 302	0.372	0.372		\$ -	\$ 41.00	\$ -	\$ 41.00
242	470-00800	CON STR	PT LOT 303 RP	0.373	0.373		\$ -	\$ 41.00	\$ -	\$ 41.00
243	470-00900	CON STR S	PT LOT 303	0.456	0.456		\$ -	\$ 47.00	\$ -	\$ 47.00
244	470-05900	CON STR N	PT LOT 304	19.343	6.305		\$ -	\$ 345.00	\$ -	\$ 345.00
245	470-06000	CON STR N	PT LOT 304 RP	0.274	0.274		\$ -	\$ 34.00	\$ -	\$ 34.00
246	470-06200	CON STR N	PT LOT 303 RP	0.218	0.218		\$ -	\$ 30.00	\$ -	\$ 30.00
247	470-06300	CON STR N	PT LOT 303 RP	0.942	0.942		\$ -	\$ 80.00	\$ -	\$ 80.00
248	470-06400	CON STR N	PT LOT 303	0.258	0.258		\$ -	\$ 33.00	\$ -	\$ 33.00
249	470-06500	CON STR N	PT LOT 303	2.034	2.034		\$ -	\$ 138.00	\$ -	\$ 138.00
250	470-06700	CON STR	PT LOT 303	0.172	0.172		\$ -	\$ 25.00	\$ -	\$ 25.00
251	470-06900	CON STR N	PT LOT 303	0.215	0.215		\$ -	\$ 30.00	\$ -	\$ 30.00
252	470-07200	CON STR	PT LOT 302 RP	0.405	0.405		\$ -	\$ 43.00	\$ -	\$ 43.00
253	470-07201	CON STR N	PT LOT 302 RP	0.284	0.284		\$ -	\$ 35.00	\$ -	\$ 35.00
254	470-07202	CON STR	PT LOT 302 RP	0.435	0.435		\$ -	\$ 45.00	\$ -	\$ 45.00
255	470-07203	CON STR	PT LOT 302 RP	0.442	0.442		\$ -	\$ 46.00	\$ -	\$ 46.00
256	470-07300	CON STR N	PT LOT 302 RP	0.755	0.755		\$ -	\$ 67.00	\$ -	\$ 67.00
257	470-07500	CON STR N	PT LOT 303	0.173	0.173		\$ -	\$ 25.00	\$ -	\$ 25.00
258	470-07600	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 17.00	\$ -	\$ 17.00
259	470-07800	CON STR	PT LOT 303 RP	0.113	0.113		\$ -	\$ 17.00	\$ -	\$ 17.00
260	470-07820	CON STR	PT LOT 303 RP	0.124	0.124		\$ -	\$ 18.00	\$ -	\$ 18.00

7) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
261	470-07900	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 17.00	\$ -	\$ 17.00
262	470-08000	CON STR N	PT LOT 303 RP	0.118	0.118		\$ -	\$ 17.00	\$ -	\$ 17.00
263	470-08100	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 17.00	\$ -	\$ 17.00
264	470-08200	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 17.00	\$ -	\$ 17.00
265	470-08300	CON STR N	PT LOT 303	0.120	0.120		\$ -	\$ 17.00	\$ -	\$ 17.00
266	470-08400	CON STR N	PT LOT 303	0.103	0.103		\$ -	\$ 15.00	\$ -	\$ 15.00
267	470-08500	CON STR N	PT LOT 303	0.179	0.179		\$ -	\$ 26.00	\$ -	\$ 26.00
268	470-08600	CON STR N	PT LOT 303	2.089	2.089		\$ -	\$ 140.00	\$ -	\$ 140.00
269	470-08700	CON STR N	PT LOT 303	0.404	0.404		\$ -	\$ 43.00	\$ -	\$ 43.00
Total affected Lands (Hectares)					26.254					
Total Assessment on Privately Owned Non-Agricultural Lands (Non-Grantable)							\$ -	\$ 2,302.00	\$ -	\$ 2,302.00

8) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
334	440-01300	CON 6 S	PT LOT 5	9.772	9.490		\$ -	\$ 461.00	\$ -	\$ 461.00
335	440-01401	CON 6 N	PT LOT 5	13.703	12.870		\$ -	\$ 625.00	\$ -	\$ 625.00
336	440-01500	CON 6	PT LOT 6 RP	40.410	37.870		\$ -	\$ 1,840.00	\$ -	\$ 1,840.00
337	440-01600	CON 6 W	PT LOT 7	19.019	19.019		\$ -	\$ 924.00	\$ -	\$ 924.00
338	440-02100	CON 6	PT LOT 7 RP	19.521	6.070		\$ -	\$ 295.00	\$ -	\$ 295.00
339	450-01800	CON 5	PT LOT 5 RP	20.159	20.159		\$ -	\$ 980.00	\$ -	\$ 980.00
340	450-01810	CON 5	PT LOT 5 RP	35.951	35.951		\$ -	\$ 1,747.00	\$ -	\$ 1,747.00
346	450-03700	CON 5 E	PT LOT 5	28.241	28.241		\$ -	\$ 1,373.00	\$ -	\$ 1,373.00
347	470-00500	CON STR	PT LOT 302	25.373	25.373		\$ -	\$ 1,233.00	\$ -	\$ 1,233.00
348	470-00700	CON STR	PT LOT 303	39.533	39.533		\$ -	\$ 1,921.00	\$ -	\$ 1,921.00
349	470-06600	CON STR N	PT LOT 303	4.094	4.094		\$ -	\$ 199.00	\$ -	\$ 199.00
350	470-07400	CON STR S	PT LOT 302	4.706	4.706		\$ -	\$ 229.00	\$ -	\$ 229.00
351	470-08800	CON STR N	PT LOT 302	11.460	11.460		\$ -	\$ 557.00	\$ -	\$ 557.00
Total affected Lands (Hectares)					254.836					
Total Assessment on Privately Owned Agricultural Lands (Grantable)							\$ -	\$ 12,384.00	\$ -	\$ 12,384.00

9) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
365	440-01220	CON 6	PT LOT 4 & 5	25.210	25.210		\$ -	\$ 1,225.00	\$ -	\$ 1,225.00
366	450-01600	CON 5 N	PT LOT 4 RP	27.565	26.360		\$ -	\$ 1,281.00	\$ -	\$ 1,281.00
368	470-06100	CON STR N	PT LOT 303	17.191	17.191		\$ -	\$ 835.00	\$ -	\$ 835.00
369	470-06800	CON STR	PT LOT 303	2.242	2.242		\$ -	\$ 109.00	\$ -	\$ 109.00
370	470-07000	CON STR N	PT LOT 303	2.180	2.180		\$ -	\$ 106.00	\$ -	\$ 106.00
371	470-07100	CON STR N	PT LOT 303	4.850	4.850		\$ -	\$ 236.00	\$ -	\$ 236.00
Total affected Lands (Hectares)					78.033					
Total Assessment on Privately Owned Agricultural Lands (Non-Grantable)							\$ -	\$ 3,792.00	\$ -	\$ 3,792.00

TOWN OF TECUMSEH - TOTAL ASSESSMENT FOR SCHEDULE A-4 - (Sections 5, 6, 7, 8 & 9)	\$ -	\$ 23,380.00	\$ -	\$ 23,380.00
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GRAND TOTAL ASSESSMENT FOR SCHEDULE A-4 (TOWN of LASALLE & TOWN OF TECUMSEH)	\$ -	\$ 50,000.00	\$ -	\$ 50,000.00
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TOTAL LANDS AFFECTED (Ha)	
a) Ontario Owned Lands	2.760
b) Municipal Roads	28.246
c) Non-Agricultural Lands	139.321
d) Agricultural Lands (Grantable)	563.685
e) Agricultural Lands (Non-grantable)	91.159
Total Lands Affected:	825.171

NOTE: Assessment Values have been rounded to the nearest whole dollar for presentation purposes.

1 Hectare = 2.471 Acres

SCHEDULE A-5
SCHEDULE OF ASSESSMENT FOR FUTURE MAINTENANCE OF CULVERTS
ON THE 4TH CONCESSION DRAIN
IN THE TOWN OF TECUMSEH

ASSESSMENTS IN THE TOWN OF TECUMSEH

1) ONTARIO OWNED LANDS IN THE TOWN OF TECUMSEH								
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
12	King's Highway No. 3	-	2.760	Ministry of Transportation of Ontario	\$ -	\$ 1,217.00	\$ -	\$ 1,217.00
Total Affected Lands (Hectares)			2.760					
Total Assessment on Municipal Roads					\$ -	\$ 1,217.00	\$ -	\$ 1,217.00

2) MUNICIPAL ROADS IN THE TOWN OF TECUMSEH								
PARCEL NO.	Description	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
5	Holden Road	-	3.330	Town of Tecumseh	\$ -	\$ 1,469.00	\$ -	\$ 1,469.00
6	South Talbot Road	-	3.320	Town of Tecumseh	\$ -	\$ 1,465.00	\$ -	\$ 1,465.00
7	Oldcastle Road	-	1.120	Town of Tecumseh	\$ -	\$ 494.00	\$ -	\$ 494.00
11	County Road 11 (Walker Road)	-	3.750	County of Essex	\$ -	\$ 1,653.00	\$ -	\$ 1,653.00
Total Affected Lands (Hectares)			11.520					
Total Assessment on Municipal Roads					\$ -	\$ 5,081.00	\$ -	\$ 5,081.00

3) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
220	440-01200	CON 6	PT LOT 5 RP	0.510	0.510		\$ -	\$ 91.00	\$ -	\$ 91.00
221	440-01400	CON 6 N	PT LOT 5 RP	0.456	0.456		\$ -	\$ 85.00	\$ -	\$ 85.00
222	440-01502	CON 6	PT LOT 6 RP	1.026	1.026		\$ -	\$ 155.00	\$ -	\$ 155.00
223	440-01700	CON 6 N	PT LOT 7	0.343	0.343		\$ -	\$ 71.00	\$ -	\$ 71.00
224	440-01800	CON 6 N	PT LOT 7	0.193	0.193		\$ -	\$ 51.00	\$ -	\$ 51.00
225	440-01900	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 77.00	\$ -	\$ 77.00
226	440-02000	CON 6 N	PT LOT 7	0.392	0.392		\$ -	\$ 77.00	\$ -	\$ 77.00
231	450-03000	CON 5 E	PT LOT 6 RP	0.561	0.561		\$ -	\$ 97.00	\$ -	\$ 97.00
232	450-03200	CON 5 E	PT LOT 6	0.211	0.211		\$ -	\$ 54.00	\$ -	\$ 54.00
233	450-03302	CON 5	PT LOT 6 RP	0.500	0.500		\$ -	\$ 90.00	\$ -	\$ 90.00
234	450-03310	CON 5	PT LOT 5 RP	0.426	0.426		\$ -	\$ 81.00	\$ -	\$ 81.00
235	450-03400	CON 5	PT LOT 5 RP	1.657	1.657		\$ -	\$ 217.00	\$ -	\$ 217.00
236	450-03500	CON 5 N	PT LOT 5	0.440	0.440		\$ -	\$ 83.00	\$ -	\$ 83.00
237	450-03600	CON 5	PT LOT 5	0.405	0.405		\$ -	\$ 78.00	\$ -	\$ 78.00
238	470-00300	CON STR S	PT LOT 302	0.279	0.279		\$ -	\$ 63.00	\$ -	\$ 63.00
239	470-00400	CON STR	PT LOT 302	0.323	0.323		\$ -	\$ 68.00	\$ -	\$ 68.00
241	470-00600	CON STR	PT LOT 302	0.372	0.372		\$ -	\$ 74.00	\$ -	\$ 74.00
242	470-00800	CON STR	PT LOT 303 RP	0.373	0.373		\$ -	\$ 74.00	\$ -	\$ 74.00
243	470-00900	CON STR S	PT LOT 303	0.456	0.456		\$ -	\$ 85.00	\$ -	\$ 85.00
244	470-05900	CON STR N	PT LOT 304	19.343	6.305		\$ -	\$ 627.00	\$ -	\$ 627.00
245	470-06000	CON STR N	PT LOT 304 RP	0.274	0.274		\$ -	\$ 62.00	\$ -	\$ 62.00
246	470-06200	CON STR N	PT LOT 303 RP	0.218	0.218		\$ -	\$ 55.00	\$ -	\$ 55.00
247	470-06300	CON STR N	PT LOT 303 RP	0.942	0.942		\$ -	\$ 145.00	\$ -	\$ 145.00
248	470-06400	CON STR N	PT LOT 303	0.258	0.258		\$ -	\$ 60.00	\$ -	\$ 60.00
249	470-06500	CON STR N	PT LOT 303	2.034	2.034		\$ -	\$ 250.00	\$ -	\$ 250.00
250	470-06700	CON STR	PT LOT 303	0.172	0.172		\$ -	\$ 46.00	\$ -	\$ 46.00
251	470-06900	CON STR N	PT LOT 303	0.215	0.215	\$ -	\$ 55.00	\$ -	\$ 55.00	
252	470-07200	CON STR	PT LOT 302 RP	0.405	0.405	\$ -	\$ 78.00	\$ -	\$ 78.00	
253	470-07201	CON STR N	PT LOT 302 RP	0.284	0.284	\$ -	\$ 63.00	\$ -	\$ 63.00	
254	470-07202	CON STR	PT LOT 302 RP	0.435	0.435	\$ -	\$ 82.00	\$ -	\$ 82.00	
255	470-07203	CON STR	PT LOT 302 RP	0.442	0.442	\$ -	\$ 83.00	\$ -	\$ 83.00	
256	470-07300	CON STR N	PT LOT 302 RP	0.755	0.755	\$ -	\$ 121.00	\$ -	\$ 121.00	

3) PRIVATELY OWNED NON-AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH (Continued)										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
257	470-07500	CON STR N	PT LOT 303	0.173	0.173		\$ -	\$ 46.00	\$ -	\$ 46.00
258	470-07600	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 31.00	\$ -	\$ 31.00
259	470-07800	CON STR	PT LOT 303 RP	0.113	0.113		\$ -	\$ 30.00	\$ -	\$ 30.00
260	470-07820	CON STR	PT LOT 303 RP	0.124	0.124		\$ -	\$ 33.00	\$ -	\$ 33.00
261	470-07900	CON STR N	PT LOT 303	0.118	0.118		\$ -	\$ 31.00	\$ -	\$ 31.00
262	470-08000	CON STR N	PT LOT 303 RP	0.118	0.118		\$ -	\$ 31.00	\$ -	\$ 31.00
263	470-08100	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 31.00	\$ -	\$ 31.00
264	470-08200	CON STR N	PT LOT 303	0.119	0.119		\$ -	\$ 32.00	\$ -	\$ 32.00
265	470-08300	CON STR N	PT LOT 303	0.120	0.120		\$ -	\$ 32.00	\$ -	\$ 32.00
266	470-08400	CON STR N	PT LOT 303	0.103	0.103		\$ -	\$ 27.00	\$ -	\$ 27.00
267	470-08500	CON STR N	PT LOT 303	0.179	0.179		\$ -	\$ 47.00	\$ -	\$ 47.00
268	470-08600	CON STR N	PT LOT 303	2.089	2.089		\$ -	\$ 255.00	\$ -	\$ 255.00
269	470-08700	CON STR N	PT LOT 303	0.404	0.404		\$ -	\$ 78.00	\$ -	\$ 78.00
Total affected Lands (Hectares)					25.950					
Total Assessment on Privately Owned Non-Agricultural Lands (Non-Grantable)							\$ -	\$ 4,102.00	\$ -	\$ 4,102.00

4) PRIVATELY OWNED AGRICULTURAL LANDS (GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
334	440-01300	CON 6 S	PT LOT 5	9.772	9.490		\$ -	\$ 837.00	\$ -	\$ 837.00
335	440-01401	CON 6 N	PT LOT 5	13.703	12.870		\$ -	\$ 1,135.00	\$ -	\$ 1,135.00
336	440-01500	CON 6	PT LOT 6 RP	40.410	37.870		\$ -	\$ 3,341.00	\$ -	\$ 3,341.00
337	440-01600	CON 6 W	PT LOT 7	19.019	19.019		\$ -	\$ 1,678.00	\$ -	\$ 1,678.00
338	440-02100	CON 6	PT LOT 7 RP	19.521	6.070		\$ -	\$ 536.00	\$ -	\$ 536.00
347	470-00500	CON STR	PT LOT 302	25.373	25.373		\$ -	\$ 2,239.00	\$ -	\$ 2,239.00
348	470-00700	CON STR	PT LOT 303	39.533	39.533		\$ -	\$ 3,488.00	\$ -	\$ 3,488.00
349	470-06600	CON STR N	PT LOT 303	4.094	4.094		\$ -	\$ 361.00	\$ -	\$ 361.00
350	470-07400	CON STR S	PT LOT 302	4.706	4.706		\$ -	\$ 415.00	\$ -	\$ 415.00
351	470-08800	CON STR N	PT LOT 302	11.460	11.460		\$ -	\$ 1,011.00	\$ -	\$ 1,011.00
Total affected Lands (Hectares)					170.485					
Total Assessment on Privately Owned Agricultural Lands (Grantable)							\$ -	\$ 15,041.00	\$ -	\$ 15,041.00

5) PRIVATELY OWNED AGRICULTURAL LANDS (NON-GRANTABLE) IN THE TOWN OF TECUMSEH										
PARCEL NO.	TAX ROLL NO.	CON. OR PLAN NO.	LOT OR PART OF LOT	AREA OWNED (Hectares)	AREA AFFECTED (Hectares)	OWNER	(SECTION 22) VALUE OF BENEFIT	(SECTION 23) OUTLET LIABILITY	(SECTION 24) VALUE OF SPECIAL BENEFIT	TOTAL ASSESSMENT
365	440-01220	CON 6	PT LOT 4 & 5	25.210	25.210		\$ -	\$ 2,224.00	\$ -	\$ 2,224.00
368	470-06100	CON STR N	PT LOT 303	17.191	17.191		\$ -	\$ 1,517.00	\$ -	\$ 1,517.00
369	470-06800	CON STR	PT LOT 303	2.242	2.242		\$ -	\$ 198.00	\$ -	\$ 198.00
370	470-07000	CON STR N	PT LOT 303	2.180	2.180		\$ -	\$ 192.00	\$ -	\$ 192.00
371	470-07100	CON STR N	PT LOT 303	4.850	4.850		\$ -	\$ 428.00	\$ -	\$ 428.00
Total affected Lands (Hectares)					51.673					
Total Assessment on Privately Owned Agricultural Lands (Non-Grantable)							\$ -	\$ 4,559.00	\$ -	\$ 4,559.00

TOWN OF TECUMSEH - TOTAL ASSESSMENT FOR SCHEDULE A-5 - (Sections 1, 2, 3, 4 & 5)	\$ -	\$ 30,000.00	\$ -	\$ 30,000.00
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TOTAL LANDS AFFECTED (Ha)	
a) Ontario Owned Lands	2.760
b) Municipal Roads	11.520
c) Non-Agricultural Lands	25.950
d) Agricultural Lands (Grantable)	170.485
e) Agricultural Lands (Non-grantable)	51.673
Total Lands Affected:	262.388

NOTE: Assessment Values have been rounded to the nearest whole dollar for presentation purposes.

1 Hectare = 2.471 Acres

APPENDIX 'B'

SPECIAL PROVISIONS AND SPECIFICATIONS

REPAIR AND IMPROVEMENT OF THE 4TH CONCESSION DRAIN TOWN OF LASALLE & TOWN OF TECUMSEH

SPECIAL PROVISIONS

1.0 GENERAL SPECIFICATIONS

The General Specifications attached hereto are part of Appendix 'B'. It forms part of this specification and is to be read with these specifications and the Drawings contained in the report. Where there is a difference between the requirements of the Special Provisions and the General Specifications, the Special Provisions shall take precedence.

References are made to various Ontario Provincial Standard Drawings (OPSD) and Ontario Provincial Standard Specifications (OPSS). The drawings have been attached to this report, but the specifications have not. The contractor is responsible for obtaining a copy of the specifications.

2.0 DESCRIPTION OF WORK

This specification and the report, plans and profile bearing the same date, apply to and govern the repair and improvement of approximately 4,900m of existing open drain, the replacement of two drain crossings and cleanout of three existing road crossings. The 4th Concession Drain has a total length of 6,092 metres in the Town of LaSalle and the Town of Tecumseh.

The open drain repair and improvement work includes the removal of brush and trees within the drain and maintenance corridor. The work further includes the excavation of the drain bottom and banks to the profile and cross-sections attached to this report. Root balls are to remain in the drain banks to provide bank stability. However, root balls within the maintenance corridor are to be removed and disposed off-site. Any deleterious materials that have been removed from the drain including trees, brush and garbage are to be disposed off-site. Native material excavated from the drain banks shall be spread evenly on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6") on the same side as the working corridor. For residential properties abutting the drain, spreading of excavated material will not be permitted. The drain banks shall be seeded and mulched as soon as possible, after the banks of the open drain have been regraded. The 4th Concession Drain between Stations 0+000 to 1+180 is in satisfactory condition and does not require repair and improvement at this time.

The road crossings at Broderick Road, Huron Church Line Road and Howard Avenue shall be cleaned out to the drain bottom elevations shown on the profile drawing attached to this report. Materials removed from the culvert cleanouts shall be spread evenly on the abutting farm properties to a maximum width of 20 metres from the top of drain bank and a maximum depth of 150mm (6") on the same side as the working corridor.

Replacement of a farm crossing (Culvert No. 5) at Station 2+866 shall be completed as per Sheet 18 of the design drawings attached. This work will include the removal of an existing 1200mm and 1800mm diameter CSP's along with existing end treatment and all other deleterious materials being disposed off-site. Should the property owner want the pipe left on-site for his salvage, the pipe shall be carefully removed and cleaned of sediment by the Contractor. Twin 12m lengths of 2000mm diameter Aluminized Type II Corrugated Steel Pipes with a 2.8mm wall thickness and a 125x25mm corrugation profile shall be supplied and installed along with all bedding and backfill material as specified in the design drawings. Culvert end treatment shall consist of sloping 150mm to 230mm quarried rock erosion protection at 300mm thick installed over Terrafix 270-R Geotextile Fabric.

Replacement of an access crossing (Culvert No. 7) at Station 4+257 shall be completed as per Sheet 19 of the design drawings attached. This work will include the removal of an existing 1800mm diameter CSP along with all other deleterious materials being disposed off-site. Should the property owner want the pipe left on-site for his salvage, the pipe shall be carefully removed and cleaned of sediment by the Contractor. A 12m length of 2500mmx1830mm Aluminized Type II Corrugated Steel Pipe Arch with a 2.8mm wall thickness and a 125x25mm corrugation profile shall be supplied and installed along with all bedding and backfill material as specified in the design drawings. Culvert end treatment shall consist of sloping 150mm to 230mm quarried rock erosion protection at 300mm thick installed over Terrafix 270-R Geotextile Fabric.

Rip Rap erosion protection will be installed in the locations specified on the drawings and wherever specified by the engineer or drainage superintendent on-site.

Silt Control measures will be implemented during construction.

Tile outlet pipes will be replaced if required and as designated by the Drainage Superintendent in the field.

3.0 STATIONING

The reference stations are measured along the existing course of the municipal drain in metres. Station 0+000 is set at the downstream end of the 4th Concession Drain where it outlets into Canard River. The stations proceed upstream to 6+092 at Holden Road in the N ½ of Lot 5. The offsets in the majority of cross-sections are referenced from the centerline of the drain. In the areas where the drain runs along a road, cross-sections are referenced from the centerline of the road.

4.0 WORKING AREAS & ACCESS CORRIDORS

The designated working corridors and access corridors shall be made available for construction and future maintenance. The designated working corridors and access corridors are set out as follows:

1. An access corridor is to be provided on the property with Roll No. 170-08300 (8275 Disputed Road) so that the contractor can gain access to the 4th Concession Drain between Stations 0+000 to 0+750. This access corridor shall have a width of 5m. The maintenance corridor is to be provided on the north side of the drain at a width of 8m.
2. A maintenance corridor is to be provided on the property with Roll No. 170-08100 (8315 Disputed Road) so that the contractor can gain access to the 4th Concession Drain between Stations 0+750 to 0+913. The maintenance corridor is to be provided on the south side of the drain at a width of 8m.
3. A maintenance corridor between Stations 0+913 to 1+180 is to be established in the field by the Drainage Superintendent in consultation with the road authority.
4. An access corridor is to be provided on the property with Roll No. 270-04900 (8525 Broderick Road) so that the contractor can gain access to the 4th Concession Drain between Stations 1+180 to 1+575. This access corridor shall have a width of 5m. The maintenance corridor is to be provided on the north side of the drain at a width of 8m.
5. A maintenance corridor is to be provided on the property with Roll No. 270-05500 (8625 Broderick Road) so that the contractor can gain access to the 4th Concession Drain between Stations 1+575 to 2+601. The maintenance corridor is to be provided on the south side of the drain at a width of 8m.

6. A maintenance corridor is to be provided on the property with Roll No. 280-03500 (8540 Broderick Road) so that the contractor can gain access to the 4th Concession Drain between Stations 2+621 to 3+360. The maintenance corridor is to be provided on the south side of the drain at a width of 8m.
7. A maintenance corridor is to be provided on the property with Roll No. 280-10000 (8514 Huron Church Line Road) so that the contractor can gain access to the 4th Concession Drain between Stations 3+360 to 3+948. The maintenance corridor is to be provided on the north side of the drain at a width of 8m.
8. A maintenance corridor is to be provided on the property with Roll No. 280-12900 (6335 Howard Avenue) so that the contractor can gain access to the 4th Concession Drain between Stations 3+972 to 4+350. The maintenance corridor is to be provided on the south side of the drain at a width of 8m.
9. An access corridor is to be provided on the property with Roll No. 450-01600 (6538 Howard Avenue) so that the contractor can gain access to the 4th Concession Drain between Stations 4+396 to 6+080. This access corridor shall have a width of 5m. The maintenance corridor is to be provided on the north side of the drain at a width of 8m.
10. Working corridors will be required along the drain to permit construction and disposal of the excavated material on the farm lands. Refer to section 7.0 “Disposal of Material” for specific details on the spreading of the excavated material.

For the purposes of future maintenance, the 8.0 metre wide working corridor established along the 4th Concession Drain is summarized as follows:

Stations:	Location:
0+000 to 0+750	North side (access from 8275 Disputed Road)
0+750 to 0+913	South Side (access from 8315 Disputed Road)
0+913 to 1+180	To be established in the field by the Drainage Superintendent in consultation with the Road Authority
1+180 to 1+575	North Side (access from 8525 Broderick Road)
1+575 to 2+601	South Side (access from Broderick Road)
2+621 to 3+360	South Side (access from Broderick Road)
3+360 to 3+948	North Side (access from Huron Church Line Road)
3+972 to 4+350	South Side (access from 6335 Howard Avenue)
4+396 to 6+080	North Side (access from Howard Avenue and Holden Road)

The contractor will be responsible for any damages on private lands outside the designated working corridors, working areas, access corridors and haul corridors. The contractor will be responsible to negotiate any terms for the use of that land with the owner and be responsible for any damages to occur.

Any damages to lands and/or roads from the contractor’s work within the working areas shall be rectified to pre-existing conditions at the contractor’s expense.

5.0 SUPPLY OF MATERIALS

The contractor shall supply all materials, labour and equipment necessary for the proper completion of the work, unless otherwise stated in the Specifications or the Tender documents.

Materials shall be as follows:

Erosion Stone for Sloping End Protection

All stone to be used for erosion protection shall be 150-230 mm clear quarried rock or OPSS 1004, minimum 300 mm thickness. Round field stone is not acceptable.

Bedding Below Culvert Pipe Invert

20-25mm clear stone conforming to OPSS Division 10.

Backfill Material for Culvert No. 5 & 7

Granular 'B' (Type II) conforming to OPSS Division 10.

Driveway Surface Material for Culvert No. 5 & 7

Granular 'A' conforming to OPSS Division 10.

Filter Fabric

"Non-Woven" geotextile filter fabric with a minimum strength equal to or greater than Terrafix 270R, Amoco 4546, Mirafi 140NC or approved equivalent.

6.0 PROFILE

The contractor shall exercise extreme caution in adhering strictly to the design gradeline shown in the drawings and avoid over-excavation as over-excavation of the drain will cause ponding of water to occur.

7.0 DISPOSAL OF MATERIAL

All deleterious materials resulting from the repair and improvement of the 4th Concession Drain including trees, brush and garbage shall be disposed off-site by the Contractor at their expense.

Native material excavated from the drain banks shall be spread evenly on the abutting farm properties to a maximum width of 20 metres and a maximum depth of 150mm (6") on the same side as the working corridor. The material shall be deposited and spread no closer than 2 metres from the top edge of the adjacent drain bank and at least 1 metre clear of all fences. Sufficient gaps should be left in the spoil bank to prevent any surface water from being trapped by the spoil bank and not being permitted to drain normally into the open drain. For residential properties abutting the drain, spreading of excavated material will not be permitted.

8.0 EROSION PROTECTION STONE

The Contractor shall supply and install the required quantities of graded stone rip-rap erosion protection materials at the locations shown on the drawings. The exact location of the rip-rap is to be established in the field by the Drainage Superintendent prior to installation by the contractor. All stone to be used for erosion protection shall be 125 - 230 mm clear **quarried rock** or OPSS 1001 placed over a non-woven filter fabric Terrafix 270R or approved equivalent.

Concrete rip-rap will not be permitted.

The contractor shall place a suitable synthetic filter material on the prepared slope. The material shall extend from the toe of the slope to the top of the bank. The geotextile filter fabric shall meet the Class 1 requirements of OPSS Specification 1860. The material shall then be covered with a 300 mm thick layer of graded stone rip-rap.

The minimum thickness requirement of the erosion stone layer is 300 mm with no portion of the filter fabric to be exposed. All work must be completed to the satisfaction of the Drainage Superintendent.

9.0 SEEDING OF DRAIN BANKS

Hydraulic seeding and mulching shall be carried out in accordance with OPSS 804 as modified below, on the following areas:

- From Station 1+180 to 6+084, the banks of the existing course of the municipal drain shall be seeded where they have been regraded or disturbed.

The surface to be seeded shall be loosened to a depth of 25 mm and shall be rendered uniformly loose for that 25 mm depth. The surface shall be predominantly fine and free from weeds and other unwanted vegetation. All other loose surface litter shall be removed and disposed of off-site.

Hydraulic mulch shall consist of finely ground cellulose pulp derived from recycled newsprint and shall be dyed green. Its fiber consistency shall be approximately 60% fine fiber with the balance being paper particles, 40% of which shall be a diameter of 3 mm minimum and 6 mm maximum. Hydraulic mulch shall be applied at 2,000 kg of dry product per 10,000 m². Clean water shall be applied at 42,700 litres per 10,000 m².

Seeding and mulching shall be a one step process in which the seed, fertilizer and hydraulic mulch are applied simultaneously in a water slurry via the hydraulic seeder/mulcher. The materials shall be added to the supply tank while it is being loaded with water. The materials shall be thoroughly mixed into a homogeneous water slurry and shall be distributed uniformly over the prepared surface. The materials shall be measured by mass or by a mass-calibrated volume measurement, acceptable to the Drainage Superintendent.

The hydraulic seeder/mulcher shall be equipped with mechanical agitation equipment capable of mixing the materials into a homogenous state until applied. The discharge pumps and gun nozzles shall be capable of applying the material uniformly. The following seed mixtures are required:

Ditch Banks and Bottom

Grass seed shall be Canada No. 1 grass seed mixture. The seed mixture shall be applied at a rate of 200 kg per 10,000 m². The mixture shall meet the requirements of a Waterway Slough Mixture as supplied by Growmark or approved equal, as follows:

<i>Creeping Red Fescue</i>	20%
<i>Meadow Fescue</i>	30%
<i>Tall Fescue</i>	30%
<i>Timothy</i>	10%
<i>White Clover</i>	10%

Bags shall bear the label of the supplier indicating the content by species, grade and mass. Other grass seed mixtures will be considered with approval of Engineer and Drainage Superintendent. Fertilizer shall be 8-32-16 applied at 350 kg per 10,000 m². It shall be in granular form, dry, free from lumps and in bags bearing the label of the manufacturer, indicating mass and analysis.

The hydraulic seeding shall be deemed "Completed by the Contractor" when the seed has established in all areas to the satisfaction of the Engineer. Re-seeding and/or other methods required to establish the grass will be given consideration to achieve the end result and the costs shall be incidental to the works.

Any alternative method of seeding must be reviewed and approved by the Engineer, prior to installation.

10.0 SILT CONTROL

The contractor shall supply, install, maintain and remove a temporary water permeable filter fence (silt fence) to remove suspended particulars from the water passing through it. At the commencement of construction, the contractor shall install a silt fence across the drain at the downstream end of the work (Station 1+180). The silt fence shall be constructed of a minimum 1.0 m wide geotextile securely fastened to steel posts. The geotextile shall be attached to the up-gradient side of the posts. Where required, wire or any other type of support may be constructed between the geotextile and the posts in order to improve the load carrying capacity of the silt fence. The geotextile may be a woven or a non-woven material that has a minimum tensile strength of 100 lbs., permittivity of at least 90 gal/min/ft² and an apparent opening size of US Sieve No. 30.

Steel posts of sufficient strength to support the silt fence shall be used. The maximum post spacing shall be approximately 2 m. Every effort must be made to ensure that the bottom edge of the silt fence is in continuous contact with the bottom of the channel.

The silt fence shall remain in place until the project is complete. The contractor shall maintain the silt fence until it is removed. Upon removal, the silt accumulation upstream of the fence shall also be removed. The cost of supply, installation, maintenance and removal of the silt fence shall be included in the Lump Sum price bid for this item.

11.0 MAINTENANCE OF FLOWS

Should rainfall events generate flows in the drain, the contractor is responsible for maintaining the flows in the open drain so that flooding does not occur and for maintaining flows in the covered drains so that subsurface drainage is maintained.

12.0 TILE OUTLET PIPES

We are not aware of any tile outlet pipe replacements required during construction. If private tile drains are encountered that require new tile outlet pipes, the Drainage Superintendent may direct the Contractor to install those pipes. Payment will be on a unit price basis at the unit price bid in the tender documents. If there are extensive systematic private tiling that require new outlet pipes, the Drainage Superintendent may notify the landowners to advise them to complete the work or be responsible for any obstruction in the drain caused by the tile drains.

Tile outlet pipes shall consist of 320 kPa smooth wall high density polyethylene pipe (H.D.P.E.). Each outlet pipe shall be a minimum 3 metre length of non-perforated pipe complete with

rodent grate. The inside diameter of the tile outlet pipes shall be at least as large as the inside diameter of the tile drain.

13.0 ENVIRONMENTAL REQUIREMENTS

The Contractor shall comply with the requirements of the attached “Environmental Protection Special Provisions” included in “Appendix B”. The Town of Tecumseh has a Species at Risk (SAR) Mitigation Plan that will need to be followed and reported on for work in the Town of Tecumseh.

The Contractor shall also comply with the approval requirements of the Department of Fisheries and Oceans and the Essex Region Conservation Authority as set out in the correspondence included in “Appendix D”.

To avoid and mitigate the potential for serious harm to fish, DFO recommends implementation of the measures listed below:

- Conduct work outside the spring and fall timing window (i.e., no in-water work between September 15 to July 15), except when work can be completed in the dry.
- Conduct all work in the dry.
- Leave vegetation undisturbed on one bank except in residential areas.
- Reseed and/or replant any disturbed banks caused by the construction activities with suitable native species.
- Install a sediment trap near the downstream extent of the work zone.
- Install appropriate sediment erosion controls downstream of construction activities (e.g., silt curtain, straw-bale check dam, rock check dam etc.).
- New or replaced culvert crossings should be able to maintain 50% fish passage for average sized Northern pike during a 2-year flood event. Maximum culvert velocities and swim distances can be calculated using the tool at: <http://www.fishprotectiontools.ca/distancevelocity.html>

GENERAL SPECIFICATION FOR OPEN DRAINS

(Revised 2016 11 25)

SECTION 1 - AGREEMENT AND GENERAL CONDITIONS

- (1) Payment for the work shall be on a lump sum basis unless otherwise indicated. The Contractor agrees to enter into a formal contract with the Municipality upon acceptance of the tender. The General Conditions of the contract shall be those of the Stipulated Price Contract CCDC2-Engineers, 2008 or the most recent revision of this document. The form of agreement between Owner and Contractor shall be that of the previously stated document or a form of agreement specifically prepared by the Municipality for this purpose.
- (2) All work shall be in first class condition, comply fully with the report, Special Provisions, General Specifications and the Drainage Act, and be carried out to the satisfaction and approval of the Drainage Superintendent for the Municipality. Upon completion of the project, the work will be inspected by the Engineer and the Drainage Superintendent. Any deficiencies noted during the final inspection shall be immediately rectified by the Contractor. Final inspection will be made by the Engineer within 20 days after the Drainage Superintendent has received notice in writing from the Contractor that the work is completed, or as soon thereafter as weather conditions permit.
- (3) The Contractor shall complete all work on or before the date fixed at the time of tendering. The Contractor will be held liable for any damages or expenses occasioned by his/her failure to complete the work on time and for any expenses of inspection, superintending, re-tendering or re-surveying, due to their neglect or failure to carry out the work satisfactorily or in a timely manner. Any such expenses or damages may be deducted by the Drainage Superintendent from the amount of the contract or may be recovered by the Municipality from the Contractor and his sureties.
- (4) The Contractor shall be required to submit to the Municipality a Certificate of Good Standing from the Workplace Safety and Insurance Board prior to the commencement of the work and the Contractor shall be required to submit to the Municipality a Certificate of Clearance for the project from the Workplace Safety and Insurance Board before final payment is made to the Contractor.
- (5) The Contractor shall keep the work under his/her personal control, and shall not assign, transfer, or sublet any portion without first obtaining the written consent of the Municipality.

SECTION 2 - EXAMINATION OF SITE, PLANS AND SPECIFICATIONS

- (1) Each tenderer must visit the site and review the plans and specifications before submitting his tender and must satisfy himself as to the extent of the work and local conditions to be met during the construction. He is not to claim at any time after submission of his tender that there was any misunderstanding of the terms and conditions of the contract relating to site conditions. The Contractor will be at liberty, before bidding, to examine any data in the possession of the Municipality or of the Engineer.
- (2) The quantities shown or indicated on the drawings or in the report are estimates only and are for the sole purpose of indicating to the tenderers the general magnitude of the work. The tenderer is responsible for checking the quantities for accuracy prior to submitting his tender.

SECTION 3 - CONTRACTOR'S LIABILITY

- (1) The Contractor, his/her agents and all workmen or persons under his control including sub-contractors, shall use due care that no person or property is injured and that no rights are infringed in the prosecution of the work. The Contractor shall be solely responsible for all damages, by whomsoever claimable, in respect to any injury to persons or property of whatever description and in respect of any infringement of any right, privilege or easement whatever, occasioned in the carrying on of the work, or by any neglect on the Contractor's part.
- (2) The Contractor shall indemnify and hold harmless the Municipality and the Engineer, their agents and employees from and against claims, demands, losses, costs, damages, actions, suits, or proceedings arising out of or attributable to the Contractor's performance of the contract.

SECTION 4 – ONTARIO PROVINCIAL STANDARDS

- (1) Ontario Provincial Standard Specifications (OPSS) and Ontario Provincial Standard Drawings (OPSD) shall apply and govern at all times unless otherwise amended or extended in these Specifications or on the Drawing. Access to the electronic version of the Ontario Provincial Standards is available online through the MTO website, free of charge to all users. To access the electronic standards on the Web, go to <http://www.mto.gov.on.ca/english/transrd/>. Under the title Technical manuals is a link to the Ontario Provincial Standards. Users require Adobe Acrobat to view all pdf files.

SECTION 5 – APPROVALS, PERMITS AND NOTICES

- (1) The construction of the works and all operations connected therewith are subject to the approval, inspection, by-laws and regulations of all Municipal, Provincial, Federal and other authorities having jurisdiction in respect to any matters embraced in this Contract. The Contractor shall obtain all approvals and permits and notify the affected authorities when carrying out work in the vicinity of any public utility, power, underground cables, railways, etc.

SECTION 6 – NOTIFICATION OF WORK

- (1) Prior to commencing any work of installing any new bridge or removing any existing structures, the Contractor shall inform the Municipal Drainage Superintendent of his intent to commence work at least 48 hours prior to commencing any work. The Owner or Contractor shall endeavor to install and complete the new structure without delay once the work has commenced. If for any reason the work does not proceed continuously then the Owner or Contractor shall notify the Drainage Superintendent in advance of any backfilling operation or headwall construction so that he may schedule inspection of same

SECTION 7 – CONSTRUCTION SAFETY

- (1) The Contractor shall comply with all the requirements of the Occupational Health and Safety Act, 2013, and the regulations passed in connection therewith, as administered by the Ontario Ministry of Labour and all subsequent amendments of the said Act.
- (2) The Contractor shall exercise all possible precaution against injury to persons or property resulting from his work. The Contractor shall leave no trenches, pits, holes or excavations uncovered, without providing sufficient protection at all times. The Contractor shall install, erect and provide barricades, signs, traffic cones, flashers, lights, plates, warning and other devices, materials and personnel as may be required at his own expense in order to provide for the safe passage and control of traffic and to ensure public safety. All traffic control shall be in accordance with the latest standards of the Ministry of Transportation.

SECTION 8 – TRAFFIC CONTROL

- (1) The Contractor shall not perform excavation operations from the travelled portion of the roadway nor close a road or reduce the width or number of traffic lanes available for traffic except as specified in the contract documents or approved by the Engineer.
- (2) The Contractor will be required to control vehicular and pedestrian traffic along roads at all times and shall, at his/her own expense, provide for placing and maintaining such barricades, signs, flags, lights and flag persons as may be required to ensure public safety. The Contractor will be solely responsible for controlling traffic and shall appoint a representative to maintain the signs and warning lights at night, on weekends and holidays and at all other times that work is not in progress. The costs associated with provision of proper signage, barricades, lights and flag persons shall be considered incidental to the works to remove the old bridge and complete the new bridge installation.
- (3) **During all phases of the project, adjoining public roadways shall remain open to through traffic with at least one lane being open to through traffic at all times.**
- (4) All traffic control during construction shall be strictly in accordance with the **Occupational Health and Safety Act** and the current version of the **Ontario Traffic Manuals**. Access to the electronic version of the **Ontario Traffic Manual** is available online through the MTO website, free of charge to all users. To access the electronic standards on the Web, go to <http://www.mto.gov.on.ca/english/transrd/>, click on "Library Catalogue", under the "Title", enter "Ontario Traffic Manual" as the search. Open the applicable "Manual(s)" by choosing the "Access Key", once open look for the "Attachment", click the PDF file. Users require Adobe Acrobat to view all PDF files.
- (5) **Contractors are reminded of the requirements of the Occupational Health and Safety Act pertaining to Traffic Protection Plans for workers and Traffic Control Plan for Public Safety.**

SECTION 9 – GENERAL CO-ORDINATION

- (1) The Contractor shall be responsible for the coordination between the working forces of other organizations and utility companies in connection with this work. The Contractor shall have no cause of action against the Municipality or the Engineer for delays based on the allegation that the site of the work was not made available to him by the Municipality or the Engineer by reason of the acts, omissions, misfeasance or non-feasance of other organizations or utility companies engaged in other work.

SECTION 10 – STATIONS AND BENCHMARKS

- (1) Reference Stations measured in meters, are indicated on the drawings and represent stations along the course of the work. Stationing is shown along the profile at 25 m intervals numbered consecutively, 0+000, 0+025, 0+050, 0+075, etc. Where cut depths are shown on the profile, they represent the approximate depth, in meters, of the finished drain as measured from the surface of the ground to the design gradeline for the bottom of the open drain. Where excavation depths are shown on the profile, they represent the approximate depth, in meters, from the existing drain bottom down to the design gradeline for the bottom of the open drain.
- (2) The Contractor will be held responsible during the progress of the work for the preservation of all reference stakes, bench marks and survey markers which fall within the limits of the work. The cost of replacing any bench mark or survey marker defaced or destroyed by the Contractor as a result of his work will be deducted from any monies due the Contractor.

SECTION 11 - ALIGNMENT

- (1) Except where specified otherwise, the excavation will follow as nearly as possible the course of the existing drain with sloping and widening carried out on each bank as required to produce the specified cross-section. Wherever sharp or irregular bends occur, all sloping and widening is to be done on that side of the drain that will tend to reduce the curve and improve the alignment of the channel.
- (2) Where one drain bank adjoins the travelled part of any roadway or laneway, all sloping and widening is to be done on that side of the drain farthest from the roadway unless otherwise directed by the Engineer.
- (3) Where the drain bank adjoins an existing fence which is not specified for removal or relocation all required sloping and widening shall be carried out on that side of the drain farthest from the fence.
- (4) Where a drain is to be moved off a road allowance and onto adjoining lands, the top edge of the nearest finished drain bank is to be not closer than 1 metre to the limit of the road allowance or top edge of the abandoned channel. The centreline of the new channel is to be as straight as possible even though this 1 metre dimension is exceeded in places.
- (5) Where a new drain is constructed, its centre line will be as straight as possible and any changes in direction shall be in the form of smooth, regular bends.
- (6) Where a new drain is to be constructed adjoining an existing fence line, the Contractor shall lay out a suitable centre line such that the top edge of the adjacent drain bank, at its widest point, will not be closer than 1 metre to the fence and the Contractor shall use this centre line to establish the drain location.
- (7) The Contractor must lay out the proposed centre line in the field for approval by the Drainage Superintendent prior to construction.

SECTION 12 - PROFILE

- (1) The excavation of the drain must be at least to the depth intended by the grade line shown on the Profile, which grade line is governed by the bench marks. The Profile shows, for the convenience of the Contractors and others, the approximate depth of excavation from the surface of the ground to the final invert of the channel in metres and decimals of a metre and also the approximate depth of excavation from the bottom of the existing channel to the final invert of the channel. Bench marks, which have been established along the course of the drain, shall govern the final elevation of the drain. The location and elevation of the bench marks are shown on the Drawings.

SECTION 13 - BOTTOM WIDTH AND SIDE SLOPES

- (1) The bottom widths and the side slopes of the various sections of the finished drain are to be true to line and grade as shown on the Profile.
- (2) Contractors will not be restricted to the exact dimensions specified but must excavate clear of the specified cross-sections and may excavate such additional depth or width as may be required to accommodate the use of suitable excavating equipment or to allow for minor sedimentation prior to final inspection provided that at no place are the side slopes of the excavation to be cut steeper than the slope specified on the Profile. The Contractor is not to excavate the drain bottom so much deeper than the grade line as to result in the formation of pockets in the drain bottom that will cause water to stand in pools along the drain. Should over-excavation of the drain bank occur, the Contractor will **not** be permitted to repair with native material packed into place by the excavator and reshaped. Should over-excavation occur, the Contractor will be required to have a bank repair detail engineered by a Professional Engineer (hired by the Contractor), to ensure long term stability of the bank is maintained. Such repairs shall be subject to approval by the Engineer and will be at no extra cost to the item.

SECTION 14 - OBSTRUCTIONS

- (1) All brush, timber, logs, stumps, stones, or other obstructions encountered within the limits of the channel along the course of the drain are to be removed by the Contractor. Timber, logs and stumps are to be dealt with in the same manner as specified for brush and trees. Large stones and other similar materials are to be piled near the limit of the spread area so as not to interfere with the spreading of the excavated material. The disposal of this material shall be the owner's responsibility.

SECTION 15 - BRUSH AND TREES

- (1) Brushing shall be carried out on the entire drain within the above identified sections of the drain where required and as specified herein. **All** brush and trees located within the drain side slopes shall be cut parallel to the side slopes, as close to the ground as practicable. Tree branches that overhang the drain shall be trimmed. Small branches and limbs are to be disposed of by the Contractor along with the other brush. Tree stumps, where removed to facilitate the drain excavation and reshaping of the drain banks, may be burned by the Contractor where permitted; otherwise, they shall be disposed of, off the site. All thorn trees shall be disposed of off-site.
- (2) Where the existing bottom widths and side slopes of the drain are sufficient to permit the specified deepening of the drain without disturbing the existing banks above the present drain bottom, the Contractor will be required to cut the brush and trees on the sloping banks flush with the surface of the banks but he will not be required to remove their roots and stumps unless they will obviously create obstructions to the flow of water in the drain.
- (3) Where it is necessary to widen the drain and excavate material from the sloping banks, all brush and trees within the limits of the channel and within 1 metre of the top of the drain banks and within the spread area are to be cut and those roots and stumps in the drain bottom and on the banks where the widening takes place shall be completely removed unless the Drainage Superintendent permits the Contractor to cut the roots and stumps flush with the surface of the finished banks.
- (4) The Contractor shall make every effort to preserve mature trees which are beyond the drain side slopes, and the working corridors. If requested to do so by the Drainage Superintendent, the Contractor shall preserve certain mature trees within the designated working corridors.
- (5) Where there is a fence adjoining the drain, he will be required to cut the brush in the fence line and on the side of the fence opposite the drain only if the excavating equipment will be operated from this side or excavated material is to be placed and levelled on this side.
- (6) The Contractor shall cut off flush with the ground all brush and trees having a diameter of 150 mm or less from the disposal area. Should the Contractor find it necessary to remove trees having a diameter of 150 mm or larger from the disposal area in order to permit the efficient excavation of the drain or spreading of excavated material, he will be at liberty to do so only on permission of the Drainage Superintendent in charge of the work.
- (7) All trees over 200 mm in diameter that are cut are to be trimmed of branches, and the trunks, along with branches over 200 mm in diameter, are to be cut up into log lengths and piled for the use of the adjoining owner unless the owner advises the Drainage Superintendent he does not want them, in which case they are to be disposed of by the Contractor along with the other brush. Small branches and limbs are to be disposed of by the Contractor along with the other brush. Tree stumps may be burned by the Contractor where permitted; otherwise, they shall be disposed of by him away from the site of the work.
- (8) Following completion of the work, the Contractor is to trim up any broken or damaged limbs on trees which remain standing, disposing of the branches cut off along with other brush and leaving the trees in a neat and tidy condition.
- (9) Brush and trees removed from the drain and banks thereof and from the disposal area are to be put into piles by the Contractor, in locations where they can be safely burned, and are to be burned by the Contractor after obtaining the necessary permits, as required. If, in the opinion of the Drainage Superintendent, any of the piles are too wet or green to be burned, he will so advise the Contractor who may then arrange, to the Drainage Superintendent's satisfaction, an agreement in writing, with the owners where the piles are located, for them to burn the material when dry enough. If a satisfactory agreement cannot be made, the Contractor to haul away the unburned materials to an approved dump site.
- (10) Since the trees and brush that are cut off flush with the earth surface may sprout new growth later, it is strongly recommended that the Municipality make arrangements for spraying this new growth at the appropriate time so as to kill the trees and brush.

- (11) Prior to and during the course of burning operations the Contractor shall comply with the guidelines prepared by the Air Quality Branch of the Ontario Ministry of the Environment and shall ensure that the Environmental Protection Act is not violated.
- (12) In no case will brush or trees be buried in the spoil bank or within the excavated material.
- (13) The Contractor will be required to brush rake the excavated material to remove brush and trees from the spoil if so instructed by the Drainage Superintendent.
- (14) As part of this work, the Contractor shall remove any loose timber, logs, stumps, large stones or other debris from the drain bottom and from the side slopes. Timber, logs, stumps, large stones or other debris shall be disposed of off-site.

SECTION 16 – EXCAVATION OF DRAIN

- (1) All excavated material shall be handled as specified in the following section. Materials deposited on the farmlands shall be within the working corridors, at least 2.0 m from the top of the drain bank, or as specified on the drawings. Upon allowing drying of excavated materials (if necessary) and as approved by the Drainage Superintendent, the Contractor shall level excavated materials as specified. Excavated material shall not be placed on dykes, in ditches, tiles or depressions intended to conduct water into the drain.
- (2) Seeding of the disturbed drain banks shall be completed immediately following drain construction as specified in the Special Provisions.
- (3) All excavation work shall be done in such a manner as to not harm any vegetation or trees, not identified in this report or by the Drainage Superintendent for clearing. Any damages to trees or vegetation caused by the Contractors work shall be rectified to the satisfaction of the Drainage Superintendent.
- (4) The Contractor shall exercise caution around existing tile inlets and shall confirm with the property owners that all tiles have been located and tile ends repaired as specified.

SECTION 17 - DISPOSAL OF EXCAVATED MATERIAL

- (1) Where a part of the drain is being relocated, the Contractor shall strip the topsoil from the alignment of the new course and stockpile it for re-use following the completion of the subsoil operations. Subsoil excavated from the new course is to be used first to fill the existing course which is to be abandoned. Where the Contractor can conveniently do so, he may deposit the material in the old course as he excavates it from the new course but where the distance separating the new course from the old course is too great to permit this the excavated material must be loaded onto trucks, hauled to the abandoned drain and placed in the old channel. The material shall be placed in the abandoned channel in layers no greater than 300 mm in thickness. Each layer shall be thoroughly compacted with the levelling equipment available at the site prior to the placement of the subsequent layers. The abandoned channel shall be filled to an elevation at least 300 mm higher than the adjacent natural ground elevation to allow for settlement. If insufficient material is available to fill the old course, the surface of the material shall be graded so as to eliminate any low areas that would collect water.
- (2) Excess excavated material not required for the filling of an abandoned channel or material excavated from the drain under normal construction, repair, or improvement shall be deposited and spread on the immediately adjoining farm lands in the locations set out in the Special Specifications. The material shall be deposited and spread no closer than 2 metres from the top edge of the adjacent drain bank and at least 1 metre clear of all fences.
- (3) Where the excavated material is deposited in bush land, it is to be spread and levelled in the form of a spoil bank over at least the full width of the strip that has been cleared to permit the passage of excavating equipment but in no case is the top surface to be left more than 600 mm above the natural ground level even though this may require additional clearing to produce a sufficient disposal area. On completion, the spoil bank is to be left so that it is smooth enough to drive an ordinary farm vehicle along it.
- (4) Where the adjoining land is sufficiently clear to permit cultivation, the Contractor shall deposit the excavated material on the property and spread the material over a width that, after spreading, the excavated material will generally have a thickness of approximately 150 mm. The Contractor shall utilize a minimum spread width of 6 metres and a maximum spread width of 20 metres even though this results in a depth of material in excess of 150 mm. The material shall be thoroughly spread and levelled with suitable equipment and left in a condition which permits cultivation with ordinary farm equipment without causing undue hardship on farm machinery and personnel.
- (5) After the excavated material has been spread and levelled, any stockpiled topsoil is to be spread over it to a depth of no more than 100 mm.
- (6) No excavated material is to be placed on lawns or ornamental shrubbery but is to be deposited on either or both sides of the lawn on the farm lands immediately adjacent to the lawn.
- (7) Excavated material or topsoil shall not be placed in ditches, tiles or depressions intended to conduct water into the drain.
- (8) The material shall be sufficiently levelled to allow further working by agricultural implements.
- (9) All stones and other debris removed from the drain, which may interfere with agricultural implements, shall be disposed of off-site.
- (10) The Drainage Superintendent in charge will be the sole judge as to the proper disposal of material under the contract and this specification

SECTION 18 - FENCES

- (1) Where it is necessary to remove any fences which parallel the course of the drain in order to permit the excavation of the drain or the disposal of excavated material the Contractor shall remove the fence. An allowance will be made to the owners of the properties to compensate them for damages to fences which are considered capable of restraining cattle. The Contractor shall notify the owner of his intentions to remove the fence at least 7 days prior to doing so. Any owner has the option to salvage his fencing materials but must do so sufficiently in advance of the Contractor's operations so as to cause no unnecessary delays to him. If the owner does not remove his fences, the Contractor shall carefully take down the fence and leave the materials neatly placed beyond the limit of the spread area for disposal or reconstruction by the owner. The owner will be responsible to construct and maintain any temporary fencing during the progress of the work. The landowners and not the Contractor will be

responsible for the control of livestock in the adjoining field during the period of construction. Unless otherwise specified, the Contractor will not be required to reconstruct the fences following the completion of the work of excavation and levelling.

- (2) No permanent fencing shall be constructed or reconstructed without the approval of the Drainage Superintendent. Any fences that are constructed or reconstructed along the course of the drain are to be kept at least 1 metre clear of the top edge of the adjacent drain bank.
- (3) Where the Contractor finds it necessary to remove any fences which cross the drain, he shall remove the fencing materials in a careful, workmanlike manner. Unless otherwise directed the Contractor shall reconstruct the cross fences in as good a condition as the old material permits.

SECTION 19 - ROAD CROSSINGS

- (1) Where the drain crosses the travelled part of a road through a bridge, the Contractor shall excavate the drain to its specified dimensions through the bridge opening, using care to avoid damaging it. If after the drain has been excavated at any bridge structure it appears to the Drainage Superintendent that repairs or replacement may be required, he shall so advise the Road Authority having jurisdiction over the particular bridge.
- (2) Where a new bridge is required or where any underpinning, strengthening or repairs is rendered necessary by the work, it is to be carried out by the Road Authority at its own expense.
- (3) Where the drain crosses the travelled part of a road through a pipe that does not have to be replaced or lowered, the Contractor shall clean the pipe to its full cross-sectional area using care to avoid damaging it.
- (4) Where the existing pipe is of sufficient size and is in a good state of repair but requires to be lowered, the Contractor shall carefully remove it, clean it to its full cross-sectional area and replace it in the drain as specified herein.
- (5) Where the existing pipe must be replaced, the Contractor shall carefully remove it from the drain, clean it to its full cross-sectional area, and leave it beside the drain for removal by the Road Authority. Unless otherwise instructed he shall install the new road culvert as supplied by the Road Authority. All backfill material shall be compacted granular material supplied by the Road Authority, unless otherwise specified.
- (6) The Contractor shall notify the Road Authority having jurisdiction over the structure under construction at least 72 hours in advance of any construction activities.

SECTION 20 - FARM AND ACCESS CULVERTS

- (1) Where a farm or access culvert or bridge does not have to be replaced or lowered, the Contractor shall clean it to its full cross-sectional area using care to avoid causing damage to it in the process.
- (2) Where a pipe culvert is to be lowered, the Contractor shall carefully remove it, clean it to its full cross-sectional area and replace it in the drain with its invert set 10% of the pipe diameter below the grade line.
- (3) Where a culvert is to be replaced, the Contractor shall carefully remove it from the drain, clean it to its full cross-sectional area and leave it on the drain bank. If the pipe was originally supplied and installed by the property owner, it shall be left for disposal by the owner. If the pipe was installed under the provisions of The Drainage Act, it shall be disposed of as directed by the Drainage Superintendent and any salvage value from the sale of the pipe shall be credited to the drain. Wooden or concrete farm or access bridges which must be removed from the drain shall be disposed of in the same manner.
- (4) Where a pipe culvert is to be installed in the drain, all materials shall be supplied by the Drainage Superintendent as an expense to the drain. The Contractor shall install the pipe in the location directed by the Drainage Superintendent in accordance with the specifications governing the installation.
- (5) Where a new culvert is to be installed, the owner may request the Drainage Superintendent to have it placed in a different location from the existing one and this will be permitted so long as the relocation does not result in an increase in the area draining through the culvert. Adequate notice of the change must be given to the Contractor. In no case may the existing culvert be left in the drain when it has been specified that it is to be removed.

SECTION 21 - FARM AND ACCESS PIPE CULVERT INSTALLATION

21.1 - Location and Elevation of Access Culvert or Farm Culvert

- (1) In general, the new access or farm culvert shall be installed as shown on the drawings attached to the engineer's report. Prior to installation, the Contractor shall contact the Drainage Superintendent to confirm the exact location for the new culvert. The Drainage Superintendent, in consultation with the property owner, shall establish the exact location for the new culvert in the field.
- (2) The invert (inside bottom) bottom of the pipe shall be set according to the elevations shown on the accompanying plans. For the purpose of construction, the bench mark indicated on the accompanying plans shall be used to determine the elevation of the proposed enclosure.

21.2 Dry Culvert Installation

- (1) Suitable dykes shall be constructed in the drain so that the installation of the pipe can be accomplished in the dry. The Contractor shall perform the excavation, placement of bedding, pipe and backfill in a dry condition and shall provide all required pumps and/or equipment to enable the work to proceed in the dry.

21.3 Pipe Installation

- (1) The required pipe shall be set in the drain to the dimensions shown on the accompanying drawings and the Contractor shall carry out all required excavation to install the pipe and specified rip-rap end treatment. The drain bottom shall be cleaned, prepared, shaped and compacted to suit the new culvert configuration, as shown on the drawings. The Contractor shall excavate sufficient material from the drain banks and bottom to permit placement of the pipe and backfill material. The minimum trench width as shown on the drawings, shall be provided from the face of the pipe to the excavated trench wall along each bank to provide working room to compact the backfill material.

- (2) The surface on which the culvert is to be laid shall be true to grade and alignment and shaped to accept the materials to be placed. The pipe shall be laid to the alignment and grade shown in the report but may not be placed on a bed containing frozen materials.
- (3) The end protection to each end of the pipe structure shall be as specified in the Special Provisions and on the Drawings and in accordance with the following applicable specifications.
- (4) All newly excavated portions of the drain bank shall be seeded.
- (5) The Contractor shall dispose of all surplus excavated material at an approved disposal site at his expense.
- (6) Riveted corrugated steel pipe shall be laid with the inside circumferential laps pointing in the direction of the flow. The longitudinal laps shall be located in the upper half of the pipe.
- (7) All helical corrugated steel pipe shall be supplied with re-rolled annular ends and shall be installed so that the helix angle is constant for the total length of the installation and each pipe section shall be installed next to the previous section such that the lock-seam forms a continuous helix.
- (8) Corrugated steel pipe sections shall be joined together by means of plant fabricated couplers having a minimum wall thickness of 1.6 mm and a 10 c width. The couplers shall be installed to lap approximately equal portions of the pipe sections being connected, such that the corrugations or projections of the coupler properly engage the pipe corrugations.
- (9) Where fabrication of structural plate structures by the Contractor is specified, they must be assembled in the trench or at the side of the excavation. If the assembled structure has to be moved to its final position, it shall be moved in such a manner that no damage or distortion is caused to the structure. The materials shall be assembled and handled in accordance with the manufacturer's specifications and directions.
- (10) The whole of the work shall be done in a neat, thorough and workmanlike manner such that the alignment of the bridge pipe at each location meets the full satisfaction of the drainage superintendent.

21.4 Backfilling and Compaction

- (1) Backfill and cover material on each side of the culvert pipe shall be carefully placed simultaneously on each side of the pipe so that damage to or movement of the pipe is avoided. At no time shall the levels on each side differ by more than the 300 mm uncompacted layer. Then, a 300mm thick layer of Granular 'A' material, O.P.S.S. Spec 1010 shall be constructed as a road base. All backfill materials shall be placed in layers not exceeding 300mm (12") in thickness, loose measurement. Each layer shall be thoroughly compacted in place to a Standard Proctor Density of 100% by means of mechanical compactors. The Contractor shall provide sufficient water to the granular material such that optimum compaction levels are achieved. The equipment used and method of compacting the backfill material shall be to the full satisfaction of the Drainage Superintendent.

SECTION 22 – LATERAL TILE DRAINS

- (1) Should the Contractor encounter any lateral tiles within the proposed culvert limits as shown and also those not shown on the attached drawings, the Contractor shall re-route the outlet tile drain(s) in consultation with the Drainage Superintendent, as required, to accommodate the new culvert. **Tile drain outlets through the wall of the new culvert pipe will not be permitted.** All costs associated with re-routing lateral tile drains (if any) shall be at the Contractor's expense. Care must be taken in handling plastic drain pipe in cold weather to avoid causing damage.
- (2) Plastic drain pipe shall be held in position on planned grade immediately after installation by careful placement of backfill material.

SECTION 23 – CULVERT END PROTECTION - SLOPING RIP-RAP

- (1) Where specified, the Contractor shall install quarried rip-rap erosion protection materials on the slopes at both ends of the pipe. The backfill and quarried rip-rap protection over the ends of the pipe shall be sloped at 1.5 horizontal to 1 vertical or to a flatter slope specified on the drawings. All stone used for rip-rap culvert end protection shall be 125-225 mm clear quarried rock or OPSS.MUNI 1004 and be placed with a minimum thickness of 300mm thickness. Prior to placing rip-rap materials on the backfill materials, the Contractor shall lay a non-woven geotextile filter fabric equal to a "Terrafox 270R" or approved equal. The geotextile filter fabric shall extend from the bottom of the pipe to the top of each side slope of the drain and between both side slopes of the drain. No portion of the filter fabric shall remain exposed to sunlight. The Contractor shall take extreme care to not damage the geotextile filter fabric when placing the rip-rap on top of the filter fabric. The geotextile filter fabric and quarried stone shall be placed to the complete satisfaction of the Drainage Superintendent. **Concrete rip-rap or round stone will not be permitted.**
- (2) Where a clay layer is specified beneath the Rip-Rap End Protection, it shall be a 500 mm thick layer of cohesive clay material that is dry select earth material free of topsoil, organic matter, broken concrete, steel, wood and deleterious substances. It shall be placed and shaped before the filter fabric layer is placed.

SECTION 24 - BAGGED CONCRETE HEADWALLS – SINGLE BAG THICKNESS

- (1) Sacked concrete end walls that do not exceed 1.8 m in height shall be constructed of a single row of sacked concrete. The installation of the end wall shall be governed by the drawings. The end wall treatment shall extend to the same elevation as the finished travelled surface and fit to the top of bank elevation on both banks and in any event be a minimum of 300 mm above the crown of the pipe.
- (2) Where specified and after the Contractor has set in place the new pipe and partially backfilled same, he shall install new concrete filled jute bag headwalls at each end of the pipe. When constructing the concrete jute bag headwalls, the Contractor shall place the bags so that the completed headwall will have a slope inward from the bottom of the pipe to the top of the finished headwall, the slope of the headwall shall be one unit horizontal to five units vertical.
- (3) The Contractor shall completely backfill in behind the new concrete jute bag headwalls with granular material, Granular "B" per O.P.S.S. 1010, and the granular material shall be compacted in place with a Standard Proctor Density of 100%. The placing of the jute bag headwalls and the backfilling shall be performed in lifts simultaneously. The granular backfill shall be placed and compacted in lifts not to exceed 300mm (12") in thickness.

- (4) The concrete jute bag headwalls shall be constructed by filling jute bags with concrete. All concrete used to fill the jute bags shall have a minimum compressive strength of 20 MPa in 28 days and shall be provided and placed only as a wet mix. Under no circumstances shall the concrete to be used for filling the jute bags be placed as a dry mix. The jute bags, before being filled with concrete, shall have a dimension of 460mm x 660mm (18" x 26"). The jute bags shall be filled with concrete so that when they are laid flat they will be approximately 100mm (4") thick, 300mm (12") to 380mm (15") wide and 460mm (18") long.
- (5) The concrete jute bag headwall to be provided at the end of the pipe shall be of single bag wall construction or as specified otherwise. The concrete filled bags shall be laid so that the 460mm (18") dimension is parallel with the longitudinal length of the new pipe. The concrete filled bags shall be laid on a footing of plain concrete being 460mm (18") wide or as otherwise specified, extending for the full length of the wall, and from 0.3 metres (1.0') below the bottom of the corrugated pipe to the bottom of the culvert pipe. All concrete used for the footing shall have a minimum compressive strength of 20 MPa in 28 days.
- (6) The completed jute bag headwalls shall be securely embedded a minimum of 0.50m (20") into the side slopes of the drain. At the road side of the bridge the Contractor shall flair outwards each headwall approximately 1.5m (5.0') as directed by the Drainage Superintendent.
- (7) Upon completion of the jute bag headwall the Contractor shall cap the top row of concrete filled bags with a layer of plain concrete, 150mm (6") thick, and hand trowelled to obtain a pleasing appearance. The concrete cap shall be the same width as the bagged wall and excess concrete will not be allowed to be placed on the cap area. The concrete cap shall not overhang the bagged wall on the driveway side of the wall.
- (8) The Contractor shall fill all voids between the concrete filled jute bags and the corrugated steel pipe with concrete, particular care being taken underneath the pipe haunches to fill all voids.

SECTION 25 – BAGGED CONCRETE HEADWALLS – DOUBLE BAG THICKNESS

- (1) Sacked concrete end walls that exceed 1.8 m in height shall be constructed of double rows of sacked concrete.
- (2) The concrete filled bags are to be laid so that the 460mm (18") dimension is perpendicular (at right angles) to the longitudinal length of the new pipe. Therefore, the long dimension of the bag will be visible when the headwall is complete.

SECTION 26 – GROUTED CONCRETE RIP-RAP WALL

- (1) Where specified, the Contractor may construct a grouted concrete rip rap headwall. The specifications for the installation of a concrete filled jute bag headwall shall be followed with the exception that broken sections of concrete may be substituted for the jute bags. The concrete rip rap shall be approximately 460mm (18") square and 100mm (4") thick and shall have two flat parallel sides. The rip rap shall be fully mortared in place using a mixture composed of three parts of clean, sharp sand to one part of Portland Cement.

SECTION 27 – PRECAST CONCRETE HEADWALLS

- (1) Where specified as an alternative, the Contractor may supply and install precast concrete headwalls. Said precast headwalls shall be a custom made product, manufactured by Underground Specialties (Windsor) or similar provider.
- (2) The precast concrete headwall or precast blocks or modules shall be of the shape, size and dimensions shown on the drawings.
- (3) Precast provider to provide stamped engineering drawing for precast headwall and Geotextile restrainers for approval.
- (4) Excavation for the headwalls shall be in conformance with O.P.S.S. Section 902.
- (5) The supply and placement of concrete shall be in conformance with O.P.S.S. Section 904. All concrete shall have a strength of 33 MPa after 28 days. All concrete shall be air entrained to an air content of $6\% \pm 1.5\%$ by volume for 19mm maximum size of aggregate. Minimum cover for concrete shall be 40mm (1 1/2").
- (6) The supply and placement of reinforcing steel shall be in conformance with O.P.S.S. Section 905. The reinforcing steel shall be grade 400 and shall be of the size and type shown on the drawings.
- (7) The Contractor shall place the precast headwall so that it is straight and plumb. The method of backfilling the side slope trenches shall be such that no voids remain under the haunches of the sloping concrete headwall. The Contractor's method of achieving this shall be approved prior to start of construction.
- (8) The Contractor shall provide a sufficient opening in the headwalls so that when the headwalls are set and plumb the corrugated steel pipe may be inserted or adjusted to grade. The void between the corrugated steel pipe and opening in the headwall shall be fully mortared in place using a mixture composed of three parts of clean, sharp sand to one part of Portland Cement.
- (9) After the corrugated steel pipe has been set and partially backfilled with Granular "B" per O.P.S.S. 1010 and compacted to 100% Standard Proctor Density, geotextile tie backs to the precast concrete headwalls in accordance to approved stamped headwall and restraining devices.

SECTION 28 - TILE OUTLET PIPES AND ROAD DRAINS

- (1) Where existing tile outlet pipes of cast iron, asbestos cement, corrugated steel or other rigid material are encountered along the course of the drain, and where they will be removed or rendered useless by the work, the Contractor, as part of his work, shall reinstall the outlet pipes in the re-graded bank.
- (2) Where, in the course of the grading operation tile drains having no outlet pipe are encountered or the existing outlet pipe is not suitable for re-installation, the Contractor shall install an outlet pipe manufactured for that purpose. The outlet pipe shall be one size larger than the diameter of the tile, 3 metres in length, and supplied by the Drainage Superintendent as an expense to the drain.
- (3) All outlet pipes installed shall be at least 3 metres long and shall be embedded 2.5 metres into the bank of the drain and shall protrude 0.5 metres beyond its face. The outlet end shall be fitted with a removable wire rodent guard.
- (4) Where a drain adjoining a road is relocated, the Drainage Superintendent shall arrange to have all existing private and road drains which cross beneath the road extended across the old course of the drain to the drain in its new location. The cost of all pipe materials to extend these drains together with the installation costs will be borne by the Road Authority having jurisdiction.

SECTION 29 – RIP-RAP EROSION PROTECTION

- (1) The Contractor shall supply and install the required quantities of graded stone rip-rap erosion protection materials where specified. All stone used for rip-rap culvert end protection shall be 125-225 mm clear quarried rock or OPSS.MUNI 1004 and be placed with a minimum thickness of 300mm thickness. Prior to placing rip-rap materials on the backfill materials, the Contractor shall lay a non-woven geotextile filter fabric equal to a "Terrafix 270R" or approved equal. No portion of the filter fabric shall remain exposed to sunlight. The Contractor shall take extreme care to not damage the geotextile filter fabric when placing the rip-rap on top of the filter fabric. The geotextile filter fabric and quarried stone shall be placed to the complete satisfaction of the Drainage Superintendent. **Concrete rip-rap or round stone will not be permitted.**

SECTION 30 – LOCATION OF STRUCTURES, ETC.

- (1) The Contractor shall satisfy himself as to the exact location, nature and extent of any existing structure, utility or other object which he may encounter during the course of the work. The Contractor shall indemnify and save harmless the Municipality and the Engineer for any damages which he may cause or sustain during the progress of the work. He shall not hold the Municipality or the Engineer liable for any legal action arising out of any claims brought about by such damage caused by him.

SECTION 31 - LAWN RESTORATION

- (1) Where the construction works cross a lawn, the Contractor shall take extreme care to avoid damaging the lawn, shrubs and trees encountered. Upon completion of the work, the Contractor shall completely restore the area by the placement and fine grading of topsoil and seeding or sodding the area as specified by the Engineer or Drainage Superintendent.

SECTION 32 – PROPERTY BARS AND SURVEY MONUMENTS

- (1) The Contractor shall be responsible for marking and protecting all property bars and survey monuments during construction. All missing, disturbed or damaged property bars and survey monuments shall be replaced at the Contractor's expense, by an Ontario Land Surveyor.

SECTION 33 - CLEAN UP AND RESTORATION

- (1) The Contractor shall leave the whole of the site of the work in a neat, thorough and workmanlike appearance to the full satisfaction of the Drainage Superintendent. He shall haul away any excess earth from the site. He shall haul to the site, at his own expense, sufficient earth to fill any depressions caused by his work. All debris and waste materials specified for disposal by others shall be left in a neat condition. All materials to be disposed of under this contract shall be removed by the Contractor and the site left in a neat and tidy condition. The site shall be left, as closely as possible, in the same condition it was in prior to the commencement of the work.
- (2) As part of the work and upon completion, the Contractor shall remove and dispose of, off-site any loose timber, logs, stumps, large stones, rubber tires, cinder blocks or other debris from the drain bottom and from the side slopes. Where the construction works cross a lawn, the Contractor shall take extreme care to avoid damaging the lawn, shrubs and trees encountered. Upon completion of the work, the Contractor shall completely restore the area by the placement and fine grading of topsoil and seeding or sodding the area as specified by the Engineer or Drainage Superintendent.

SECTION 34 - UTILITIES, RAILWAYS, ETC.

- (1) The Contractor shall note that overhead and underground utilities such as hydro, gas, telephone and water are not necessarily shown on the drawings. Before commencing work, the Contractor will investigate the location of any and all railways, utility lines, wires, pipes, poles, towers, cables, etc. which may interfere with the proposed work. He will take all necessary steps to avoid damaging these. The Contractor will be liable for any damage to utilities and should any damage result to them from his operations, he will be completely responsible for these damages and will save harmless the Municipality and the Engineer from any legal actions which may arise as a result of such damage.
- (2) If permits are required to allow the work to be carried out on or adjacent to any utilities, pipelines, railways, etc., the Contractor shall obtain these at his own expense.
- (3) All work on or adjacent to any utility, pipeline, railway, etc., is to be carried out in accordance with the requirements of the utility, pipeline, railway, or other, as the case may be, and its specifications for such work form part of this specification and apply.
- (4) In accordance with Section 26 of the Drainage Act, if utilities are encountered during the installation of the drainage works that conflict with the work, the operating utility company shall relocate the utility at their own costs. The Contractor however will be responsible to co-ordinate these required relocations and their co-ordination work shall be considered incidental to the project.

SECTION 35 – DAMAGE TO TRAVELLED PORTION OF MUNICIPAL ROADS

- (1) The Contractor shall be responsible for any damage caused by him to any portion of the municipal road system, especially to the travelled portion. When excavation work is being carried out and the excavation equipment is placed on the travelled portion of a road, the travelled portion shall be protected by having the excavation equipment placed on satisfactory timber planks or timber pads. If any parts of the travelled portion of the road are damaged by the Contractor, the Municipality shall have the right to have the necessary repair work done by its employees and the cost of all labour and materials used to carry out the repair work shall be deducted from the Contractor's contract and credited to the Municipality.

SECTION 36 – MAINTAINING FLOWS

- (1) The Contractor shall maintain the flow of any drainage works encountered in the progress of the work at no expense to the Owner. The Contractor shall obtain written approval from the Engineer in charge to stop up any drain and if necessary provide pumping equipment, build necessary by-passes, etc. at no expense to the Owner.

SECTION 37 – MAINTENANCE

- (1) The successful Tenderer shall guarantee the work for a period of one (1) year from the date of acceptance (as evidenced by the final inspection report), thereof from deficiencies that, in the opinion of the Engineer, were caused by faulty workmanship or materials. The successful Tenderer shall, at his/her own expense, make good and repair deficiencies and every part thereof, all to the satisfaction of the Engineer. Should the successful Tenderer for any cause, fail to do so, then the Municipality may do so and employ such other person or persons as the Engineer may deem proper to make such repairs or do such work, and the whole costs, charges and expense so incurred may be deducted from any amount due to the Tenderer or may be collected otherwise by the Municipality from the Tenderer. Nothing herein contained shall be construed as in any way restricting or limiting the liability of the Contractor under the appropriate laws under which the work is being done.

SECTION 38 - DRAINAGE SUPERINTENDENT

- (1) Where the word "Drainage Superintendent" is used in this specification, it shall mean the person or persons appointed by the Council of the Municipality having jurisdiction, to superintend the work.
- (2) The Drainage Superintendent will be permitted to make minor variations in the, work so long as these variations will result in either a more satisfactory drain or a more economical one. These variations, however, must not be such as to change the intent of the work performed nor are they to reduce the standard of quality.

SECTION 39 - SPECIAL PROVISIONS

- (1) The Part of the Specifications headed "Special Provisions" which is attached hereto forms part of this Specification and is to be read with it. Where there is any difference between the requirements of this General Specification and those of the Special Provisions, the Special Provisions shall govern.

RC SPENCER ASSOCIATES INC.

Windsor, Leamington & Chatham, Ontario

ENVIRONMENTAL PROTECTION SPECIAL PROVISIONS

(Revised 2016 11 25)

SECTION 1 – GENERAL

- (1) These Environmental Protection Special Provisions shall apply and form part of this Contract. All costs associated to confirming with these Special Provisions shall be included in the Tender prices bid.

SECTION 2 - FIRES

- (1) Fires and burning of rubbish on site will be permitted only with special approval from the Municipality.

SECTION 3 - DISPOSAL OF WASTES

- (1) The Contractor shall not bury rubbish and waste materials on site unless approved by the Engineer and all applicable approving authorities. The site shall be maintained free of accumulated waste and rubbish. All waste materials should be disposed of in a legal manner at a site approved by all local approving authorities and the Engineer.
- (2) The Contractor shall not allow deleterious substances, waste or volatile materials such as mineral spirits, or paint thinner, to enter into waterways, storm or sanitary sewers.
- (3) The disposal of dredge material where applicable shall be in accordance with the above.

SECTION 4 - POLLUTION CONTROL

- (1) The Contractor shall maintain under this Contract temporary erosion, sediment and pollution control features installed.
- (2) The Contractor shall control emissions from equipment and plant to local authority's emission requirements.
- (3) The Contractor shall not cause excessive turbidity when performing in-water work. The Contractor shall not allow any debris, fill or other foreign matter to enter into the waterway. The Contractor shall remove from the waterway, all extraneous materials resulting from in-water work.
- (4) The Contractor shall abide by local noise By-Laws for the duration of the Contract.
- (5) Spills of deleterious substances into waterways and on land shall be immediately contained by the Contractor and the Contractor shall cleanup in accordance with Provincial regulatory requirements. All spills shall be reported to the Ontario Spills Action Centre (1-800-268-6060), local authorities having jurisdiction and the Engineer. To reduce the risk of fuel entering the waterway, refuelling of machinery must take place a safe distance from the waterway. The Contractor shall note that the Engineer or the Owner takes no responsibility for spills, this shall be the sole responsibility of the Contractor.

SECTION 5 - WHMIS

- (1) The Contractor shall comply with the requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage and disposal of hazardous materials and regarding labelling and the provision of material safety data sheets acceptable to Labour Canada.

SECTION 6 - DRAINAGE

- (1) The Contractor shall not pump water containing suspended materials into waterways, sewers or drainage systems. The Contractor shall be solely responsible for the control, disposal or runoff of water containing suspended materials or other harmful substances in accordance with these specifications, and local authority requirements. The Contractor shall provide temporary drainage and pumping as necessary to keep excavations and the site free from water.
- (2) The Contractor shall install and maintain sediment control devices as indicated on the Contract Drawing and as directed by the Engineer.

SECTION 7 - PROTECTION OF VEGETATION

- (1) The Contractor shall exercise the utmost caution to ensure that existing trees and plants on-site and on adjacent properties are not damaged or disturbed unless noted otherwise in the Removals Special Provisions of this Contract. The Contractor shall restrict tree removal to areas indicated on the Contract Drawings and/or designated on-site. No trees or shrubs shall be removed without the approval of the Engineer.

SECTION 8 - DUST CONTROL

- (1) The Contractor will be solely responsible for controlling dust nuisance resulting from his operations, both on the site and within adjacent rights-of-way.
- (2) Water and calcium chloride shall be applied to areas on or adjacent to the site as authorized by the Engineer as being necessary and unavoidable for the prevention of dust nuisance or hazard to the public. No payment will be made for dust control unless otherwise specified in the Special Provisions.

SECTION 9 - RESTRICTIONS FOR IN-WATER WORKS

- (1) The Contractor shall only perform in-water works during times when conditions permit reasonable production rates to be achieved. The Contractor shall be required to adopt good housekeeping practices that minimize disturbance to the site and the adjacent waterway.
- (2) The Contractor shall note that this Project is subject to approval from the Essex Region Conservation Authority and as such, any possible turbidity caused by the construction of shore protection works is of key importance.
- (3) The Contractor shall minimize the turbidity (sedimentation) produced by any in-water works construction or operations. The Contractor will be ordered to cease operations if, in the opinion of the Engineer or authorities having jurisdiction, the in-water work is producing unacceptable amounts of turbidity in the waterway. Based on this, the Contractor shall either adjust his operation(s) to produce lower turbidity levels, wait for more favourable conditions before operations will be allowed to continue, or undertake approved mitigating measures (e.g., sediment control, etc.). All costs associated with the above will be the sole responsibility of the Contractor, and no claims for extras or delays will be considered.

SECTION 10 - FISH HABITAT

No work shall be undertaken when there is likelihood of adverse effects on fish spawning or fish habitat in downstream waters. The Contractor shall implement the following measures to avoid causing harm to fish and fish habitat:

10.1 - Site Selection

- (1) Design and plan activities and works in the water body such that loss or disturbance to aquatic habitat is minimized and sensitive spawning habitats are avoided.
- (2) Design and construct approaches to the water body such that they are perpendicular to the watercourse to minimize loss or disturbance to riparian vegetation.
- (3) Undertake all instream activities in isolation of open or flowing water to maintain the natural flow of water downstream and avoid introducing sediment into the watercourse.

10.2 - Standard Practices

- (1) Work will not be conducted at times when flows are elevated due to local rain events, storms or seasonal floods. Construct the work 'in the dry' and cut only trees necessary to do the work (no clear-cutting) and as specified in the Construction Specifications. All disturbed areas and all disturbed soils on both banks and within the channel, including spoil, must be stabilized immediately, and upon completion of work returned to a pre-disturbed state or better as soon as conditions allow.

10.3 - Timing Windows

- (1) For spring spawning fish in southwestern Ontario, the timing window for construction, is July 15 to March 15. This covers all warm water fish species, which is the type of fish that will be found in essentially all the small watercourses and drains in southwestern Ontario. Do not carry out in-water work and any work affecting fish or fish habitat outside of the timing window without prior authorization from the appropriate authorities for emergency situations affecting public safety.

10.4 - Contaminant and Spill Management

- (1) Plan activities near water such that materials such as paint, primers, blasting abrasives, rust solvents, degreasers, grout, poured concrete, or other chemicals do not enter the watercourse. All activities should be controlled to prevent the entry of petroleum products, debris, rubble, concrete or other deleterious substances into the water.
- (2) Develop a response plan that is to be implemented immediately in the event of a sediment release or spill of a deleterious substance and keep an emergency spill kit on site.
- (3) Ensure that building material used in a watercourse has been handled and treated in a manner to prevent the release or leaching of substances into the water that may be deleterious to fish.

10.5 - Erosion and Sediment Control

- (1) Develop and implement an 'Erosion and Sediment Control Plan' for the site that minimizes risk of sedimentation of the water body during all phases of the project. Erosion and sediment control measures should be maintained until all disturbed ground has been permanently stabilized, suspended sediment has resettled to the bed of the water body or settling basin, and runoff water is clear. The plan should, where applicable, include:
 - Installation of effective erosion and sediment control measures before starting work to prevent sediment from entering the water body.
 - Measures for managing water flowing into the site, as well as, water being pumped/diverted from the site such that sediment is filtered out prior to the water entering a water body. For example, pumping/diversion of water to a vegetation area, construction of a settling basin or other filtration system.
 - Site isolation measures (e.g., silt boom or silt curtain) for containing suspended sediment where in-water work is required (e.g., dredging, culvert work). To prevent sediment entry into the Drain, in the event of an unexpected rainfall, silt barriers and/or traps must be placed in the channel during the works and until the site has been stabilized. All sediment and erosion control measures are to be in accordance with related Ontario Provincial Standards. It is incumbent on the proponent and his/her contractors to ensure that sediment and erosion control measures are functioning properly and are maintained/upgraded as required.

- Measures for containing and stabilizing waste material (e.g., dredging spoils, construction waste and materials, uprooted or cut aquatic plants, accumulated debris) above the high water mark of nearby water bodies to prevent re-entry.
- Regular inspection and maintenance of erosion and sediment control measures and structures during the course of construction. Repairs to erosion and sediment control measures and structures if damage occurs. Sediment in the barriers/traps must be removed and stabilized on land to prevent entry of sediment into the water. Removal of non-biodegradable erosion and sediment control materials once the site is stabilized.

10.6 - Fish Protection

- (1) Ensure that all in-water activities, or associated in-water structures, do not interfere with fish passage, constrict the channel width, or reduce flows.
- (2) Retain a qualified professional to ensure applicable permits for relocating fish are obtained and to capture any fish trapped within an isolated/enclosed area at the work site and safely relocate them to an appropriate location in the same waters. Fish may need to be relocated again, should flooding occur on the site.
- (3) Screen any water intakes or outlet pipes to prevent entrainment or impingement of fish. Entrainment occurs when a fish is drawn into a water intake and cannot escape. Impingement occurs when an entrapped fish is held in contact with the intake screen and is unable to free itself.
- (4) Avoid using explosives in or near water. Use of explosives in or near water produces shock waves that can damage a fish's swim bladder and rupture internal organs. Blasting vibrations may also kill or damage fish eggs or larvae.

10.7 - Operation of Machinery

- (1) Ensure that machinery arrives on site in a clean condition and is maintained free of fluid leaks, invasive species, and noxious weeds. Wash, refuel, and service machinery and store fuel and other materials for the machinery in such a way as to prevent any deleterious substances from entering the water.
- (2) Whenever possible operate machinery on land above the high water mark, on ice, or from a floating barge in a manner that minimizes disturbance to the banks and bed of the water body.
- (3) To cross a municipal drain or watercourse, use the existing crossing structures within the designated working corridors or construct temporary crossing structures approved by the Engineer. Fording will not be permitted unless approved by the Engineer and carried out by the Contractor according to the requirements determined by the Engineer.

10.8 - Culvert Work

- (1) It is important to apply the relevant mitigation measures outlined above, to ensure that no deleterious materials reach fish habitat and that there are no detrimental impacts to physical fish habitat.
- (2) Existing culverts may be repaired, replaced, and removed, and debris may be removed from them, without contacting DFO. Important things to consider are:
 - the timing window, which will be July 15 to March 15 for almost 100% of projects;
 - that fish passage must not be obstructed;
 - that the channel cannot be realigned;
 - that culverts are designed for a minimum embedment of 10% below grade;
 - that new material placed below the high water mark must be properly stabilized and protected from erosion;
 - that the channel must not be narrowed; and
 - that work must be done when there is no flowing water.
- (3) It is best to time work when stream flows are at a minimum, but contingency measures should be in place in the event that a heavy rain occurs. Cofferdams or other features should be used above the area of construction and water above it should be pumped into the stream channel downstream of the construction. If the initial dewatering strands fish, they should be captured and placed downstream in the wetted area. It may be necessary to get a permit from MNRF to move the fish.

SECTION 11 - ENDANGERED SPECIES ACT

- (1) All work must comply with the current version of the Ontario Endangered Species Act, 2007, S.O. 2007, c.6; O. Reg. 230/08: (Species at Risk in Ontario); and O. Reg. 242/08: (General).
- (2) The Municipality shall obtain the most current Endangered Species information available from MNRF and other sources. A designated persons employed by the Municipality will be responsible for reviewing habitat maps to determine if registration of prescribed activities or full review and approval by MNRF and other agencies is required.
- (3) Prior to the start of any construction activities, the Contractor shall meet with the Municipal Designate to obtain a copy of specific mitigation procedures for dealing with endangered species should they be encountered anytime during construction.

RC SPENCER ASSOCIATES INC.
Windsor, Leamington & Chatham, Ontario

APPENDIX 'C'

RECORD OF ON-SITE MEETINGS

4th Concession Drain – Town of LaSalle

Summary of On-Site Meeting held on November 5, 2018 Council Chambers – Town of LaSalle Civic Complex

Notes by D. McCready, RC SPENCER ASSOCIATES INC.

COMMENTS AND CONCERNS FROM LANDOWNERS

1. Owner of 8375 Broderick Road has asked that the Engineer visit his property to examine his property. He and others in his neighbourhood have flooding problems. See Item No. 2.

2. Flooding Concerns Expressed by Five Property Owners

8455 Broderick Road (Farm property)

8375 Broderick Road (Farm property)

8160 Broderick Road (Residential Property)

8150 Broderick Road (Residential Property)

Town of LaSalle - in Lot 6, Concession 3 with access from Disputed Road and Broderick Road

All of these properties have low areas that are prone to flooding. They have no direct access to the Fourth Concession Drain or any other Municipal Drain for drainage purposes. The owner of 8455 Broderick Road has a 150 mm deep ditch along his property that is inadequate for drainage of his property.

Our Comments Concerning This Area Requiring Drainage

These property owners would like the Engineer to examine their flooding issues. It appears to me that these property owners may require a new drain constructed that relieves the flooding. That branch drain could outlet into the Fourth Concession Drain but we have no authority to recommend a new drainage works without a petition under Section 4 of the Drainage Act. Another alternative might be to construct a mutual agreement drain under the provisions of the Drainage Act. There are both pros and cons to this alternative that we could discuss at a site meeting if directed to do so by the Municipality.

If the owners prefer to have a drain constructed under Section 4, a petition would be required under Section 4 of the Drainage Act. Normally, one of the landowners circulates the petition to the other interested parties for signature and the Drainage Superintendent can assist them in the process. Certainly, we can discuss the process with the Drainage Superintendent and assist in preparing the description of the area requiring drainage and in describing the properties in terms of metes and bounds, to ensure that the requirements for a proper petition are met. Where a property is owned by more than one person, they must all sign for that property unless one person has signing authority for a corporation, etc. We can certainly provide guidance in

these matters. We cannot spearhead the circulation of a petition or solicit signatures from the property owners as we must remain impartial in the process.

Once a petition has been filed with the Municipality, Council has the authority to appoint an Engineer to that project. Council can appoint any Engineer. If Council chose to appoint RC Spencer Associates Inc., we would be please to be involved with that project. Council could choose to have a separate report for the new branch drain or include that new drainage works as part of the report for the Fourth Concession Drain.

3. 8555 Broderick Road & 8525 Broderick Road

The owner of this property indicated that the Sandwich West Act allowed the municipality to carry out work on Municipal Drain and pay for the work out of the General Funds of the Municipality. He has never had to pay for the Municipal Drain in the past. If he has to pay for the drain now then he should not have to pay Benefit as it is a negative Benefit to him. He also said that the drain does not need to be improved as people have flood insurance and crop insurance. Why have insurance if you do not use it.

4. 9055 Broderick Road

The owner of this property says that he is not complaining about his drainage but indicated that an area shown in the watershed of the Fourth Concession Drain near Disputed Road in Lot 8, Concessions 3 and 4 has some of its water overflowing to the south and west, out of the watershed of the Fourth Concession Drain.

There are two access culverts in the roadside ditch on the west side of Broderick Road that are located north of his property in Lot 8. The owner indicated that they are too high and the flows in the roadside ditch cannot effectively drain north to the Fourth Concession Drain and some of the water runs overland in a westerly direction along a small ditch along the 7-8 Lot Line then southerly along Disputed Road. The flows cross Townline Road and run westerly past the Villanova High School and outlets into the River Canard. In effect, some but not all of the run-off from Lot 8 leaves the watershed of the Fourth Concession Drain by crossing Townline Road near Disputed Road.

5. Several people asked if the drain would be designed to recognize climate change effects and future development. I said that these are important factors that we need to consider when developing a design standard.
6. Several residents were concerned about how much future development might happen in the Town of Tecumseh. They should pay for the extra drain capacity needed to handle their future needs.
7. One owner expressed his observation that there is erosion happening to the west bank of the drain along Disputed Road, both north and south of Kelly Road.
8. Sam Paglia, Drainage Superintendent for the Town of Tecumseh indicated that the Town of Tecumseh will be asking the Town of LaSalle to include the Holden Outlet Drain as part of their

report for the Fourth Concession Drain. Holden Outlet Drain to be surveyed and repaired and improved as required. A new maintenance schedule is also required for the Holden Outlet Drain. The Town of Tecumseh is asking we recommend that the Holden Outlet Drain be officially renamed to be a part of the Fourth Concession Drain in the future.

9. Two roundabouts are planned in the Town of Tecumseh for South Talbot Road. We should show them on our plans and assess the roads accordingly if these roundabouts will be constructed.
10. One resident questioned whether the Fourth Concession Drain is already deeper than the River Canard. Can the River Canard be deepened if needed? Is the River Canard a Municipal Drain? I indicated that the River Canard is most likely a natural watercourse governed by civil law or common law. It is our duty to either take the work to a sufficient outlet or pay the injured landowners an allowance for insufficient outlet. We can extend the drainage work downstream along River Canard if needed. It may be determined that the Detroit River water level controls the outlet and not the elevation of the bottom of the River Canard channel.
11. One property owner said that the process being followed is not legal as the Drainage Act requires a petition by the majority of the owners or 60% of the watershed is needed. I indicated that this is only for new drains under Section 4 and that we are acting under Section 78 for the repair and improvement of the drain. Under Section 78, Council has the authority to have certain types of improvements made to the drain that they believe are appropriate for the better use, maintenance and repair of the drain. Council can instruct an Engineer to prepare a report for the repair and improvement of an existing drain and no petition or even a request from a landowner is needed under Section 78.

ACTION ITEMS FOR DRAINAGE SUPERINTENDENT AND ENGINEER

- a) See Item No. 2 concerning a site visit with the landowners listed in the Flood Area and the possible need for a Petition under Section 4 of the Drainage Act. Once the Comment forms have been received, Jonathan Osborne, Drainage Superintendent can set up appointments with owners listed under Item No. 2 and any other owners that are requesting a site visit with the engineer from RC Spencer Associates.
- b) Item No. 4 outlines a concern about the Outlet assessments that may be imposed in Lot 8 if some of the run-off is leaving the watershed and does not reach the Fourth Concession Drain. We should investigate the two high culverts mentioned by the property owner and examine the area to determine if a reduction in the outlet assessments made in this area are warranted. Perhaps the Road Authority could lower the two access culverts and reduce the amount of water that is diverted to the west and out of the watershed.

APPENDIX 'D'

CORRESPONDENCE



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Ontario and Prairie Region
Fish and Fish Habitat Protection Program
867 Lakeshore Rd.
Burlington, ON
L7S 1A1

Région de l'Ontario et des Prairies
Programme de protection du poisson et de son habitat
867 chemin Lakeshore
Burlington, ON
L7S 1A1

December 22, 2020

Our file Notre référence

20-HCAA-01036

RC Spencer Associates
Attention: Shane Lafontaine
800 University Avenue West,
Windsor, Ontario
N9A 5R9

Subject: 4th Concession Drainage Works, Canard River, LaSalle – Implementation of Measures to Avoid and Mitigate the Potential for Prohibited Effects to Fish and Fish Habitat, and Prohibited Effects on Listed Aquatic Species at Risk

Dear Mr. Lafontaine:

The Fish and Fish Habitat Protection Program (the Program) of Fisheries and Oceans Canada (DFO) received your proposal on May 19, 2020. We understand that you propose to:

- Complete channel deepening and regrading along 4900 linear metres (upstream of Disputed Road).
- Regrade one bank of the channel to a 2:1 slope, except in residential areas where both banks will be regraded.
- Limit the work zone to the East side of Disputed Road.
- Replace multiple culverts within the proposed work zone.

We understand the following aquatic species listed under the *Species at Risk Act* may use the area in the vicinity of where your proposal is to be located:

- Pugnose Minnow listed as Threatened
- Pugnose Shiner listed as Threatened
- Silver Lamprey listed as Special Concern
- Spotted Sucker listed as Special Concern

Our review considered the following information:

- Request for Review and supporting documents received on May 19, 2020
- Telephone conversation between Luke Ridgway (DFO) and Shane Lafontaine on November 26, 2020

Your proposal has been reviewed to determine whether it is likely to result in:

- the death of fish by means other than fishing and the harmful alteration, disruption or destruction of fish habitat which are prohibited under subsections 34.4(1) and 35(1) of the *Fisheries Act*;

- effects to listed aquatic species at risk, any part of their critical habitat or the residences of their individuals in a manner which is prohibited under sections 32, 33 and subsection 58(1) of the Species at Risk Act;

The aforementioned impacts are prohibited unless authorized under their respective legislation and regulations.

To avoid and mitigate the potential for prohibited effects to fish and fish habitat (as listed above), we recommend implementing the measures outlined in your plan, in addition to the following listed below:

- Conduct work outside the spring and fall timing windows (i.e. no in-water work between September 15 to July 15), except when work can be completed in the dry.
- Conduct work in the dry.
- Leave vegetation undisturbed on one bank except in residential areas.
- Reseed and/or replant any disturbed banks caused by the construction activities with suitable native species.
- Install a sediment trap near the downstream extent of the work zone.
- Install appropriate sediment erosion controls downstream of construction activities (e.g. silt curtain, straw-bale check dam, rock check dam etc.).
- New or replaced culvert crossings should be able to maintain 50% fish passage for average sized Northern pike during a 2-year flood event. Maximum culvert velocities and swim distances can be calculated using the tool at:
<http://www.fishprotectiontools.ca/distancevelocity.html>

Provided that you incorporate these measures into your plans, the Program is of the view that your proposal will not require an authorization under the *Fisheries Act* or the *Species at Risk Act*.

Should your plans change or if you have omitted some information in your proposal, further review by the Program may be required. Consult our website (<http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html>) or consult with a qualified environmental consultant to determine if further review may be necessary. It remains your responsibility to remain in compliance with the *Fisheries Act*, and to avoid prohibited effects on listed aquatic species at risk, any part of their critical habitat or the residences of their individuals.

It is also your *Duty to Notify* DFO if you have caused, or are about to cause, the death of fish by means other than fishing and/or the harmful alteration, disruption or destruction of fish habitat. Such notifications should be directed to (<http://www.dfo-mpo.gc.ca/pnw-ppe/CONTACT-eng.html>).

Please notify this office at least 10 days before starting your project. A copy of this letter should be kept on site while the work is in progress. It remains your responsibility to meet all other federal, territorial, provincial and municipal requirements that apply to your proposal.

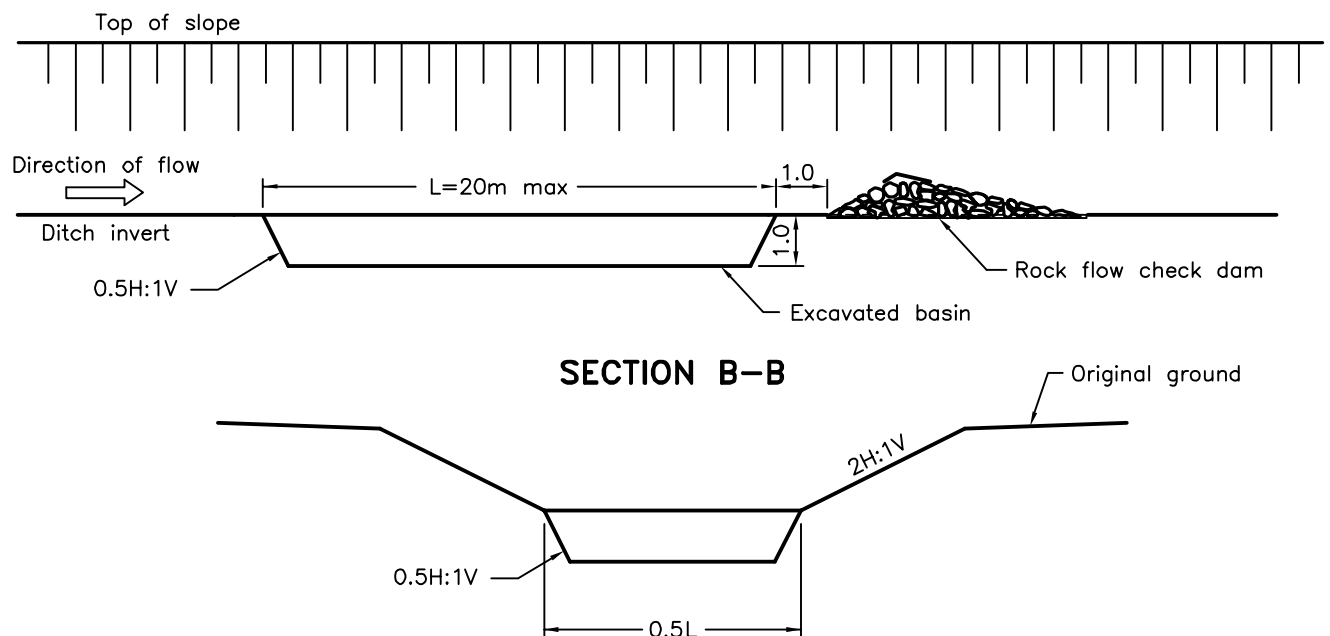
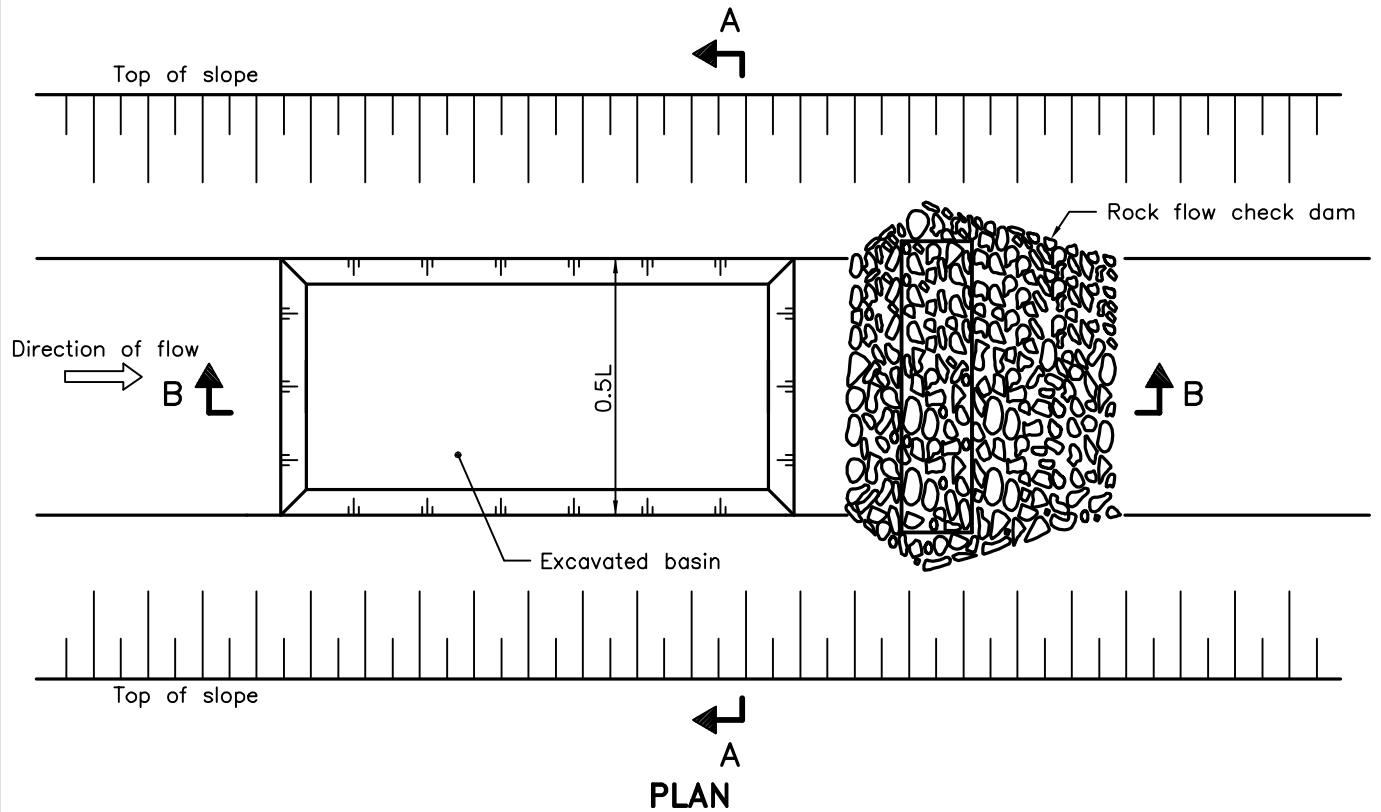
If you have any questions with the content of this letter, please contact Luke Ridgway at 289-440-2387 or by email at Luke.Ridgway@dfo-mpo.gc.ca. Please refer to the file number referenced above when corresponding with the Program.

Yours sincerely,



Maja Cvetkovic
A/Senior Biologist

Copy:
Luke Ridgway – DFO
Jonathan Osborne – Town of LaSalle



NOTES:

A Ditch cross-section upstream or downstream of sediment trap may be flat bottom or V-shaped. Flat bottom shown.

B This OPSD shall be read in conjunction with OPSD 219.210 or 219.211.

C All dimensions are in metres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

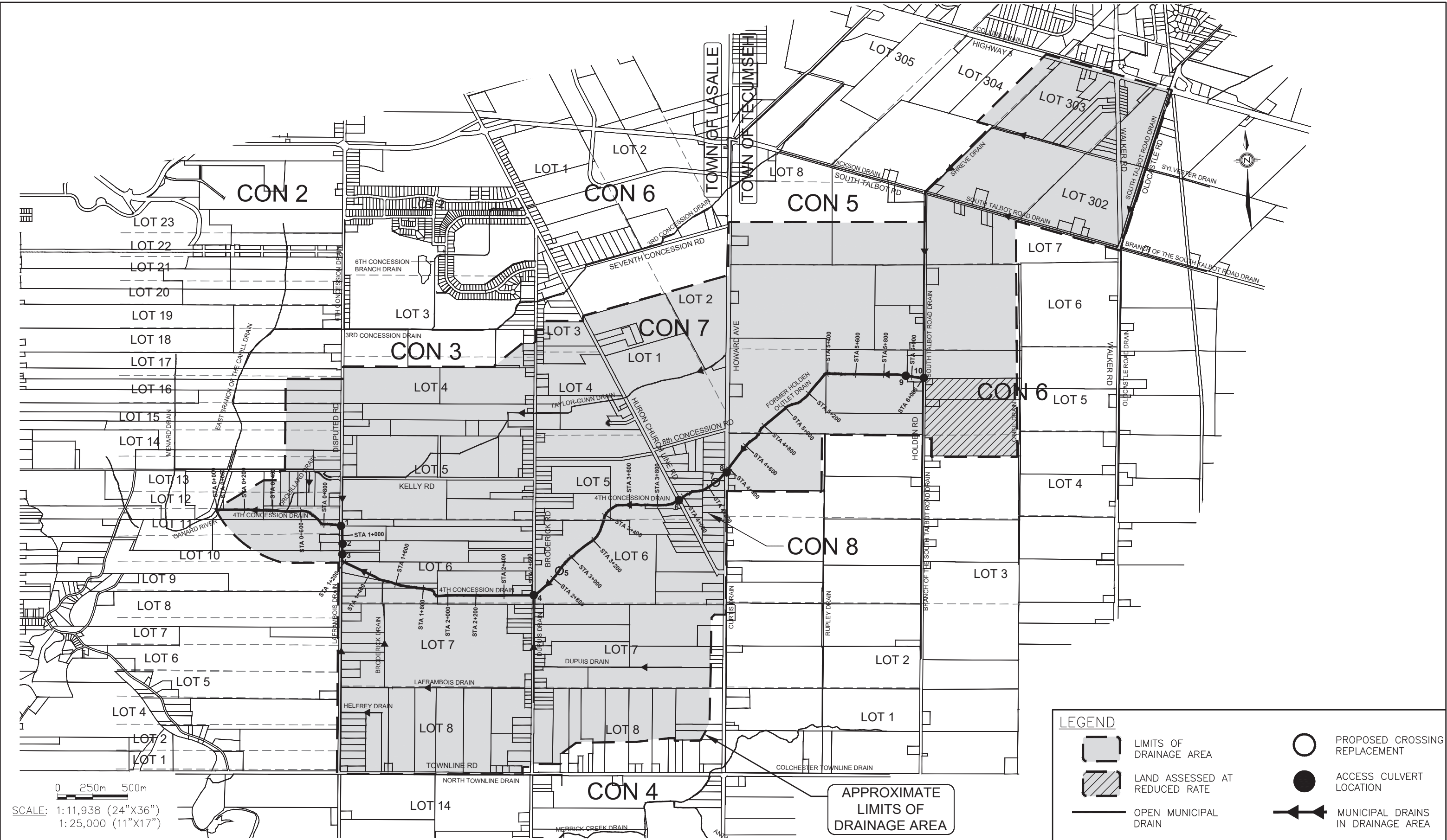
Nov 2015

Rev 2

SEDIMENT TRAP IN DITCH

OPSD 219.220





0 250m 500m
SCALE: 1:11,938 (24"X36")
1:25,000 (11"X17")

LEGEND

LIMITS OF DRAINAGE AREA

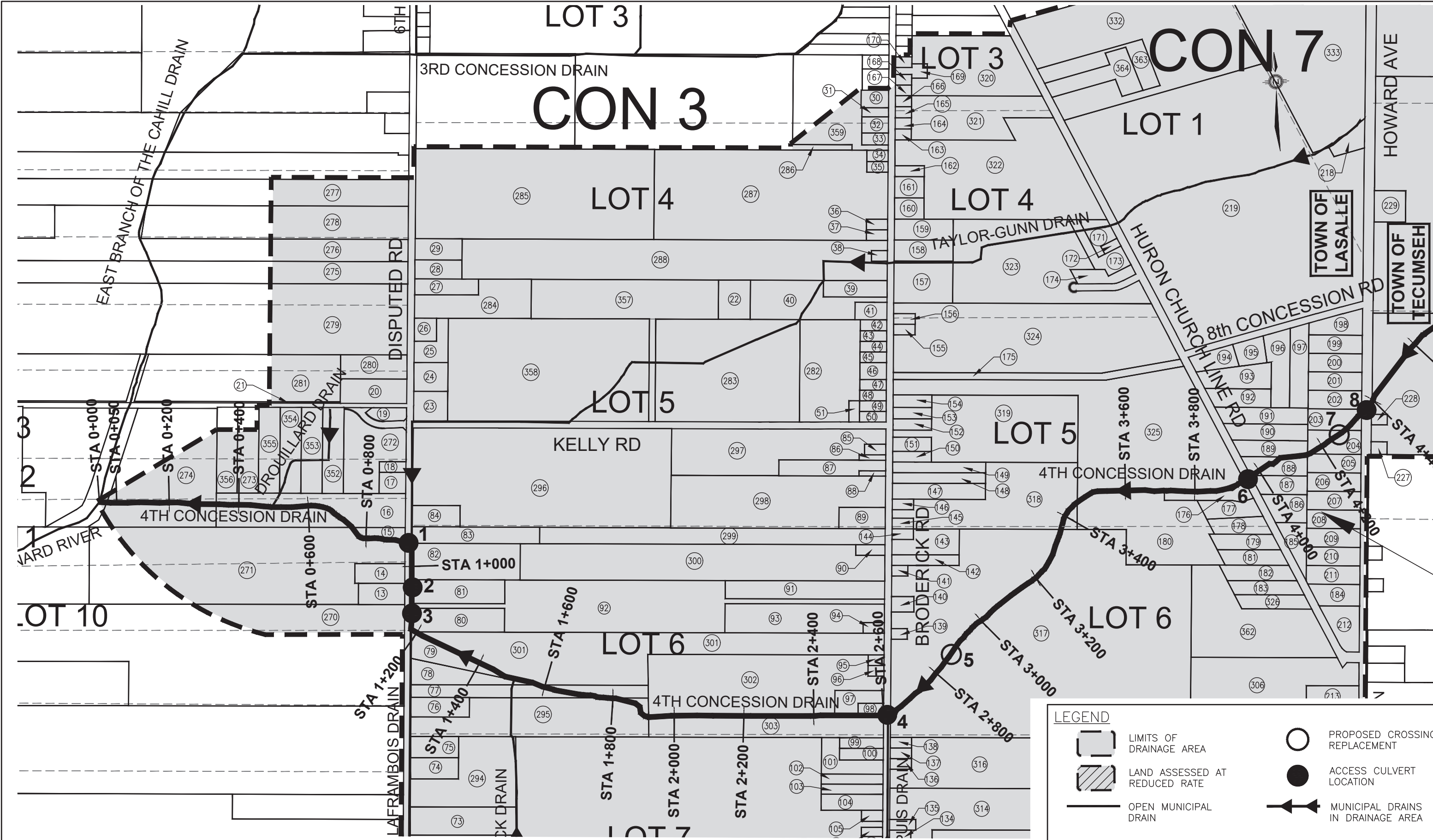
LAND ASSESSED AT REDUCED RATE

OPEN MUNICIPAL DRAIN

PROPOSED CROSSING REPLACEMENT

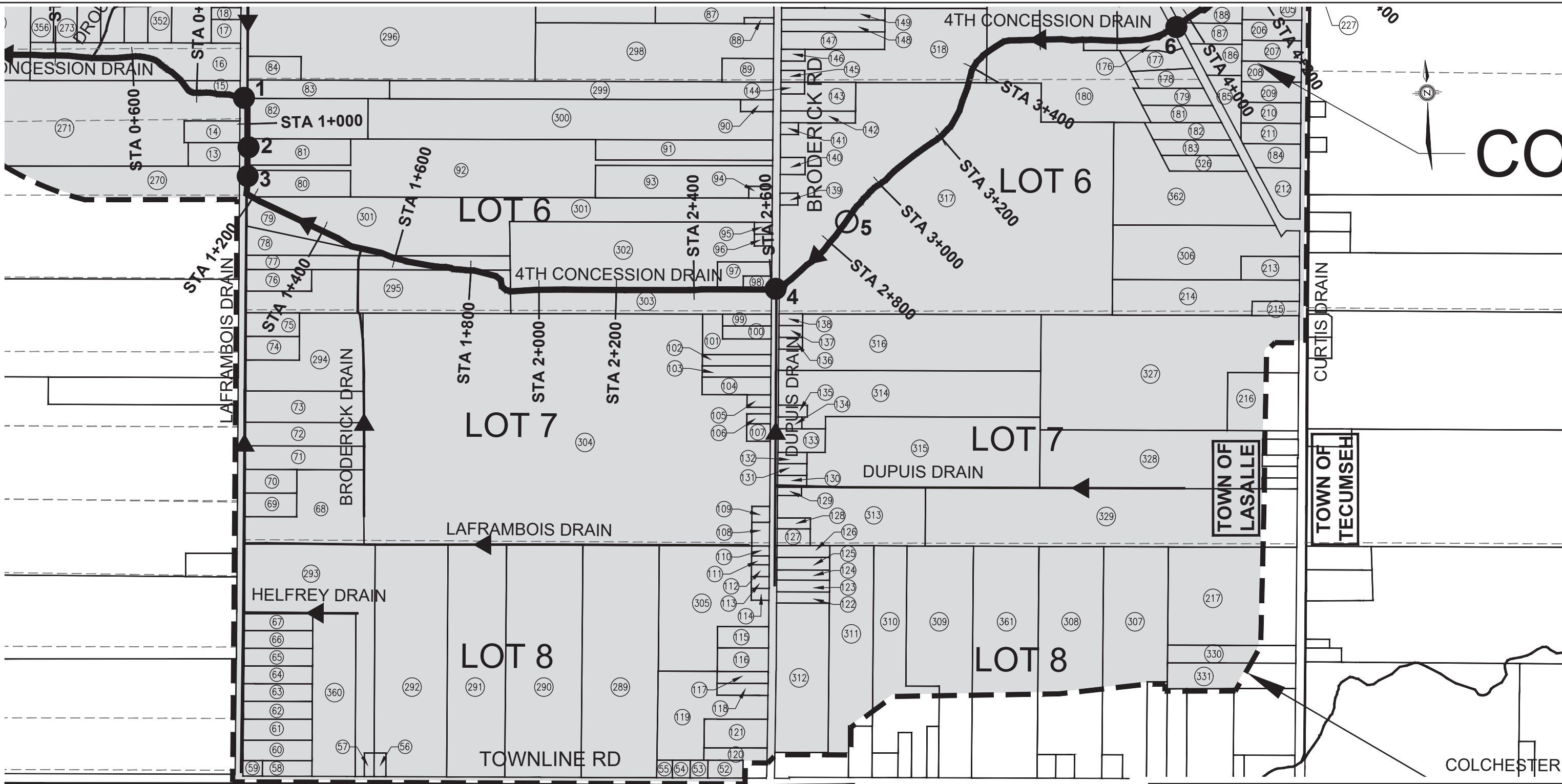
ACCESS CULVERT LOCATION

MUNICIPAL DRAINS IN DRAINAGE AREA



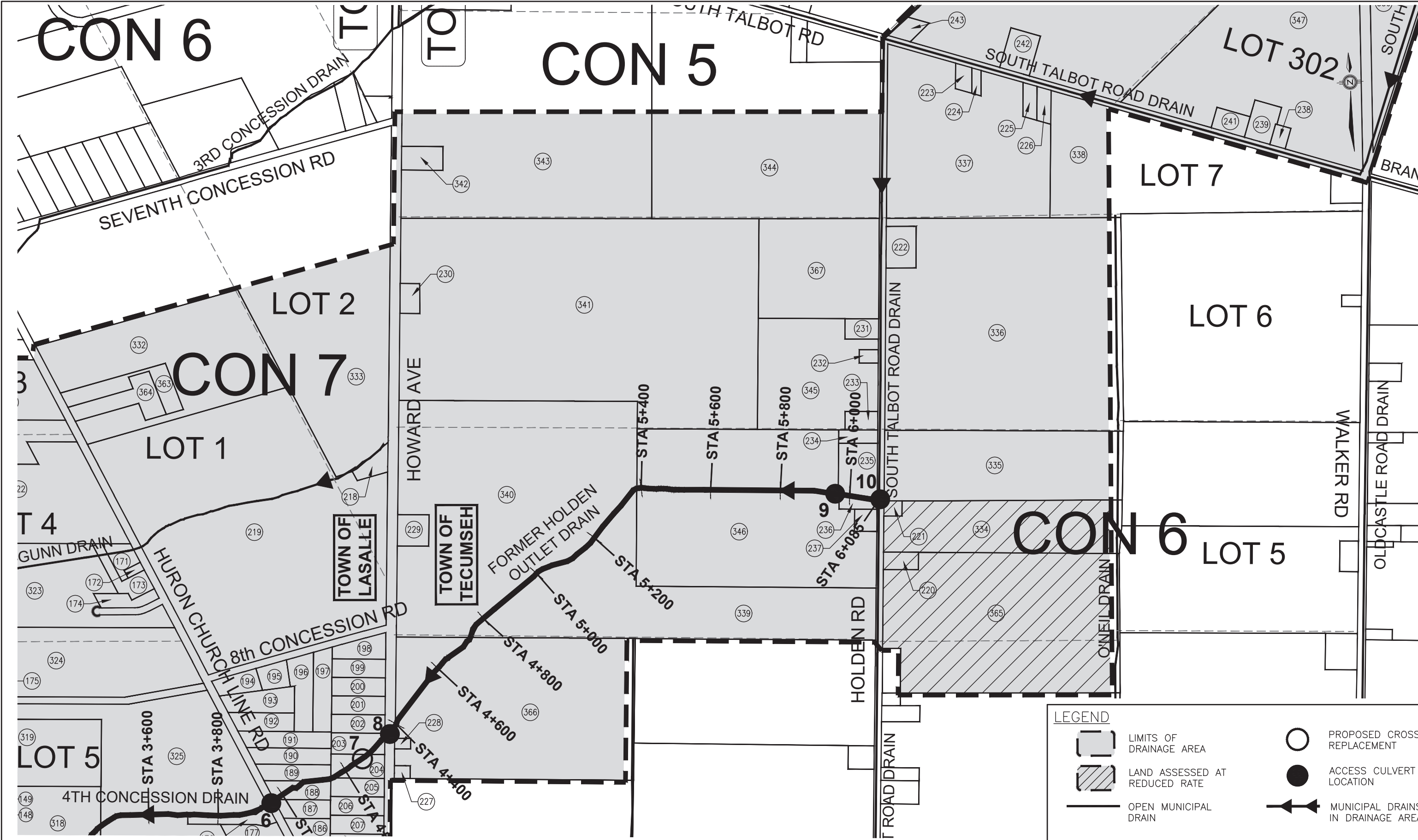
LEGEND

- LIMITS OF DRAINAGE AREA
- LAND ASSESSED AT REDUCED RATE
- OPEN MUNICIPAL DRAIN
- PROPOSED CROSSING REPLACEMENT
- ACCESS CULVERT LOCATION
- MUNICIPAL DRAINS IN DRAINAGE AREA

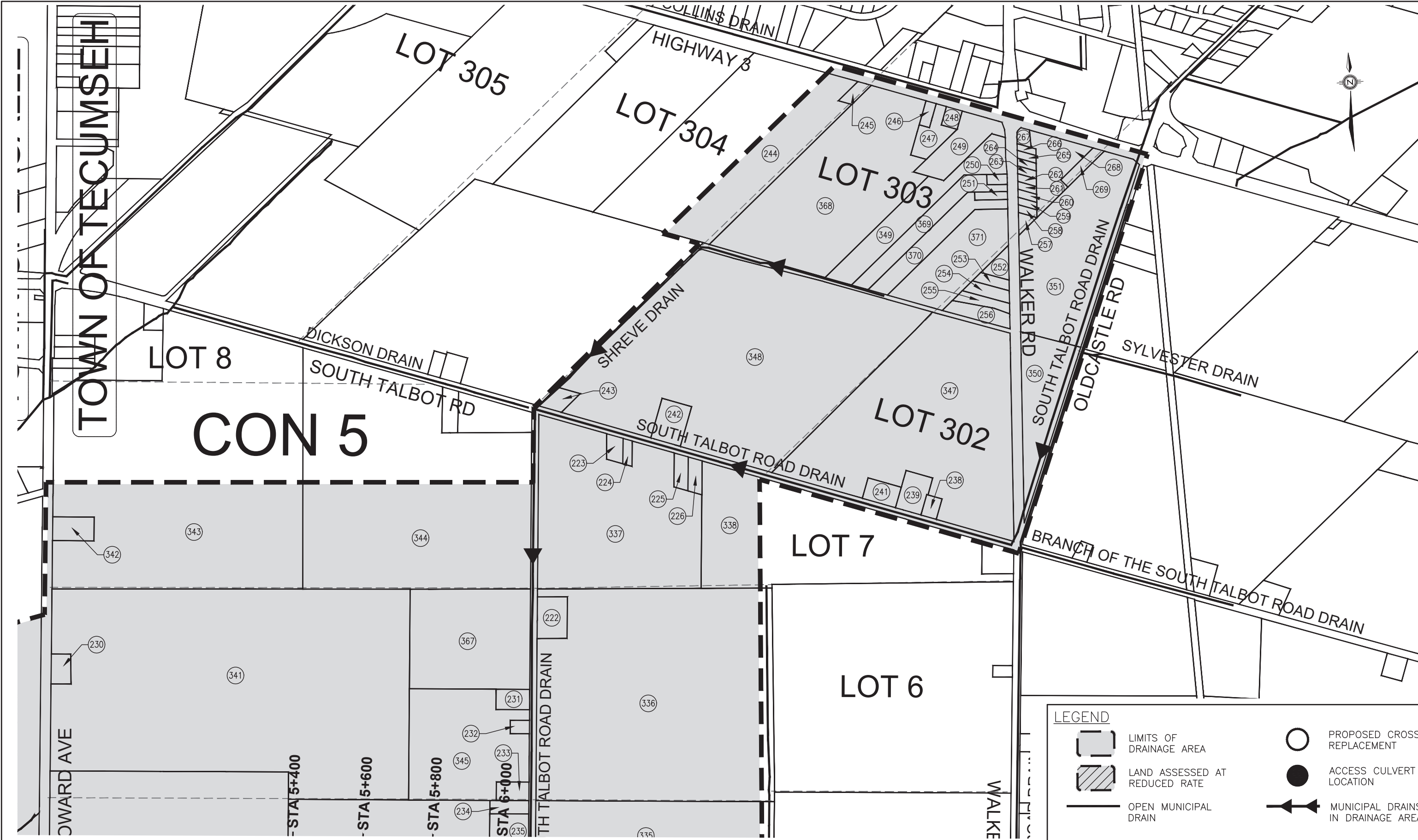


LEGEND

- LIMITS OF DRAINAGE AREA
- LAND ASSESSED AT REDUCED RATE
- OPEN MUNICIPAL DRAIN
- PROPOSED CROSSING REPLACEMENT
- ACCESS CULVERT LOCATION
- MUNICIPAL DRAINS IN DRAINAGE AREA



DESIGN	D.M.	4TH CONCESSION DRAIN IMPROVEMENTS	PROJECT NO.
CHECKED	S.M.L.		18-769
DRAWN	M.M.H.	DRAINAGE AREA PLAN BLOW-UP 3	SHEET NO.
CHECKED	S.M.L.		4
DATE	5 AUG. 2022		OF
SCALE	1:10,000		19



LEGEND

LIMITS OF DRAINAGE AREA

LAND ASSESSED AT REDUCED RATE

OPEN MUNICIPAL DRAIN

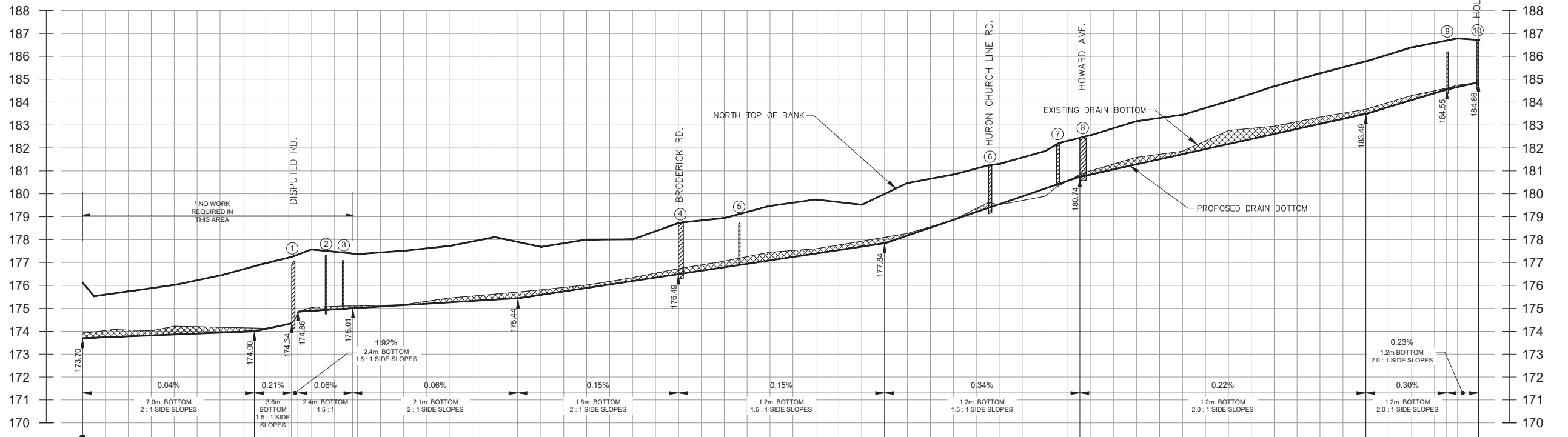
PROPOSED CROSSING REPLACEMENT

ACCESS CULVERT LOCATION

MUNICIPAL DRAINS IN DRAINAGE AREA

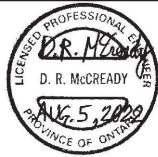
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SOUTH END OF EX. 5.0mX2.54m PRECAST BOX CULVERT (6.6m LONG)
1+066 —
SOUTH END OF EX. STEEL ACCESS BRIDGE (5.9m LONG)
1+140 —
WEST END OF EX. 3.05mX2.44m CONCRETE BOX CULVERT (22.0m LONG)
2+600 —
EAST END OF 1800mm DIA. CSP & 1200mm DIA. CSP (6.3m LONG)
2+869 —
WEST END OF EX. 3.05mX2.13m CONCRETE BOX CULVERT (14.0m LONG)
3+953 —
WEST END OF EX. 1800mm DIA. CSP WITH 2.0mm WALL THICKNESS (12.0m LONG)
4+250 —
WEST END OF EX. 3.05mX1.82m CONCRETE CULVERT (27.5m LONG)
4+352 —
WEST END OF EX. 2.45mX1.83m CONCRETE CULVERT (6.0m LONG)
5+954 —
WEST END OF EX. 2.4mX2.17m CONCRETE CULVERT (7.8m LONG)
6+084 —
UPSTREAM END OF 4th CONC. DRAIN
6+092 —

ELEVATION



ELEVATION

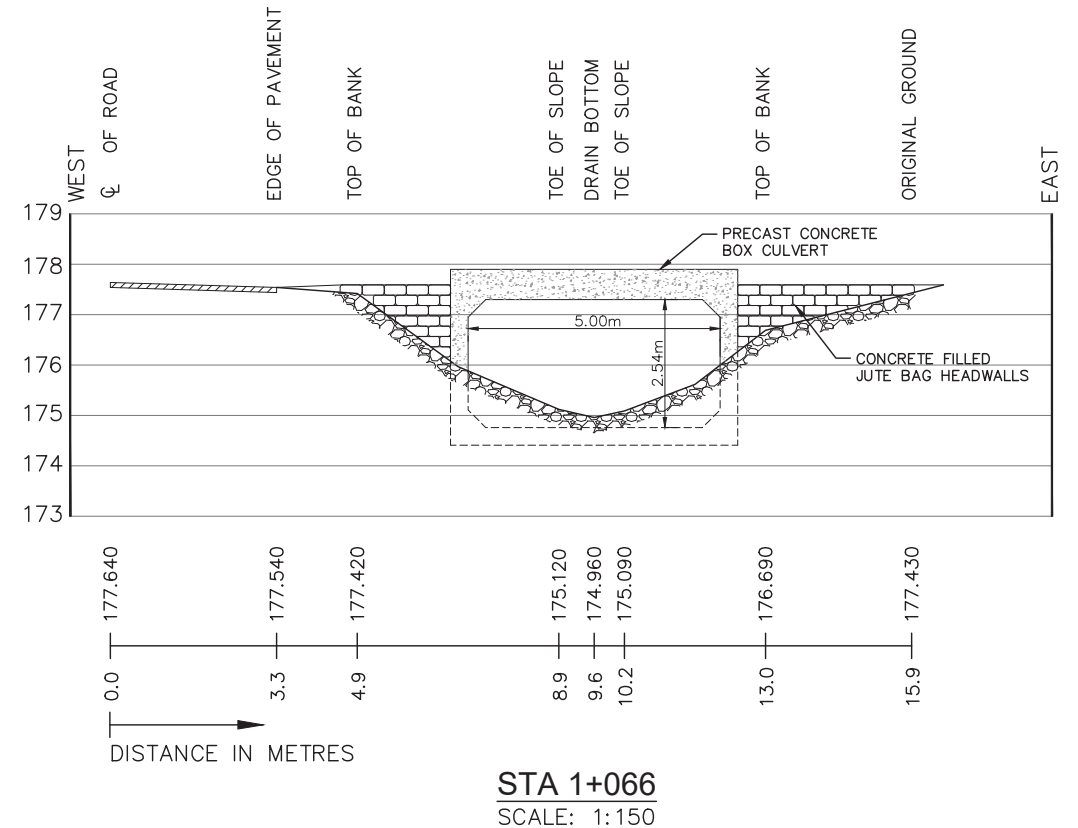
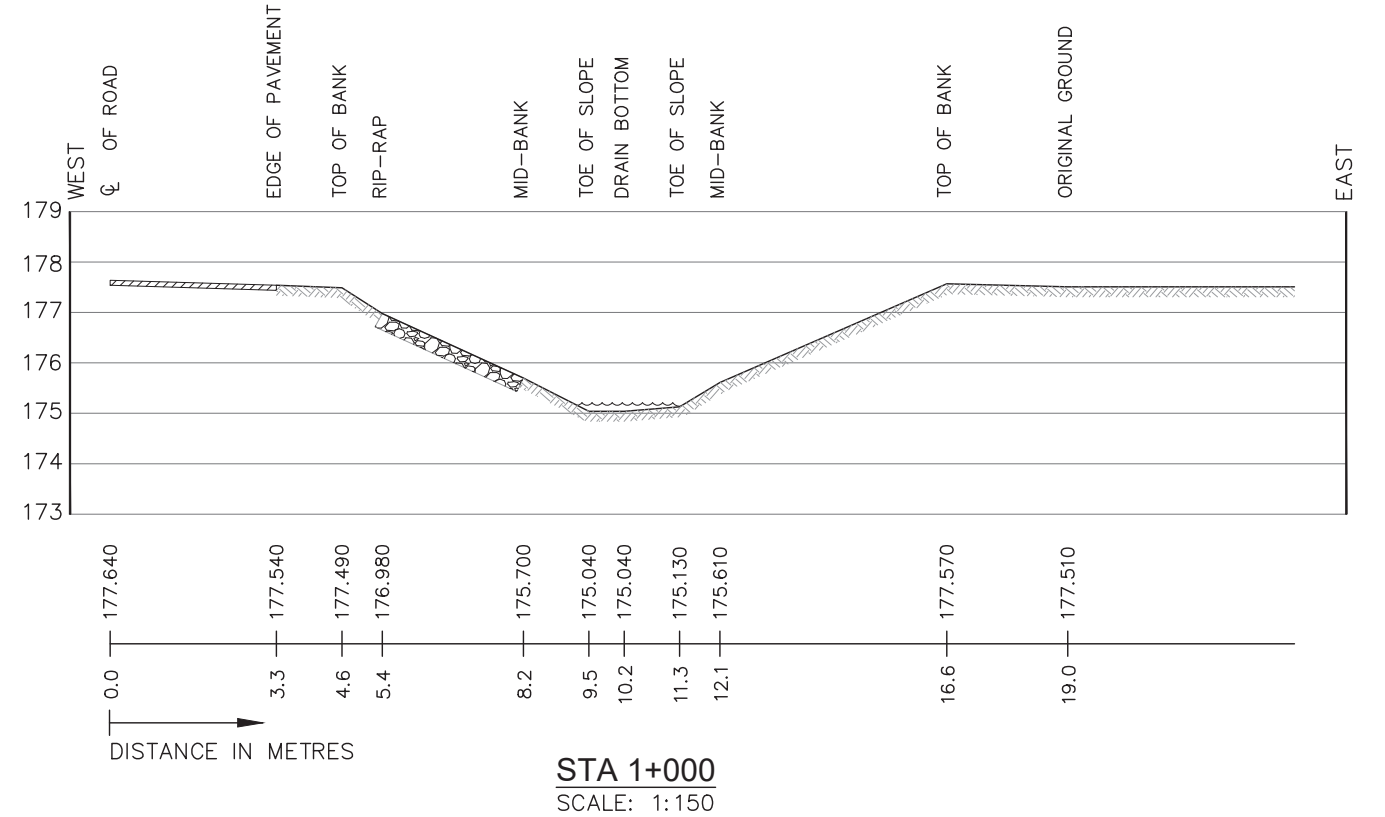
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0+200	175.74	174.05	173.78	0.27
0+400	176.02	174.22	173.86	0.36
0+600	176.43	174.17	173.94	0.23
0+750	176.97	174.13	174.10	0.03
0+913	177.57	175.04	174.90	0.14
1+000	177.37	175.10	175.02	0.08
1+180	177.51	175.16	175.14	0.02
1+400	177.72	175.45	175.26	0.19
1+600	178.11	175.62	175.38	0.24
1+800	177.68	176.02	175.89	0.13
2+000	178.01	176.34	176.19	0.15
2+200	178.57	176.73	176.49	0.24
2+400	178.94	177.06	176.79	0.27
2+600	179.47	177.45	177.09	0.36
2+800	179.75	177.60	177.39	0.21
3+000	179.52	177.93	177.69	0.24
3+200	180.47	178.27	178.18	0.09
3+400	180.94	178.86	178.86	0.00
3+600	181.30	179.52	179.54	0.00
3+800	181.86	179.89	180.22	0.00
4+000	182.56	181.01	180.84	0.17
4+200	183.17	181.59	181.28	0.31
4+400	183.45	181.86	181.72	0.14
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5+200	185.78	183.69	183.49	0.20
5+400	186.39	184.29	184.08	0.21
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6+000				
6+092				



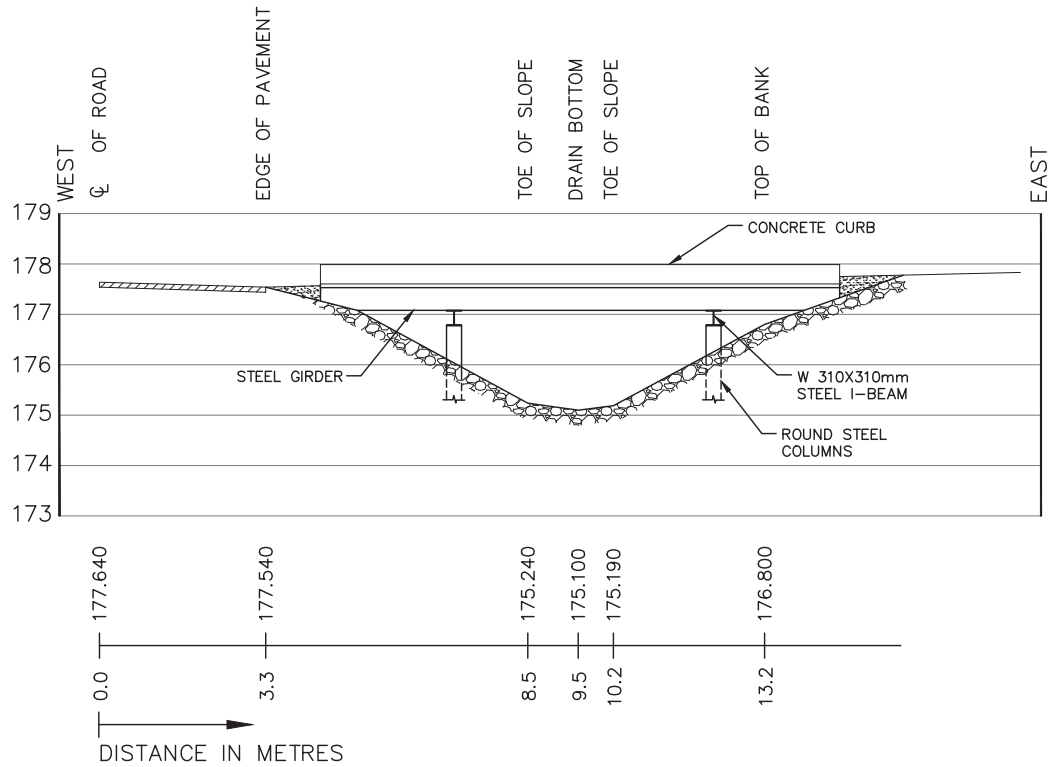
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CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	VERTICAL: 1:200 HORIZONTAL: 1:20,000

4TH CONCESSION DRAIN IMPROVEMENTS
DRAIN PROFILE

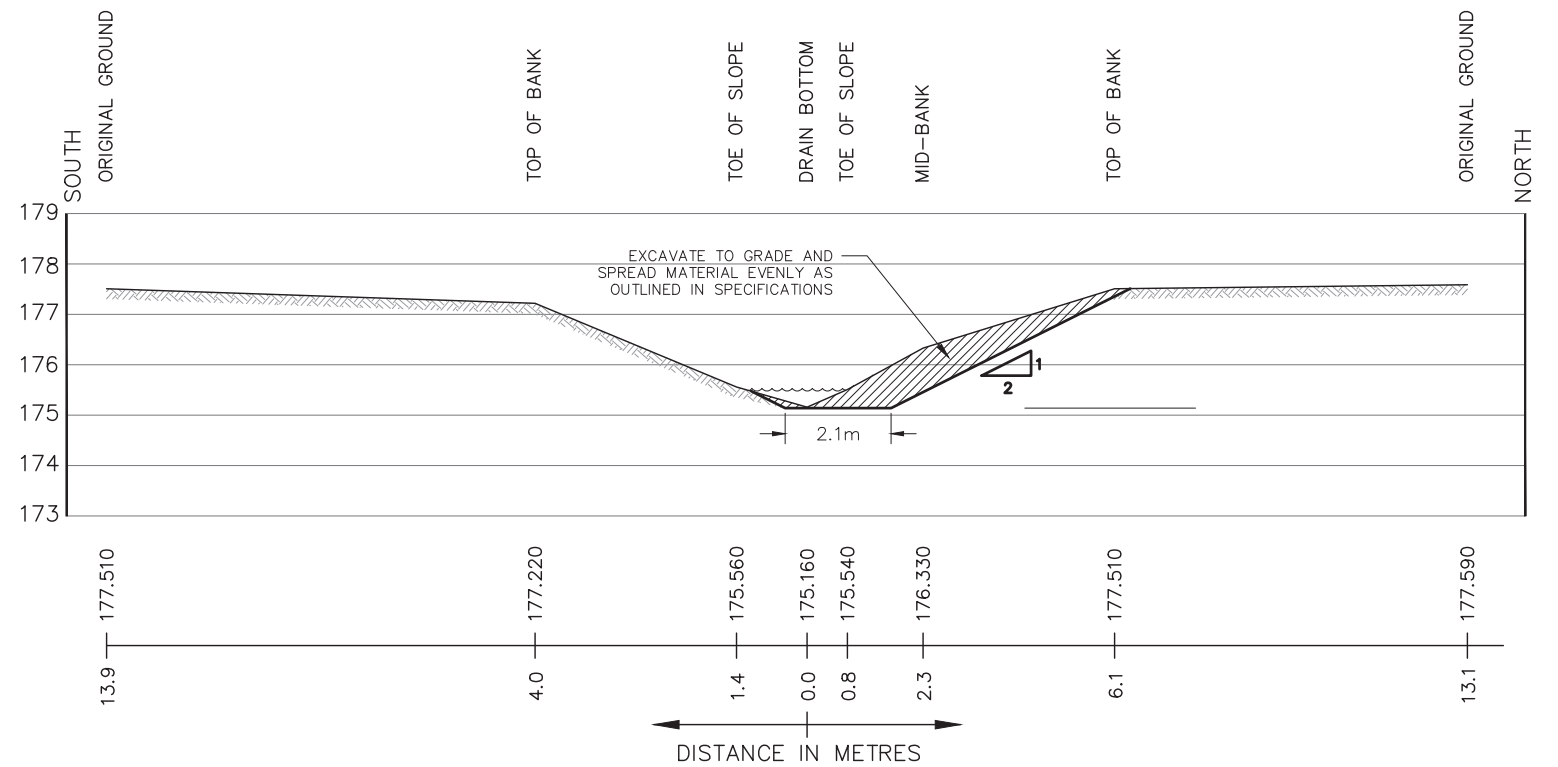
PROJECT NO.	18-769
SHEET NO.	6
OF	19



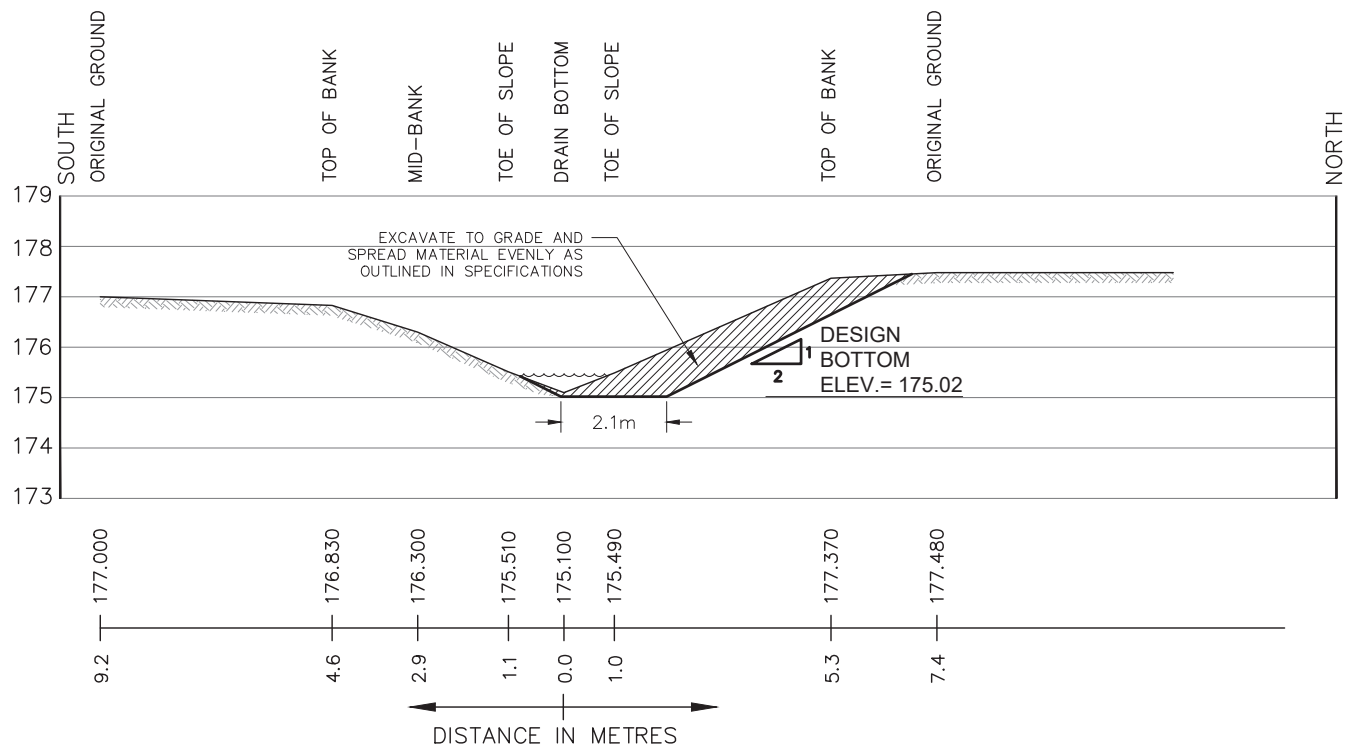
DESIGN	D.M.	4TH CONCESSION DRAIN IMPROVEMENTS	PROJECT NO.	18-769
CHECKED	S.M.L.		SHEET NO.	8
DRAWN	M.M.H.			
CHECKED	S.M.L.			
DATE	5 AUG. 2022			
SCALE	AS SHOWN	CROSS-SECTIONS STATIONS 0+800 TO 1+066	OF	19



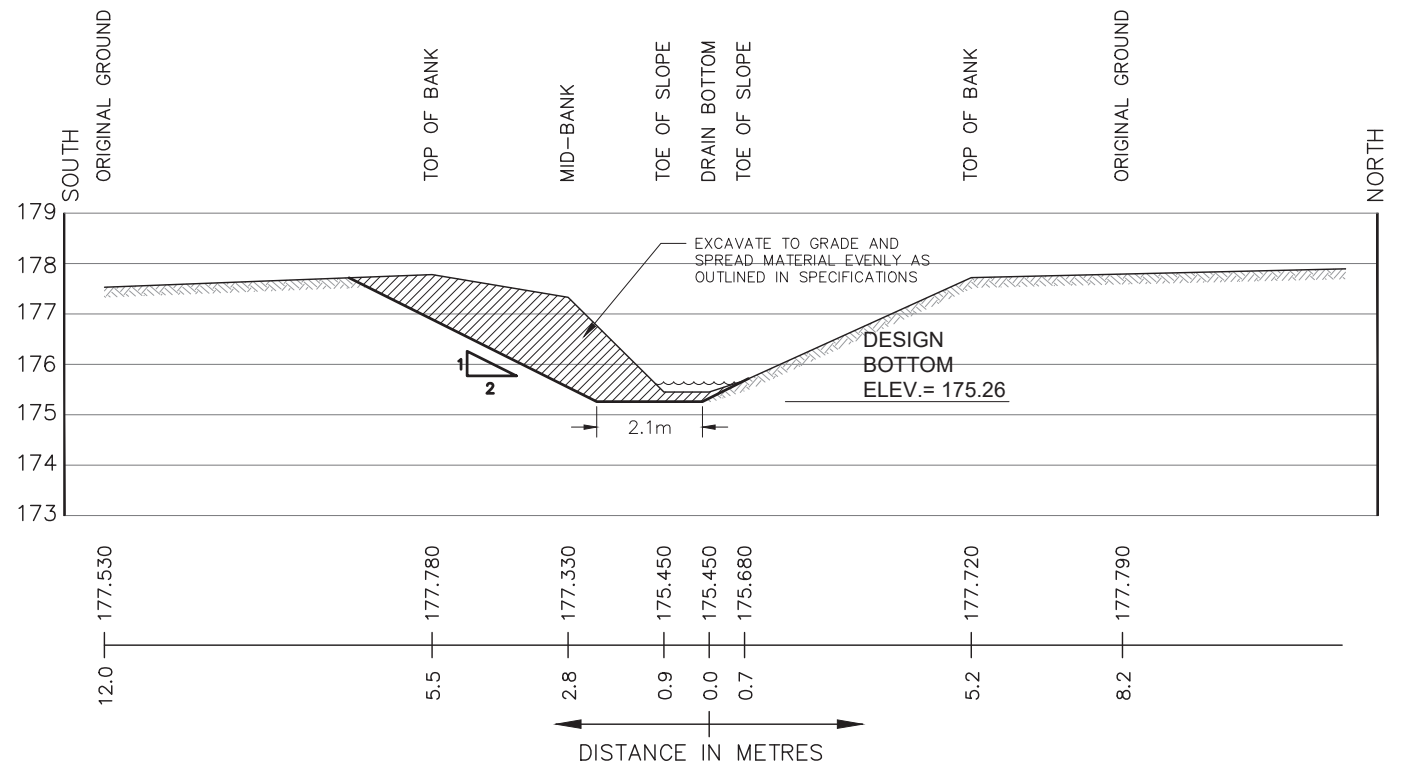
STA 1+140
SCALE: 1:150



STA 1+400
SCALE: 1:150



STA 1+200
SCALE: 1:150



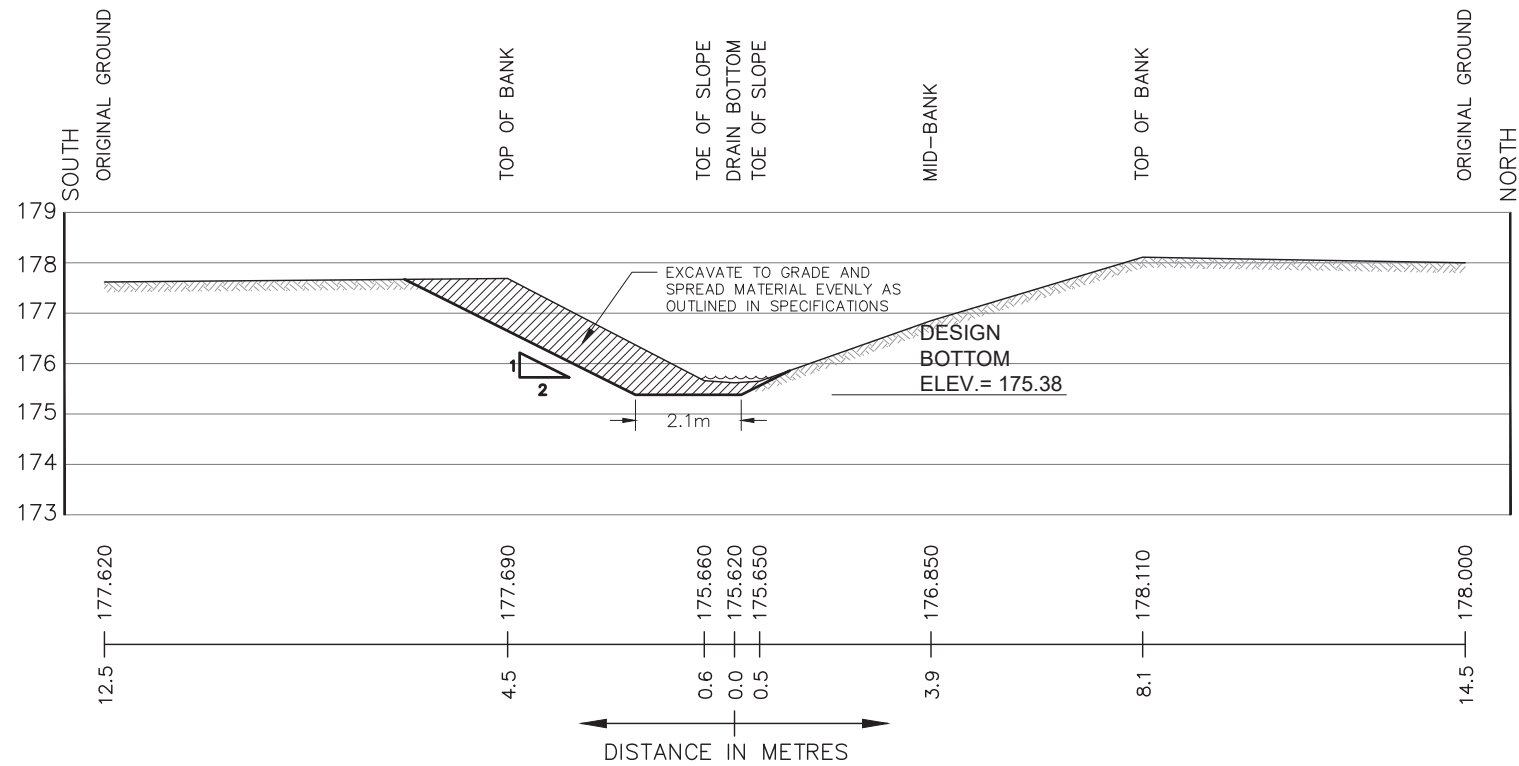
STA 1+600
SCALE: 1:150



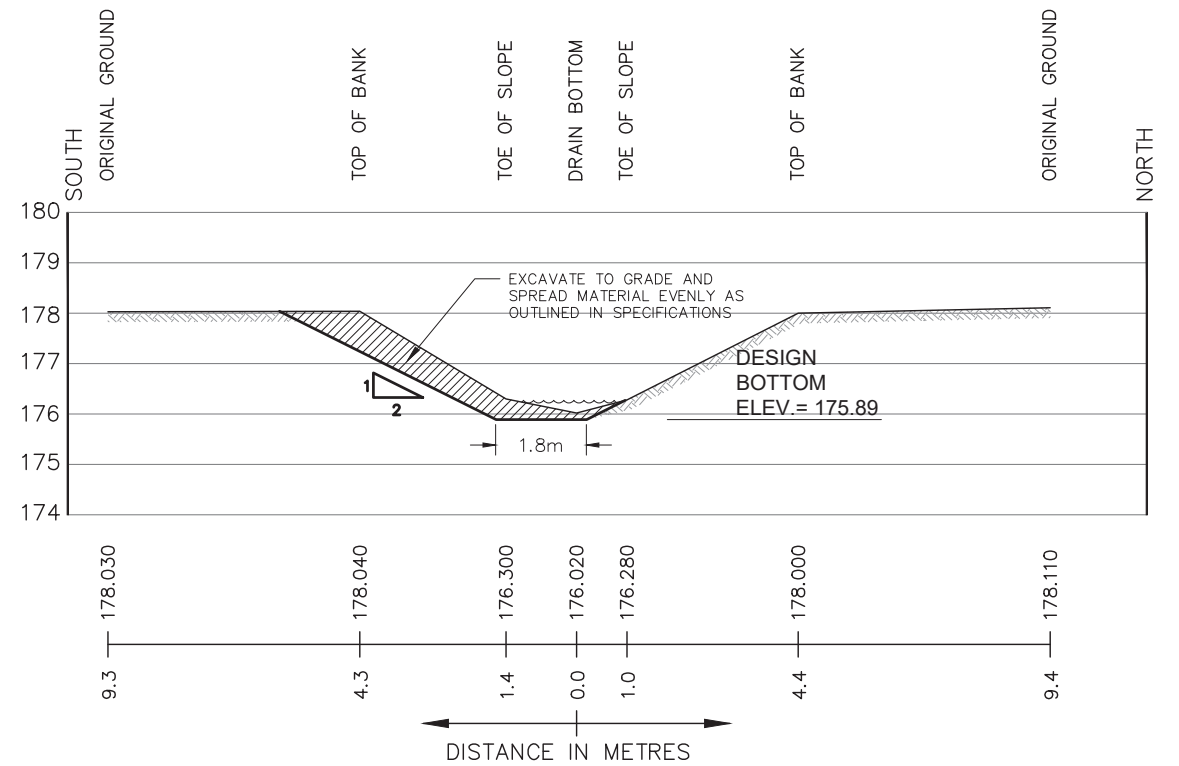
DESIGN	D.M.
CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	AS SHOWN

4TH CONCESSION DRAIN IMPROVEMENTS
CROSS-SECTIONS STATIONS 1+140 TO 1+600

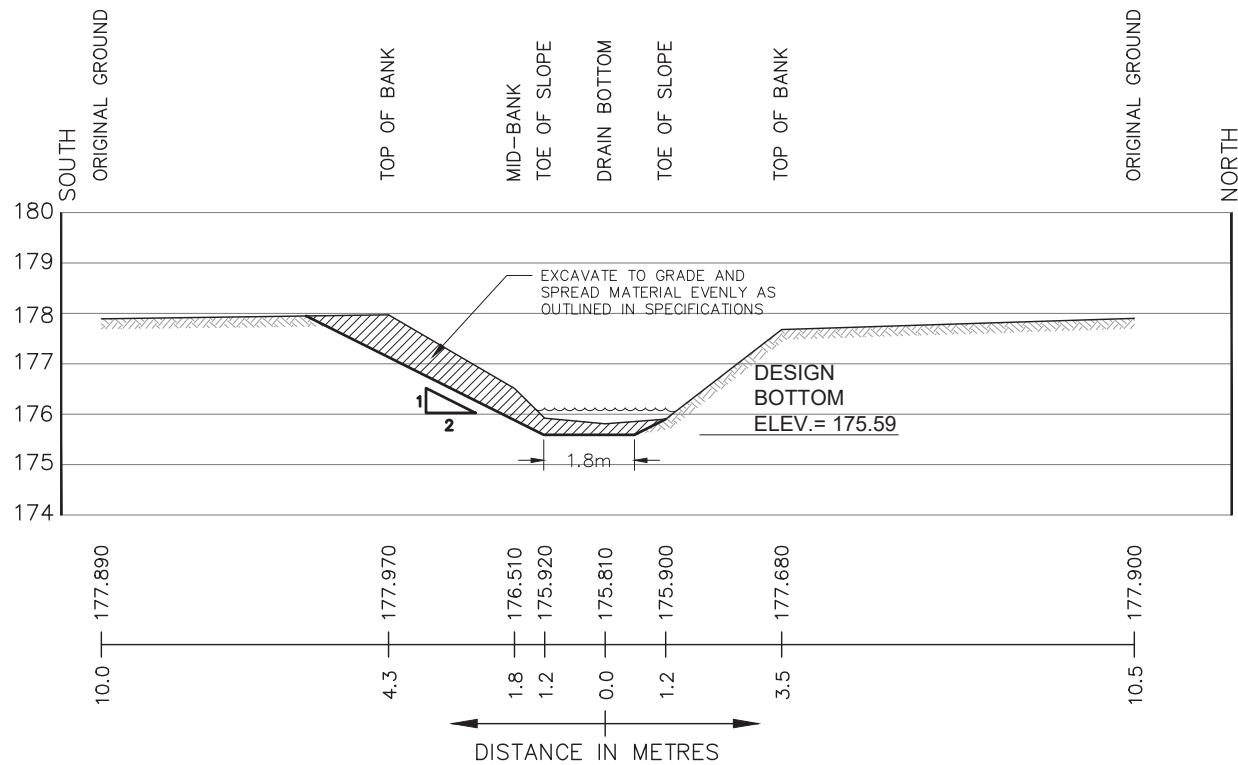
PROJECT NO. 18-769
SHEET NO. 9
OF 19



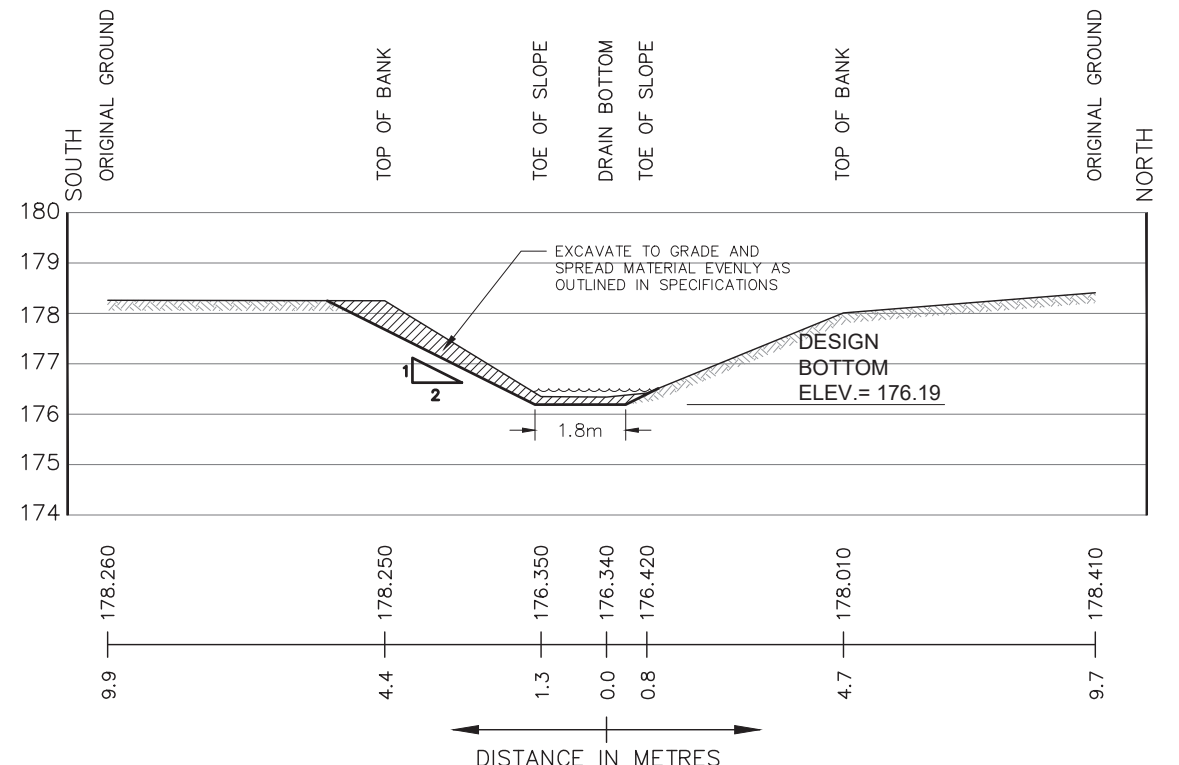
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SCALE: 1:150



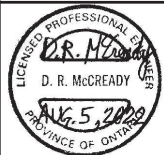
STA 2+200
SCALE: 1:150



STA 2+000
SCALE: 1:150



STA 2+400
SCALE: 1:150

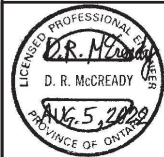
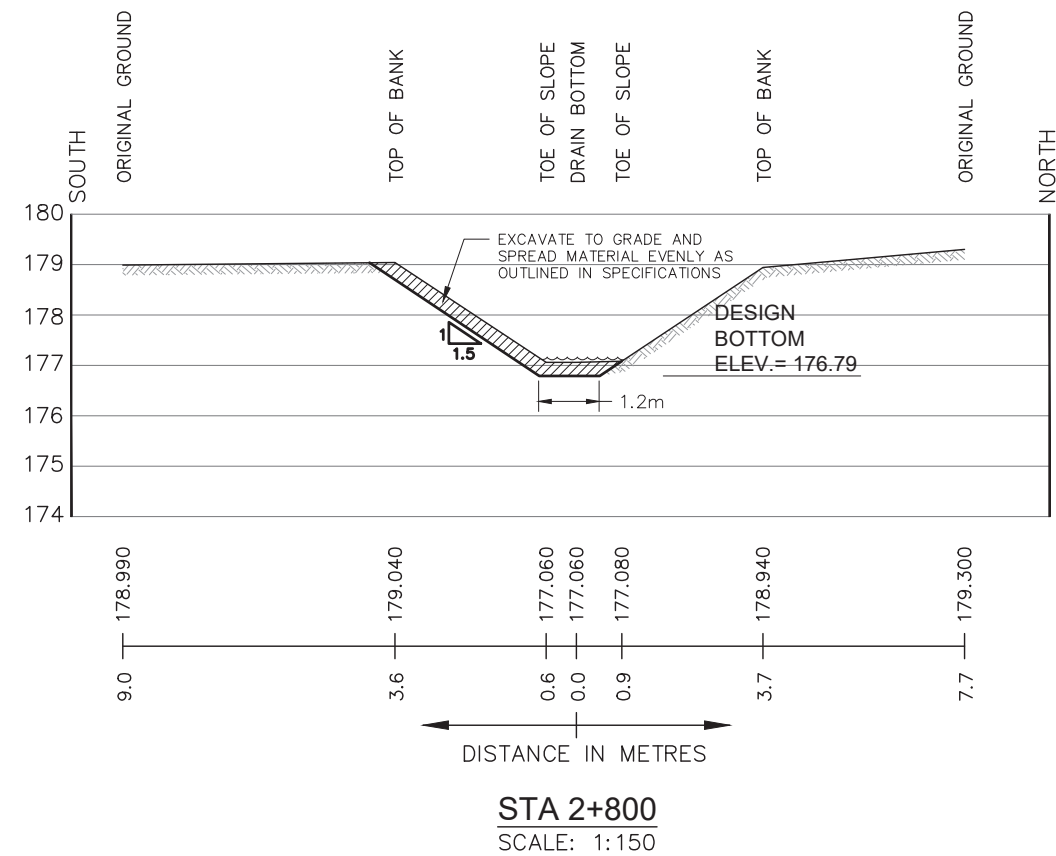
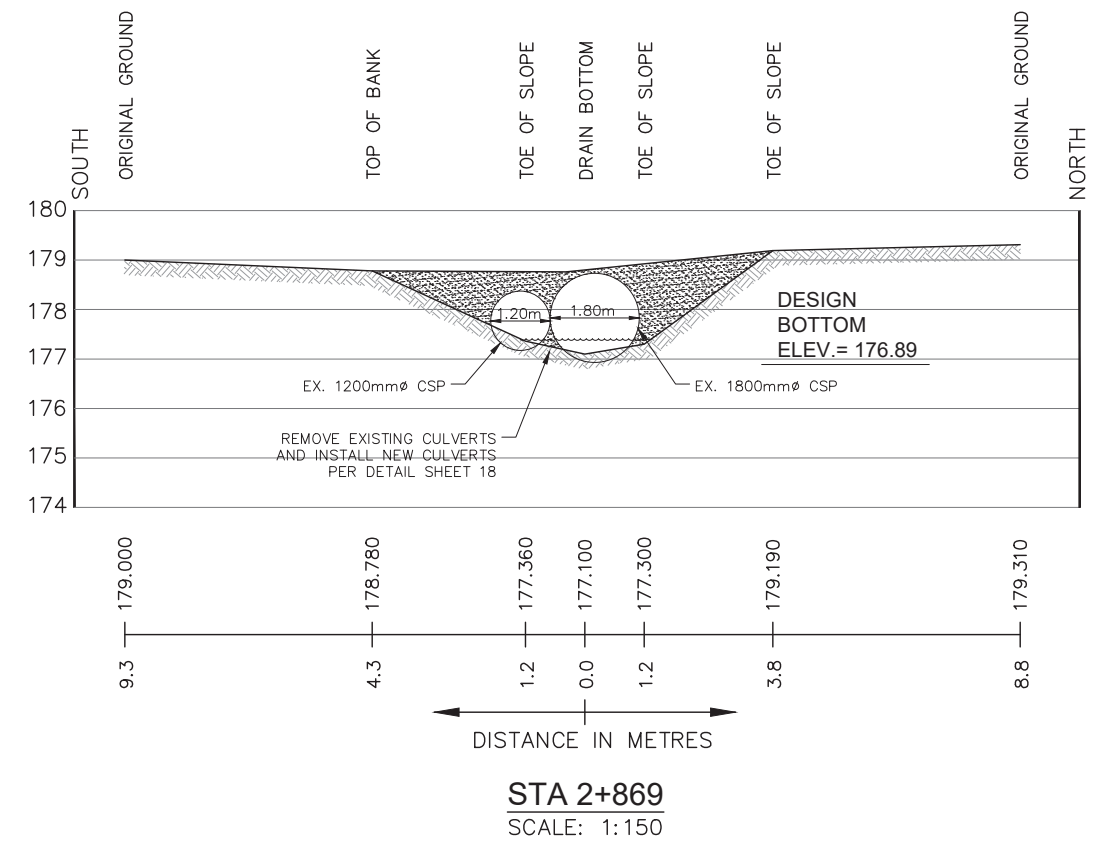
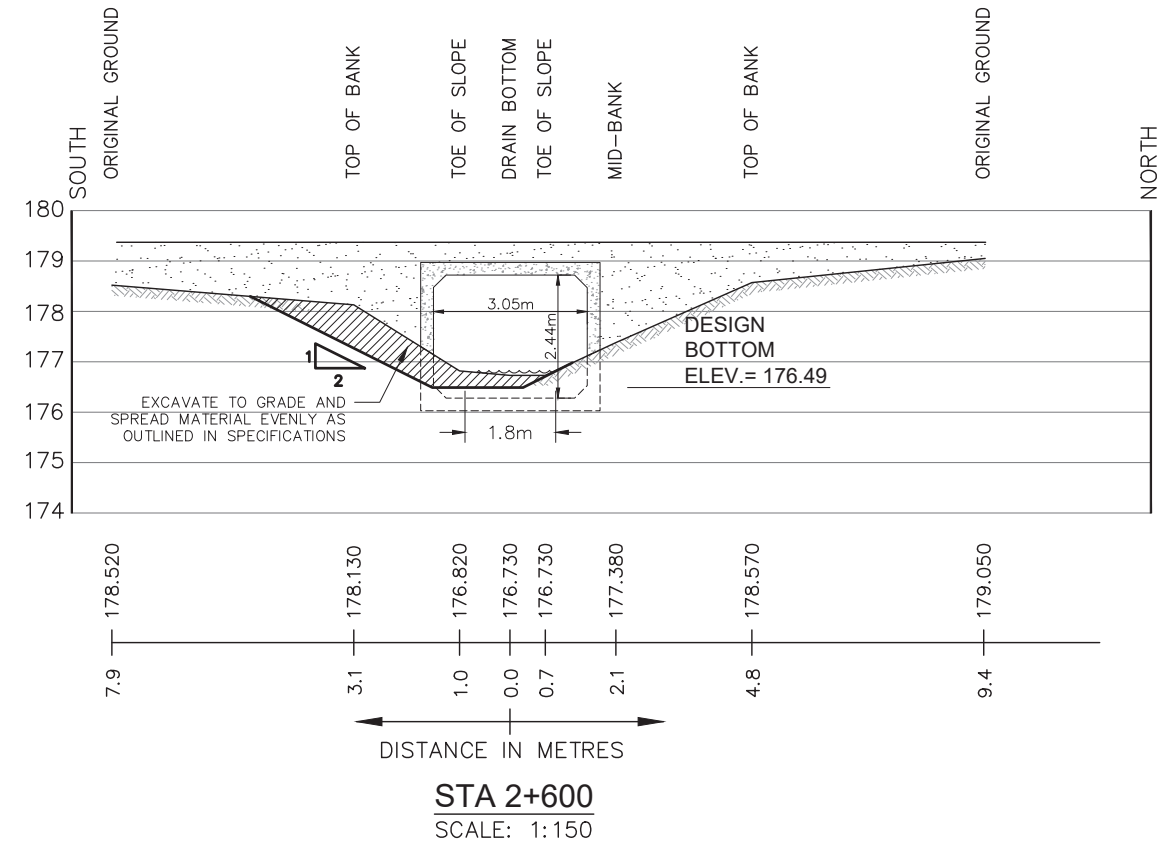


DESIGN	D.M.
CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	AS SHOWN

4TH CONCESSION DRAIN IMPROVEMENTS

CROSS-SECTIONS
STATIONS 1+800 TO 2+400

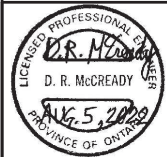
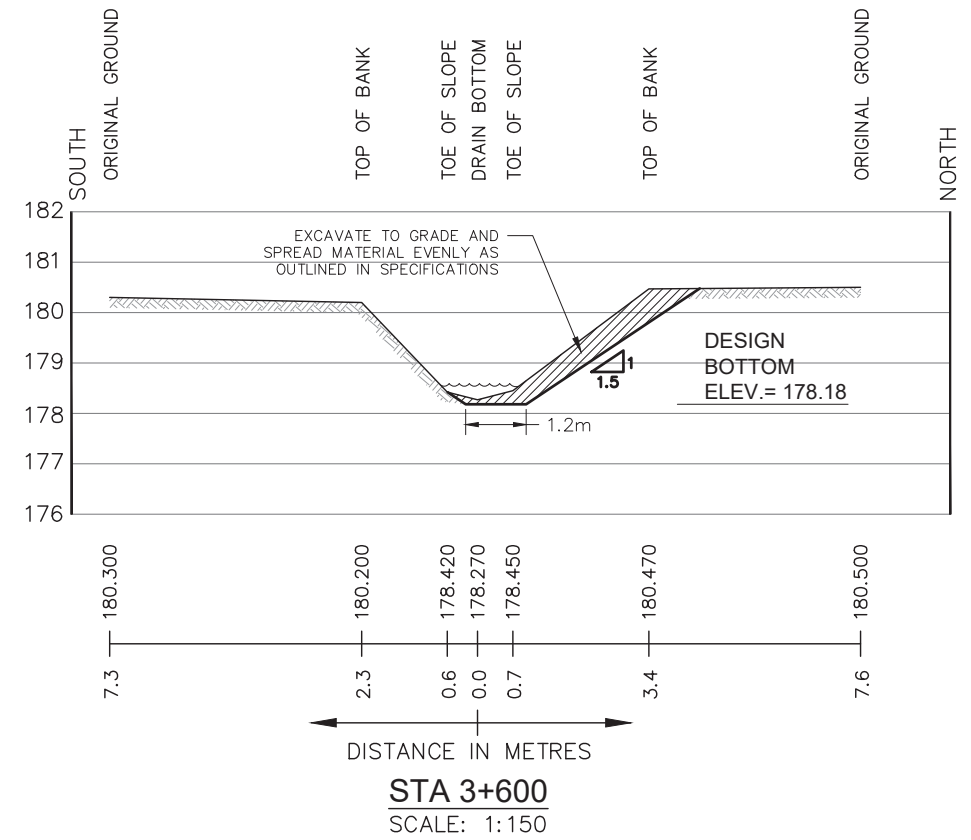
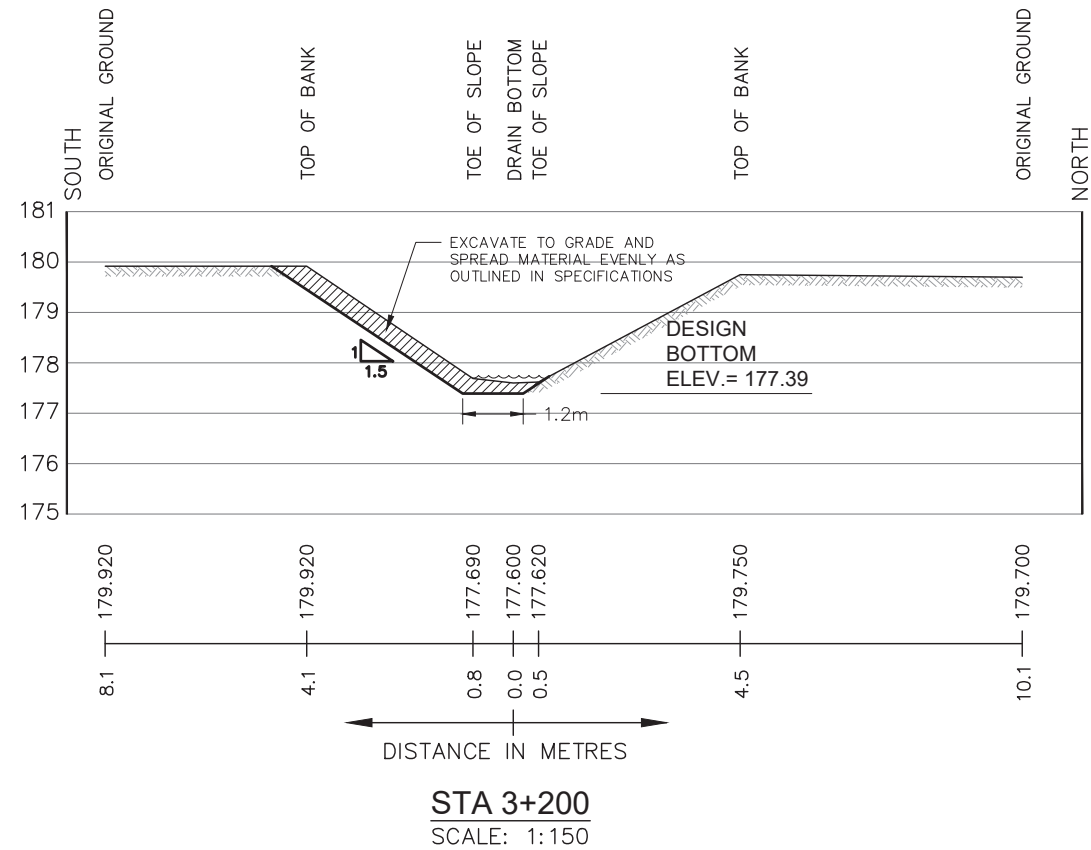
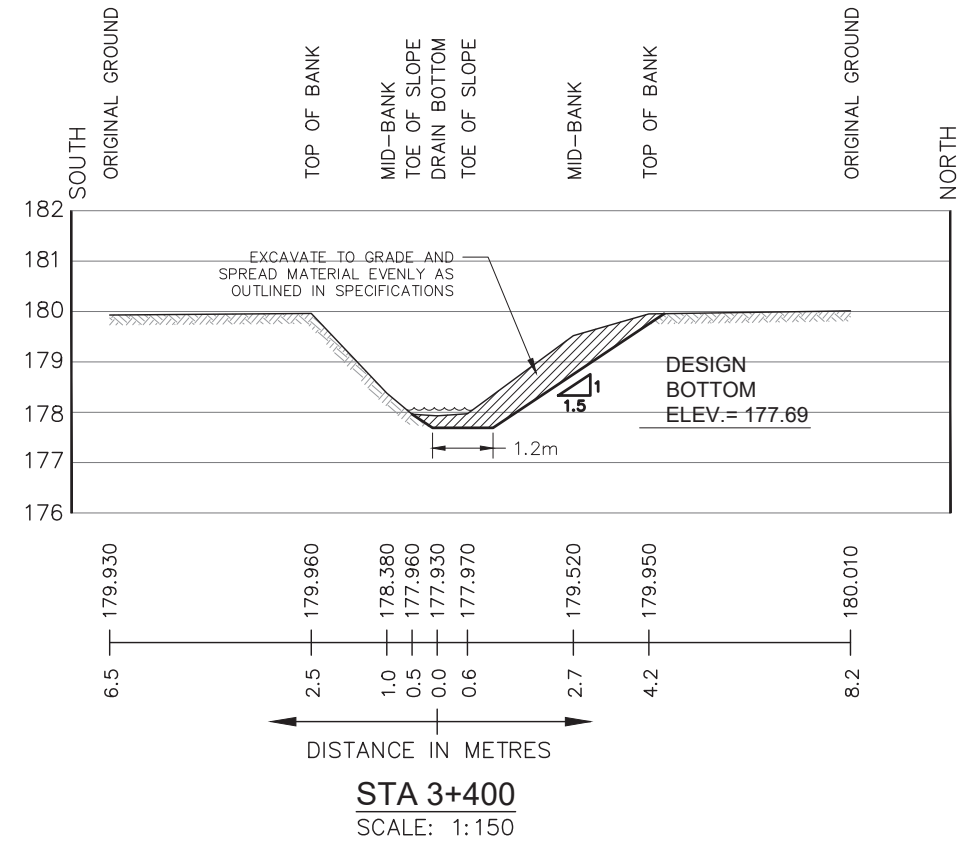
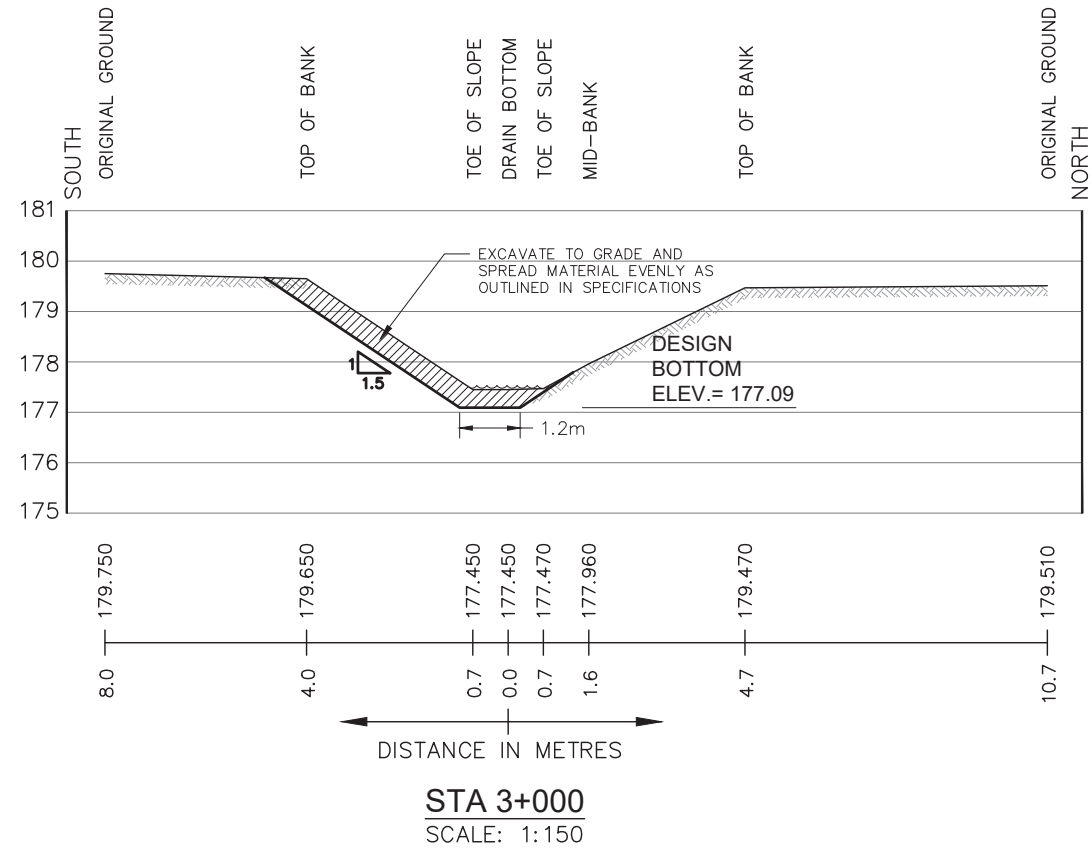
PROJECT NO.	18-769
SHEET NO.	10
OF	19



DESIGN	D.M.
CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	AS SHOWN

4TH CONCESSION DRAIN IMPROVEMENTS
CROSS-SECTIONS STATIONS 2+600 TO 2+869

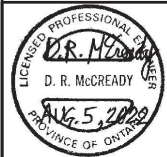
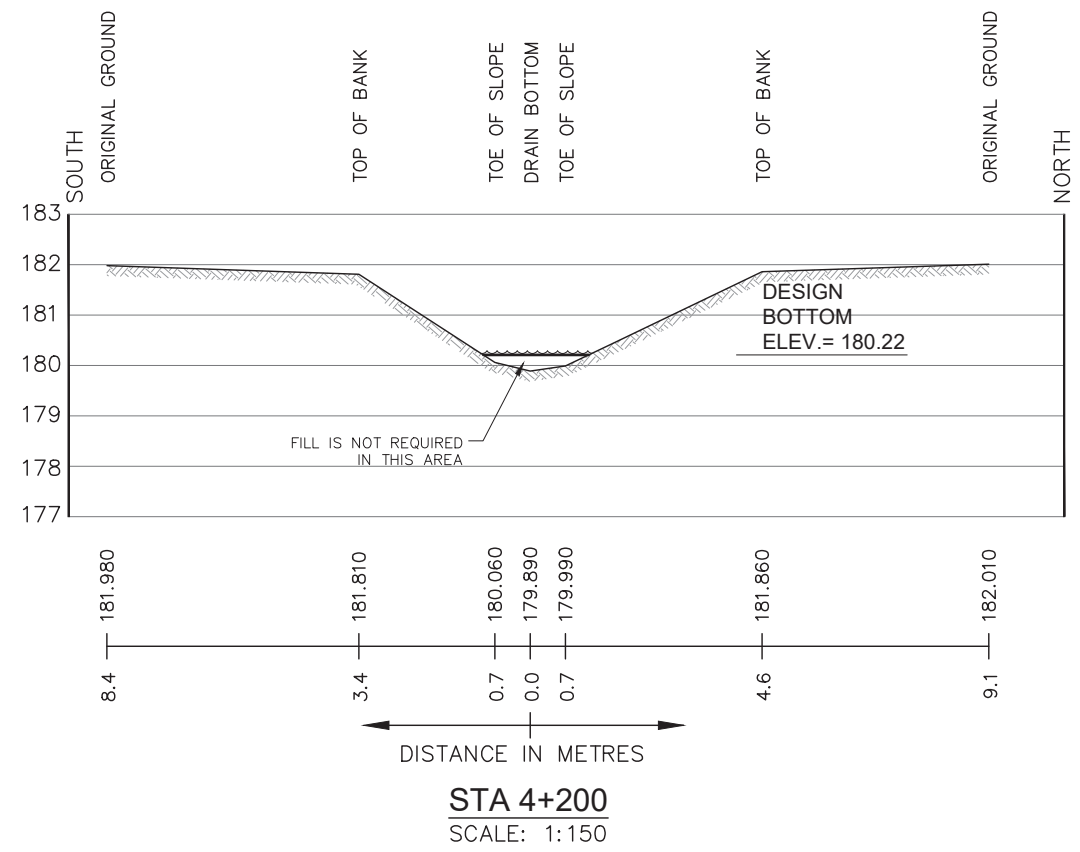
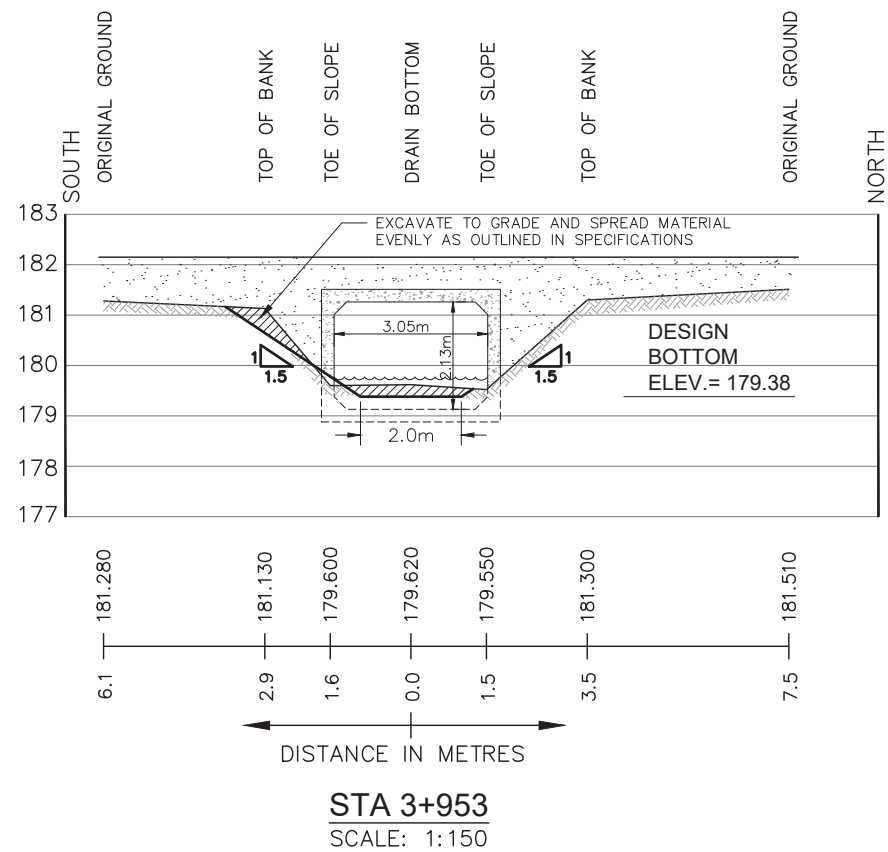
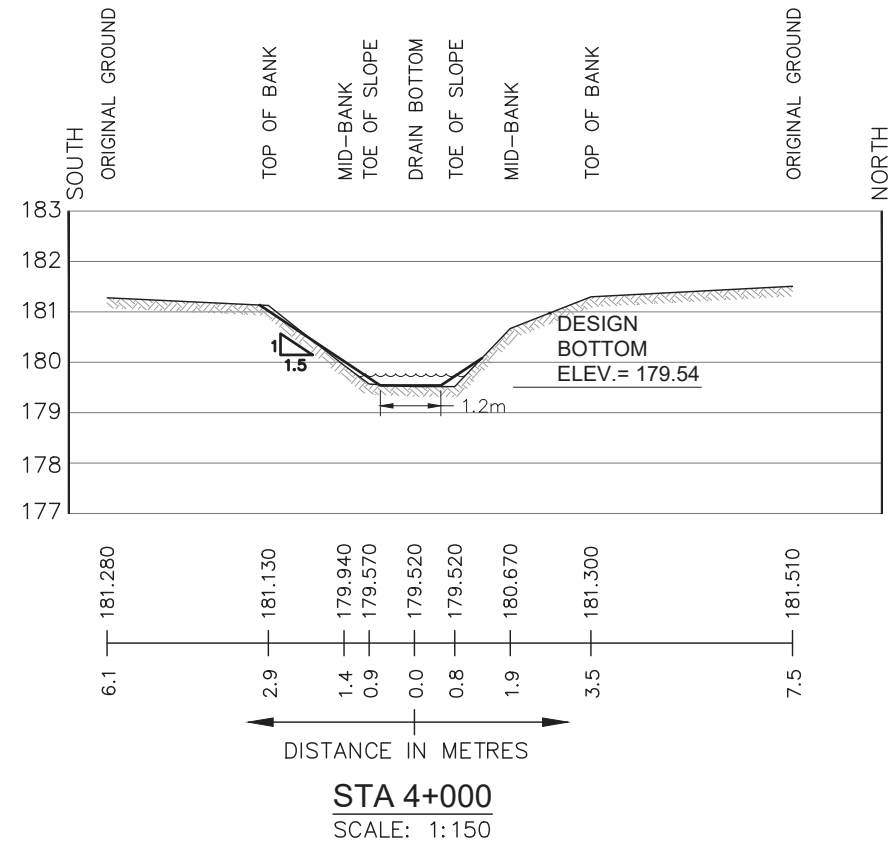
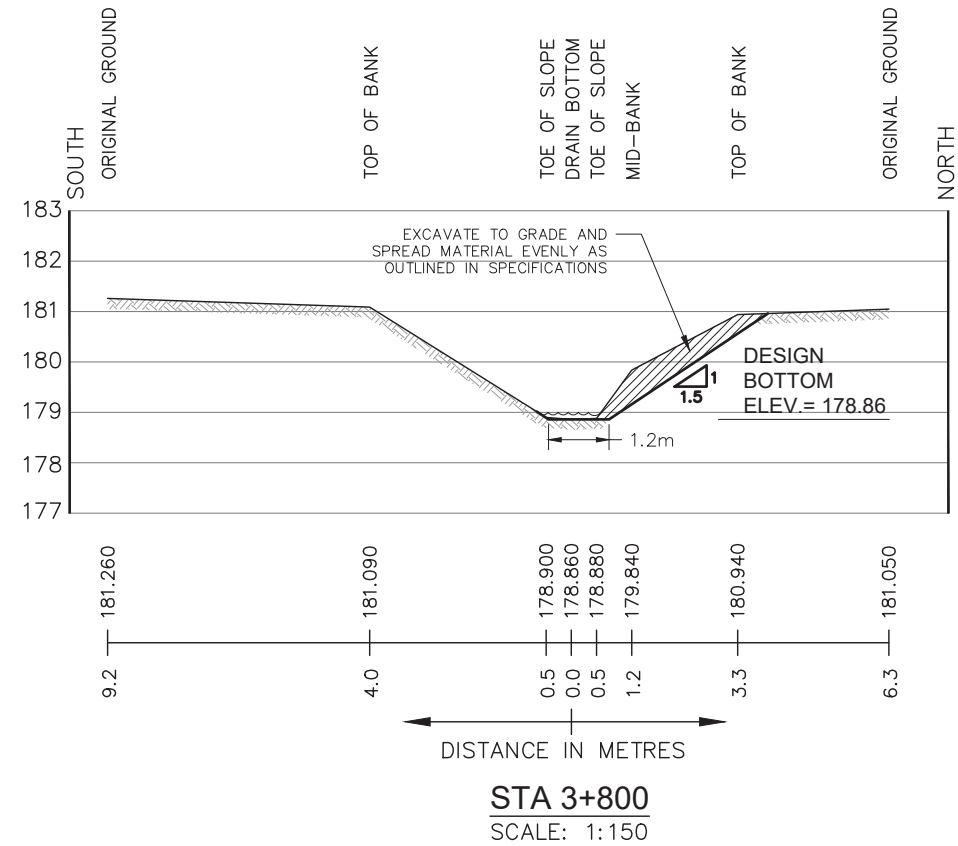
PROJECT NO. 18-769
SHEET NO. 11
OF 19



DESIGN	D.M.
CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	AS SHOWN

4TH CONCESSION DRAIN IMPROVEMENTS
CROSS-SECTIONS STATIONS 3+000 TO 3+600

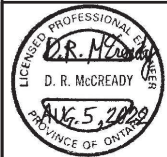
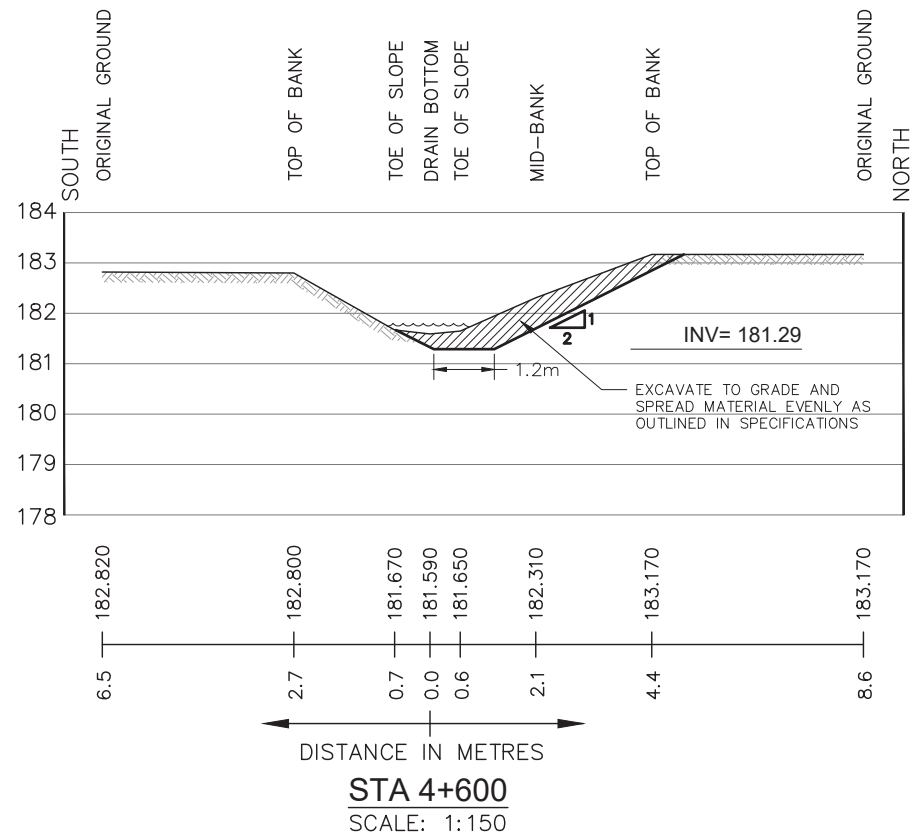
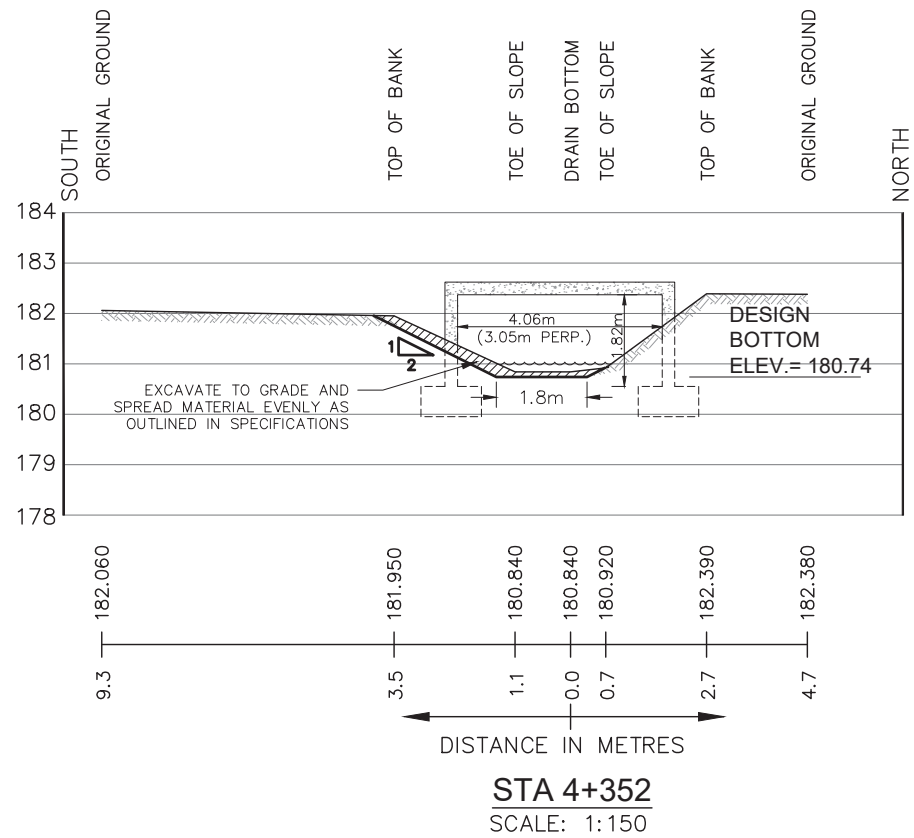
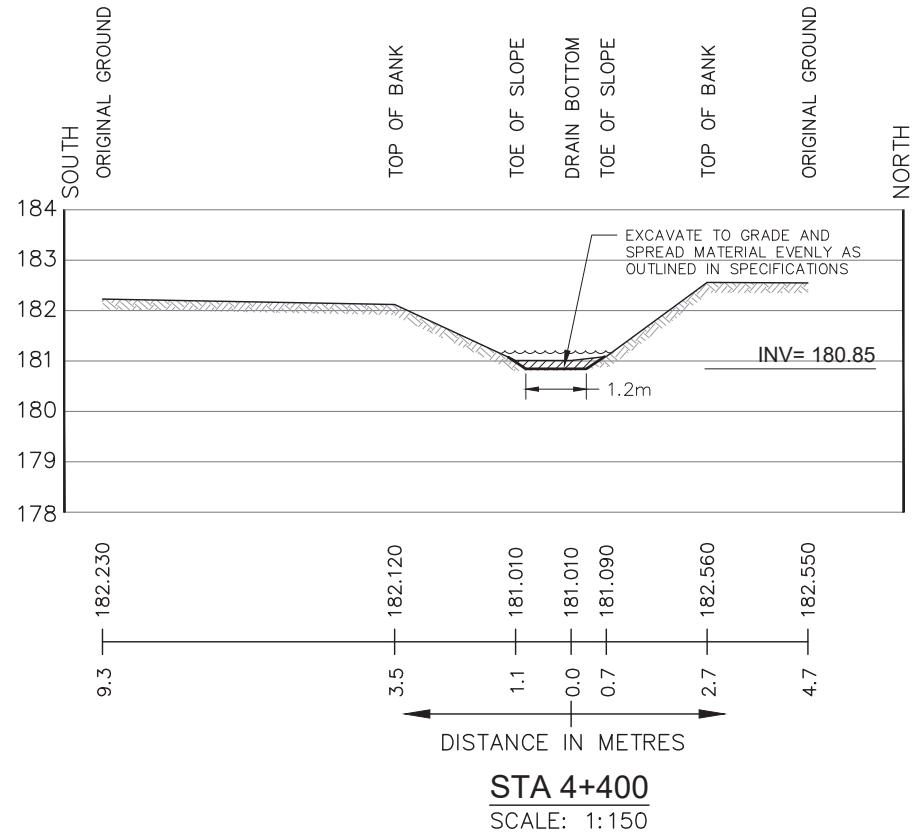
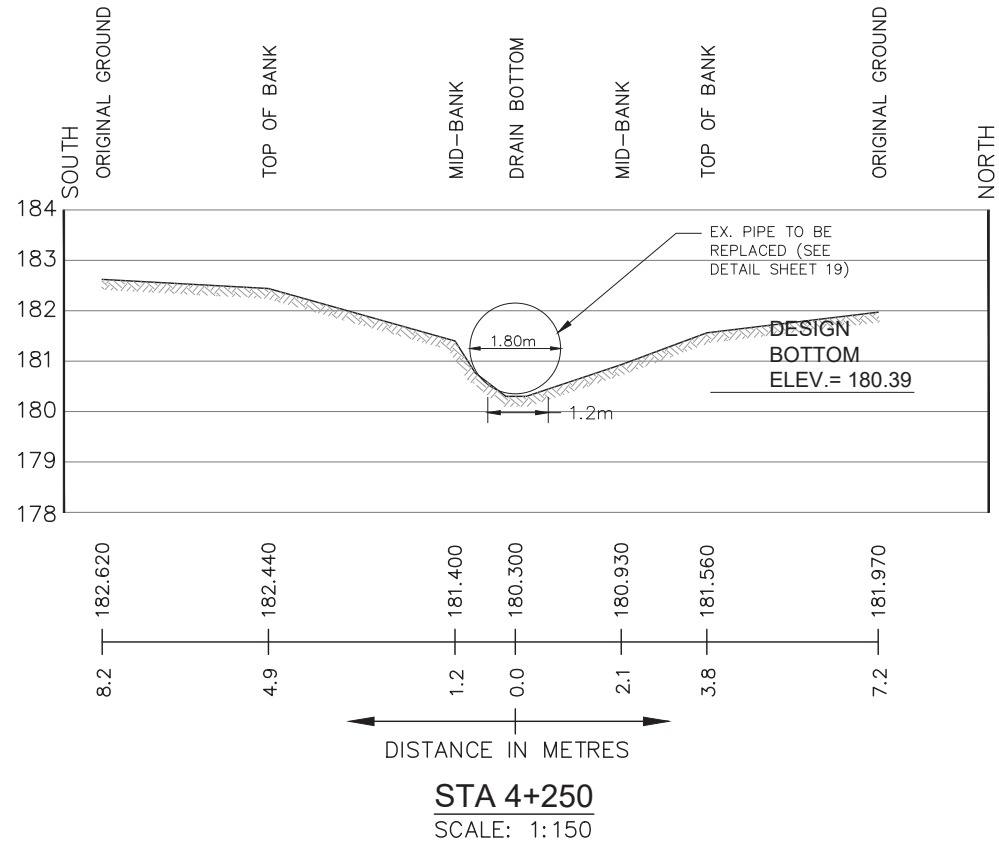
PROJECT NO. 18-769
SHEET NO. 12
OF 19



DESIGN	D.M.
CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	AS SHOWN

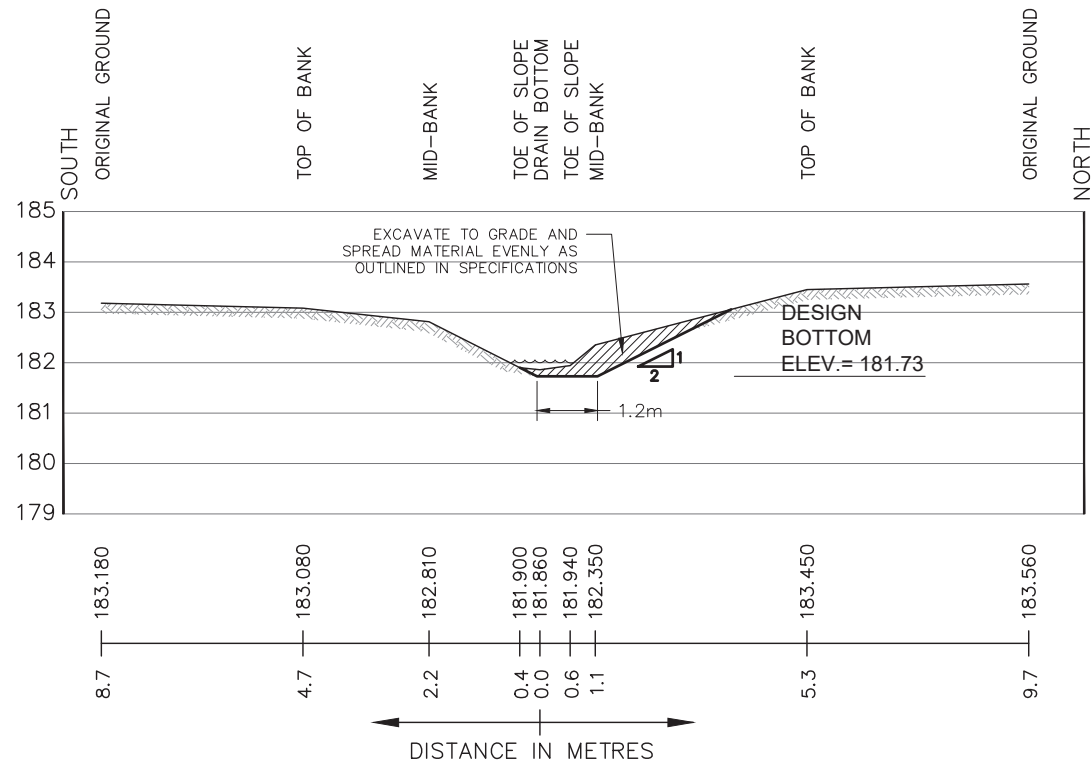
4TH CONCESSION DRAIN IMPROVEMENTS
CROSS-SECTIONS STATIONS 3+800 TO 4+200

PROJECT NO. 18-769
SHEET NO. 13
OF 19

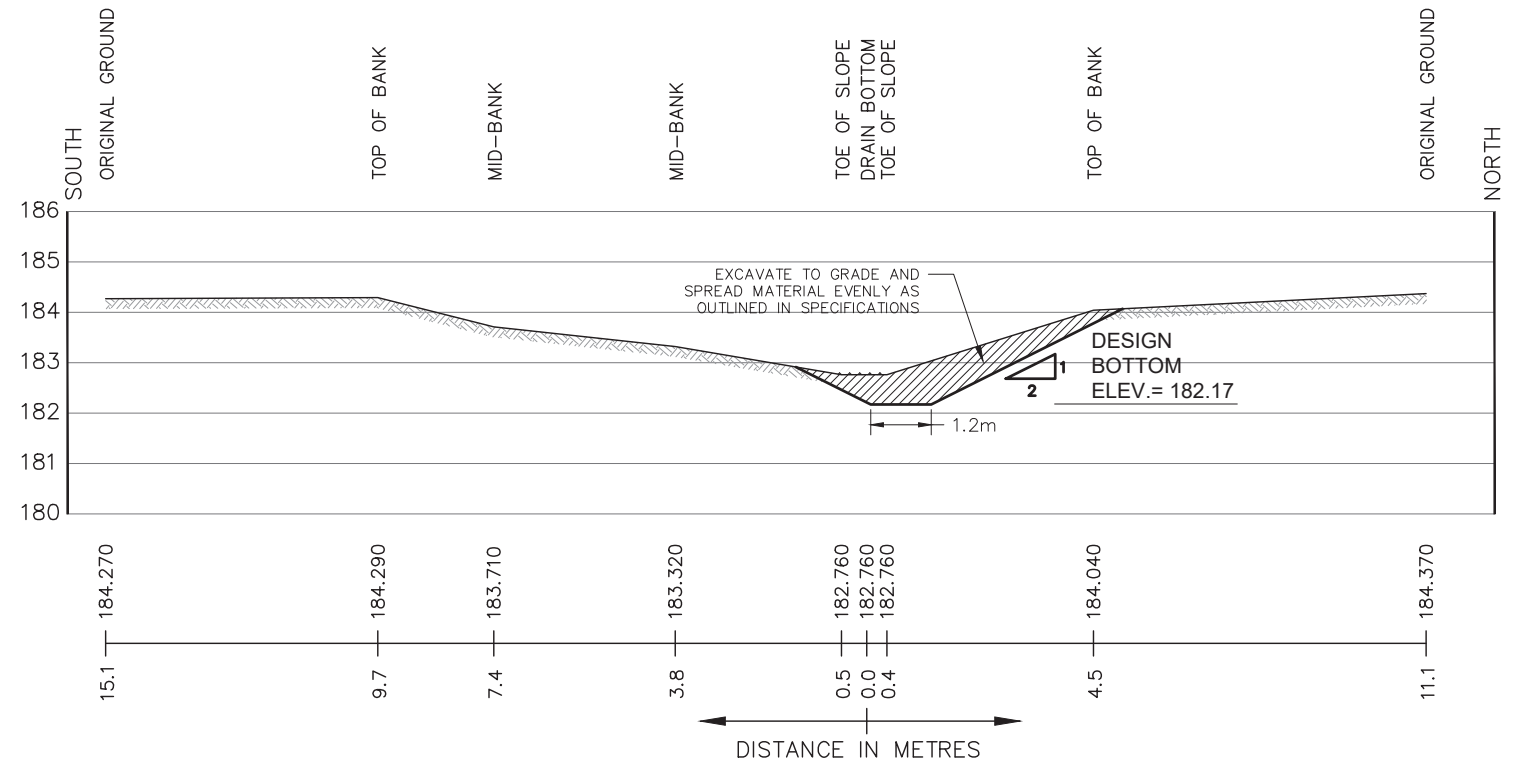


DESIGN	D.M.
CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	AS SHOWN

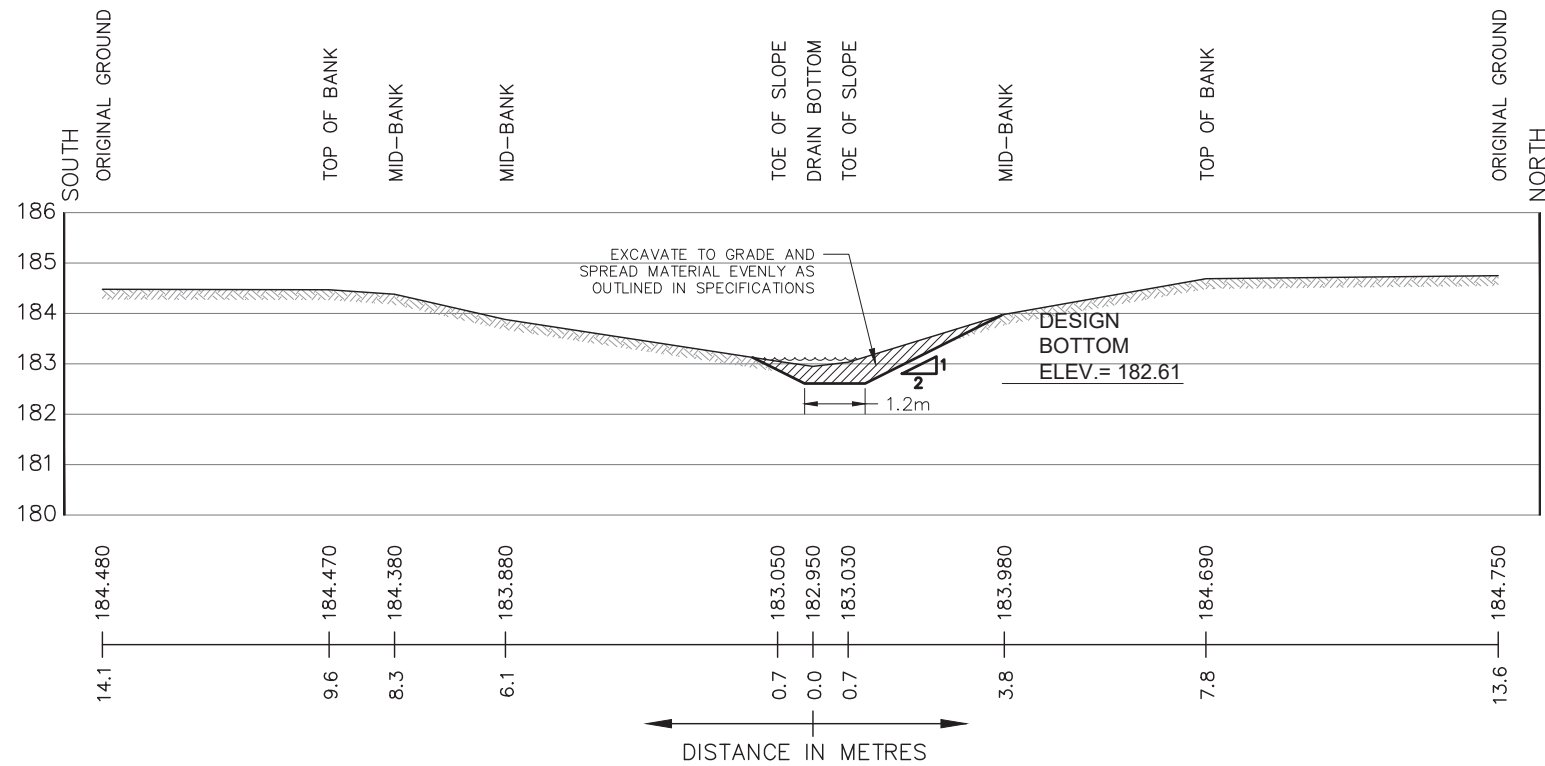
4TH CONCESSION DRAIN IMPROVEMENTS	PROJECT NO. 18-769
CROSS-SECTIONS STATIONS 4+250 TO 4+600	SHEET NO. 14
	OF 19



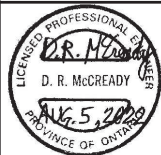
STA 4+800
SCALE: 1:150



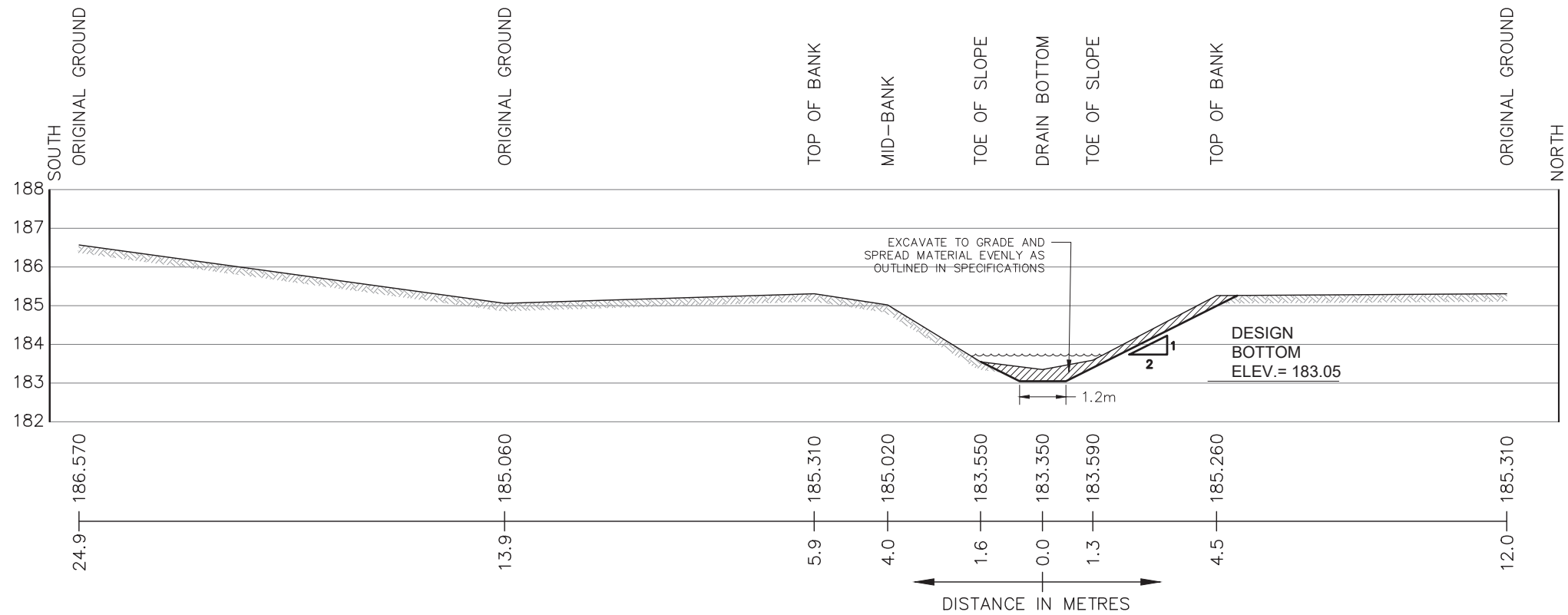
STA 5+000
SCALE: 1:150



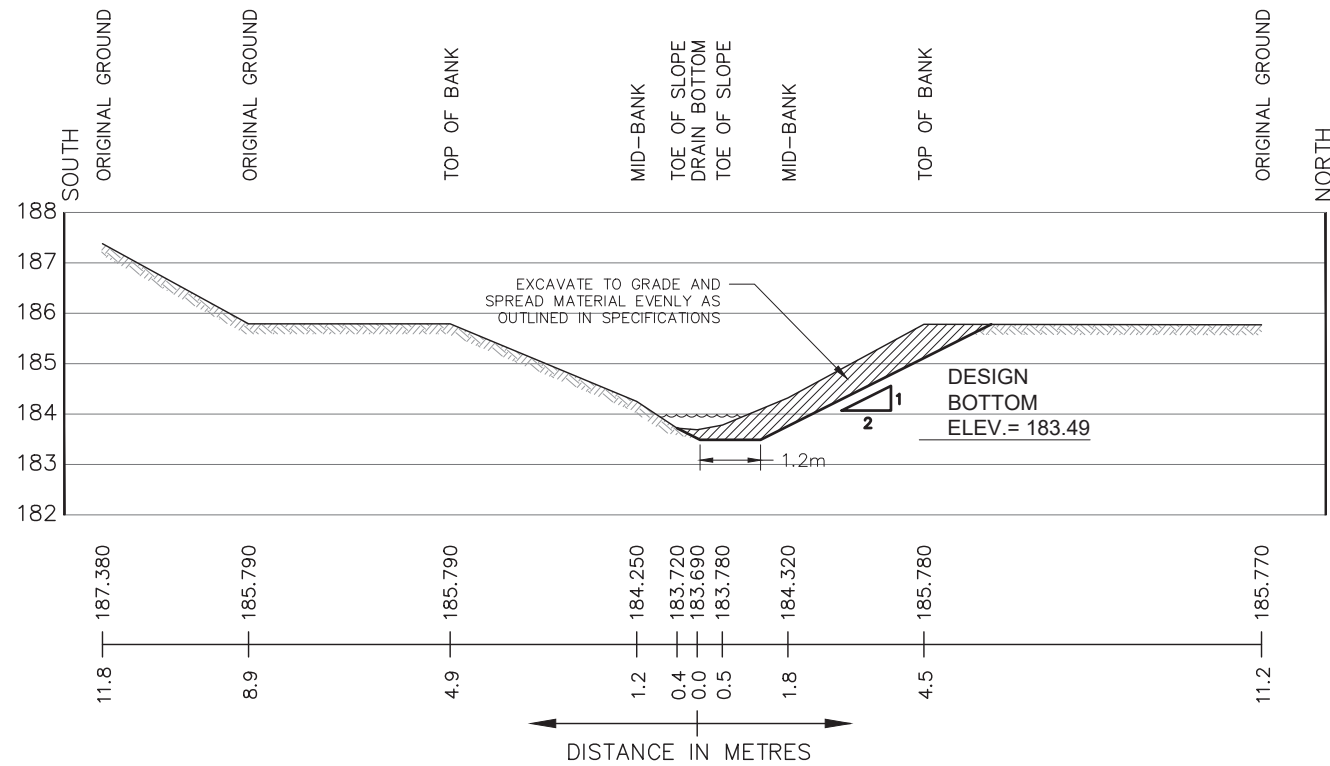
STA 5+200
SCALE: 1:150



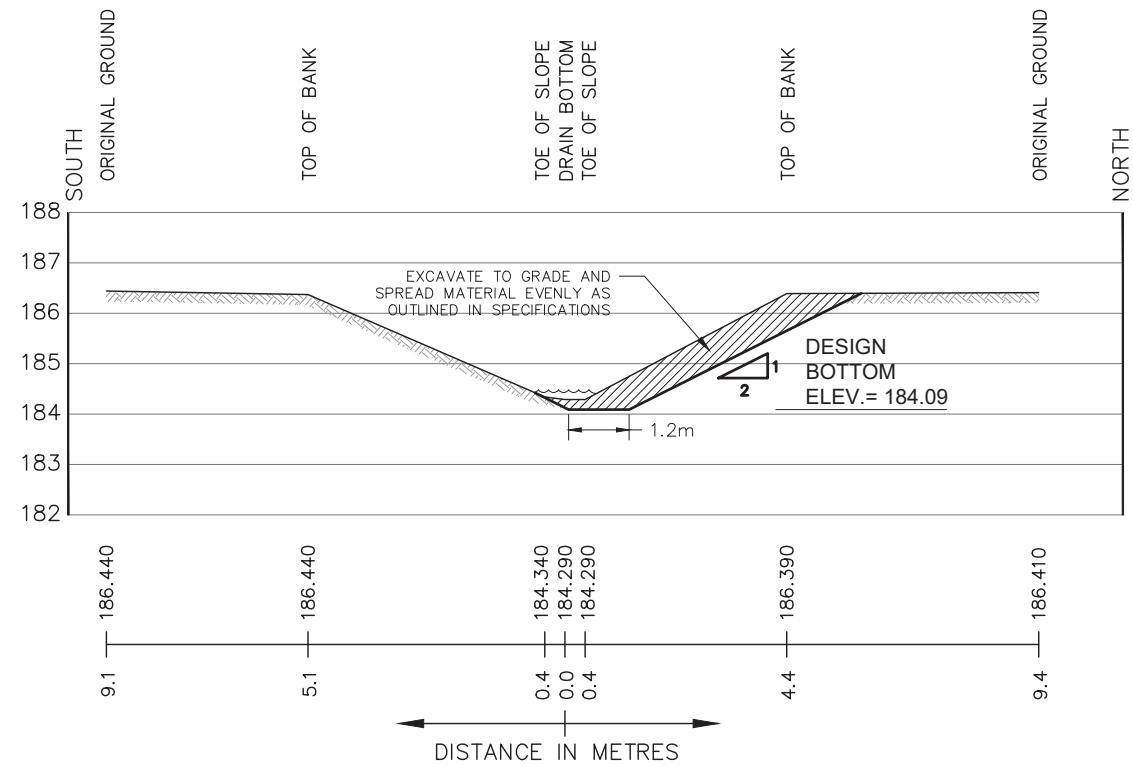
DESIGN	D.M.	4TH CONCESSION DRAIN IMPROVEMENTS	PROJECT NO. 18-769
CHECKED	S.M.L.		
DRAWN	M.M.H.	CROSS-SECTIONS STATIONS 4+800 TO 5+200	SHEET NO. 15
CHECKED	S.M.L.		
DATE	5 AUG. 2022		
SCALE	AS SHOWN		OF 19



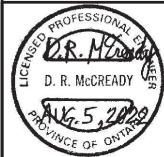
STA 5+400
SCALE: 1:150



STA 5+600
SCALE: 1:150

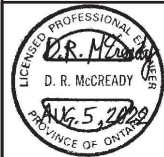
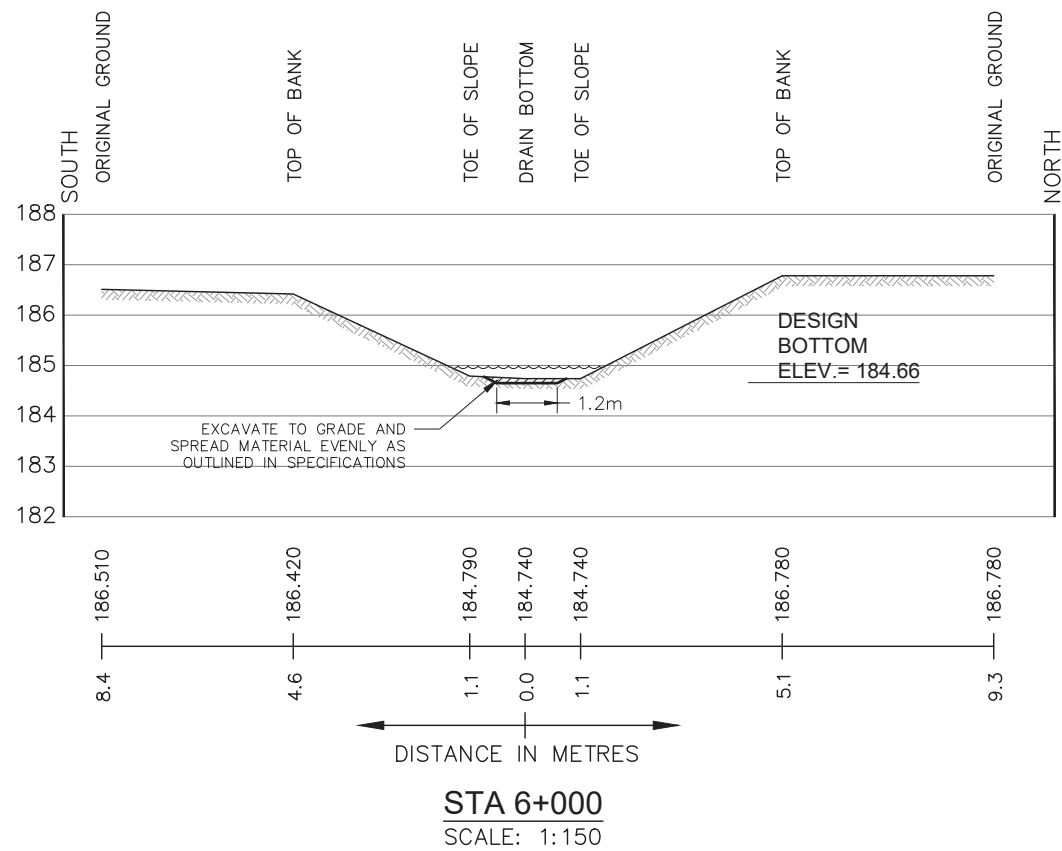
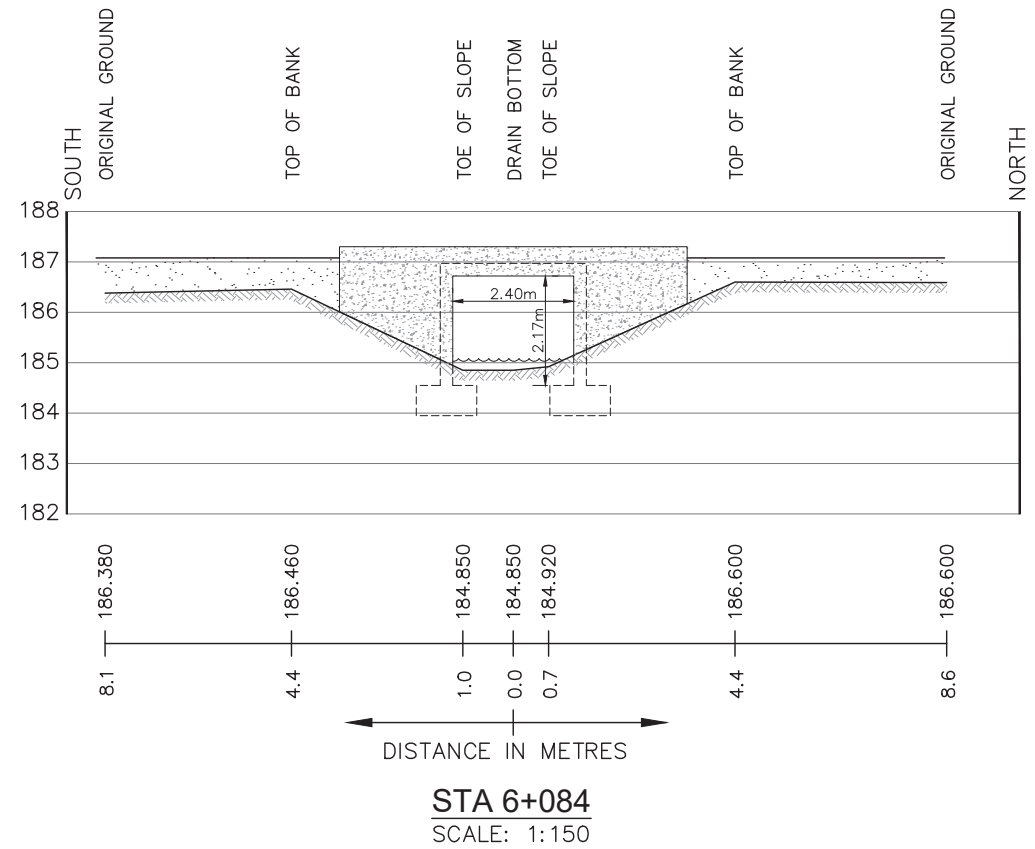
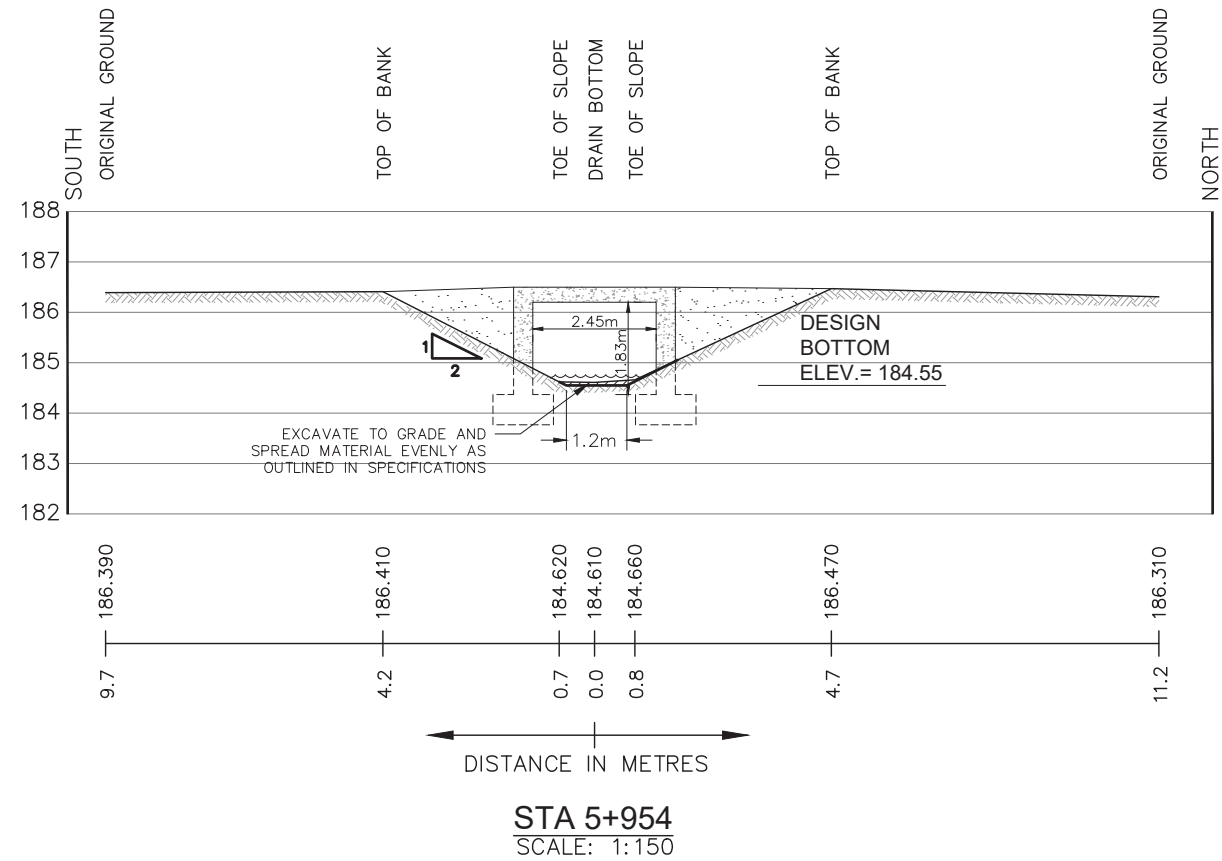


STA 5+800
SCALE: 1:150



DESIGN	D.M.
CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	AS SHOWN

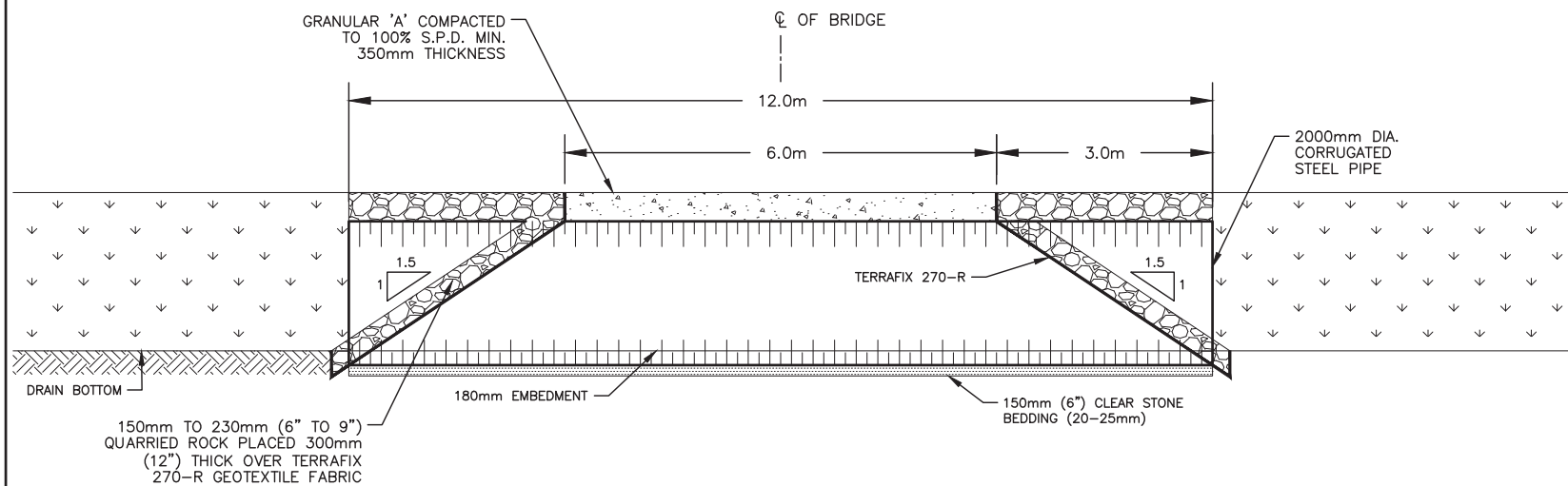
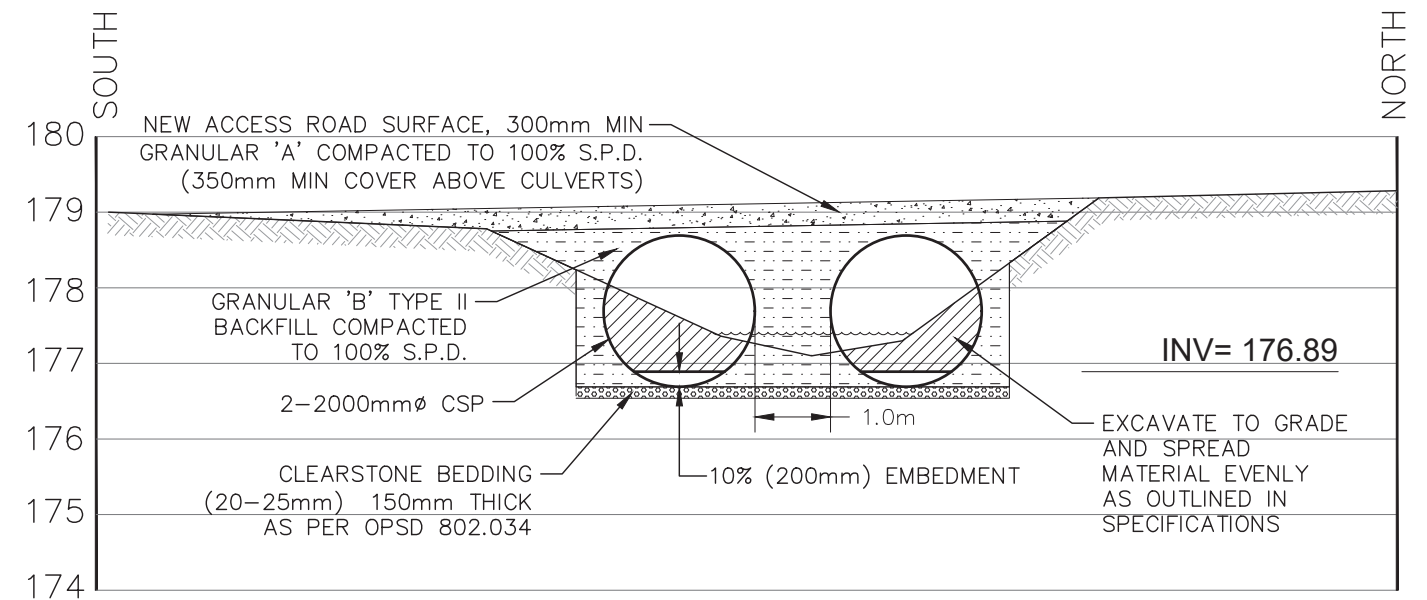
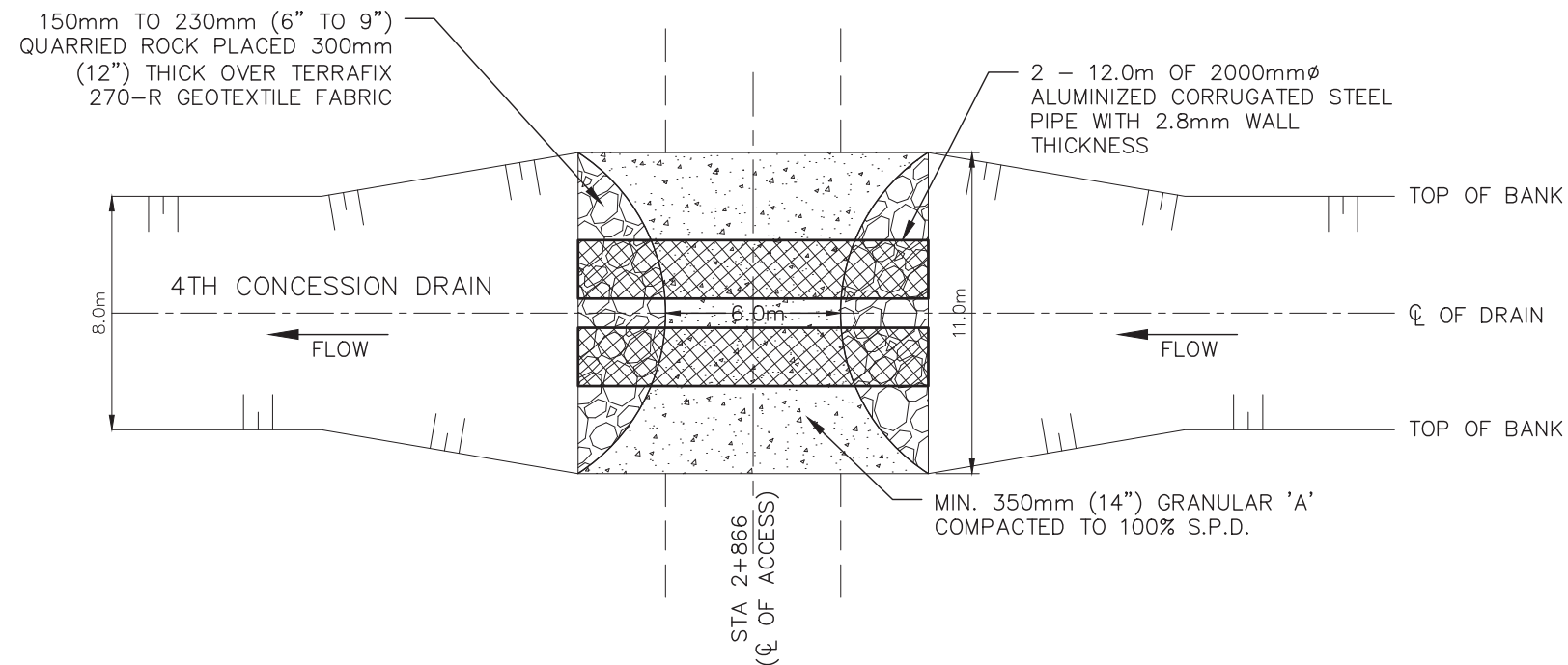
4TH CONCESSION DRAIN IMPROVEMENTS	PROJECT NO. 18-769
CROSS-SECTIONS STATIONS 5+400 TO 5+800	SHEET NO. 16
	OF 19



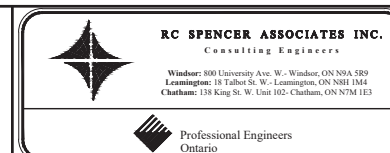
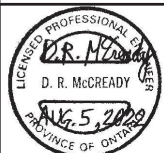
DESIGN	D.M.
CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	AS SHOWN

4TH CONCESSION DRAIN IMPROVEMENTS
CROSS-SECTIONS STATIONS 5+954 TO 6+084

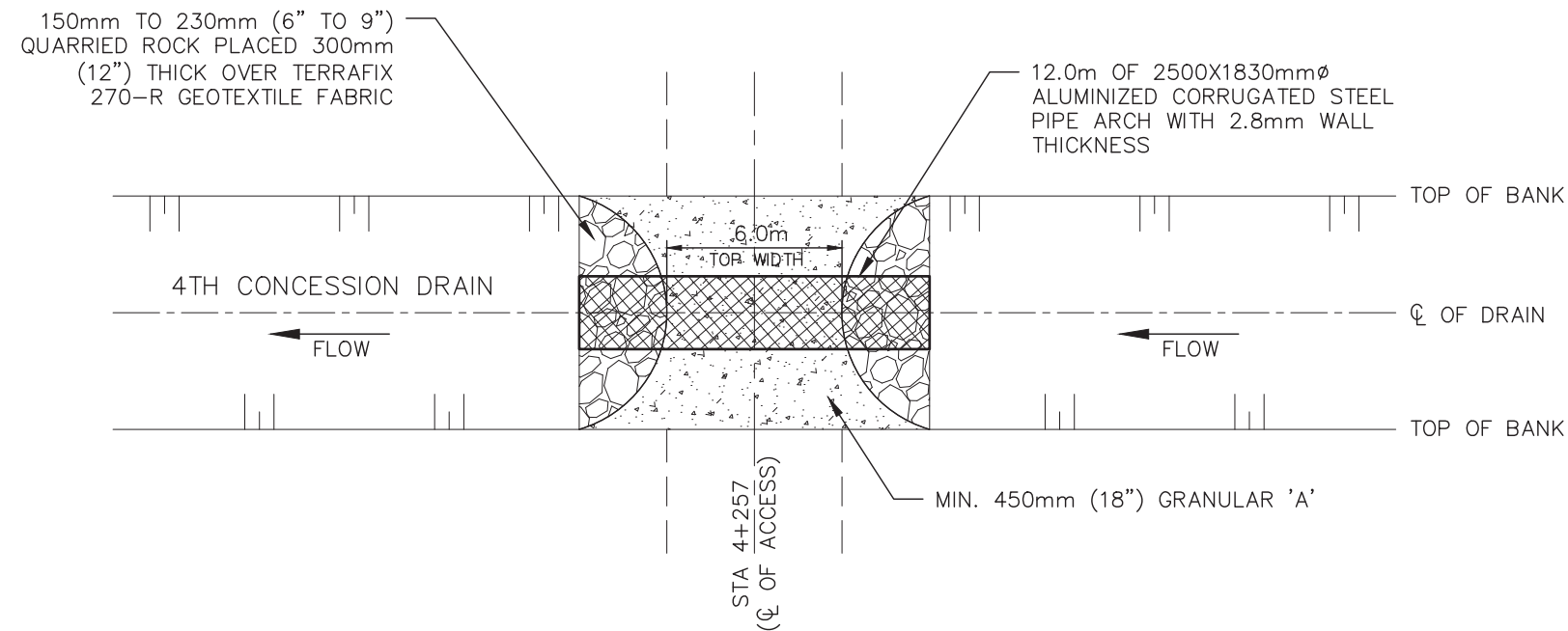
PROJECT NO. 18-769
SHEET NO. 17
OF 19



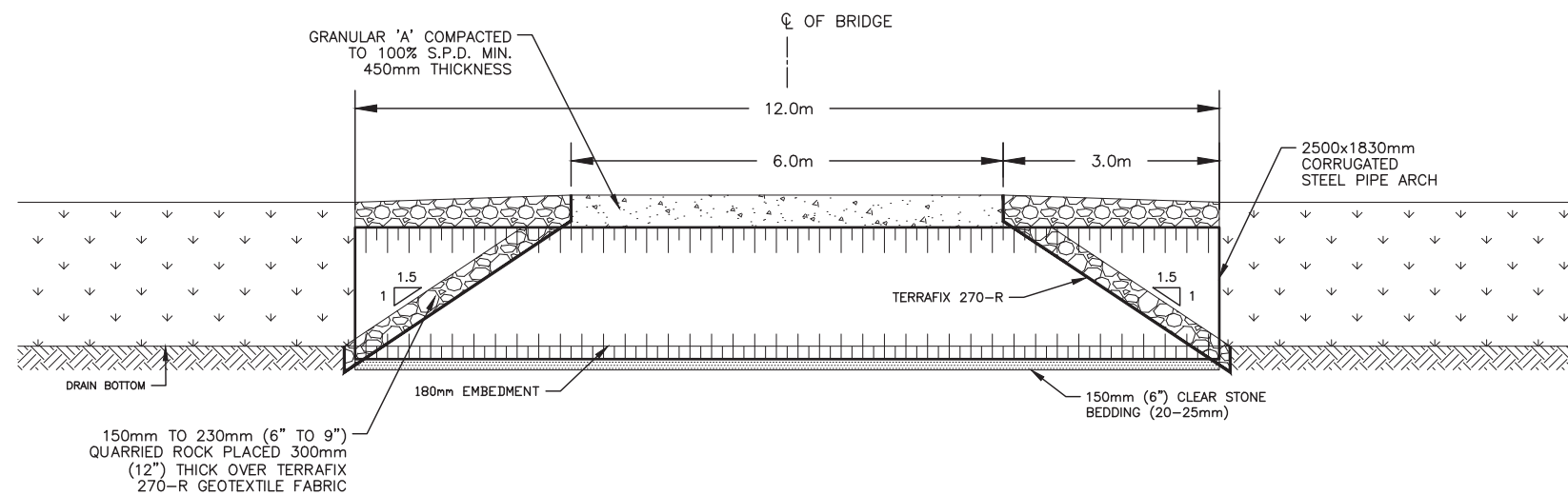
PIPE SIZE	2000mm DIA.
PIPE LENGTH	12.0m
PIPE GAUGE	2.8mm
CORRUGATION PROFILE	125 x 25mm
TYPE OF PIPE	ALUMINIZED TYPE II CORRUGATED STEEL PIPE
UPSTREAM PIPE INVERT	176.70
DOWNSTREAM PIPE INVERT	176.68
PIPE GRADE	0.15%



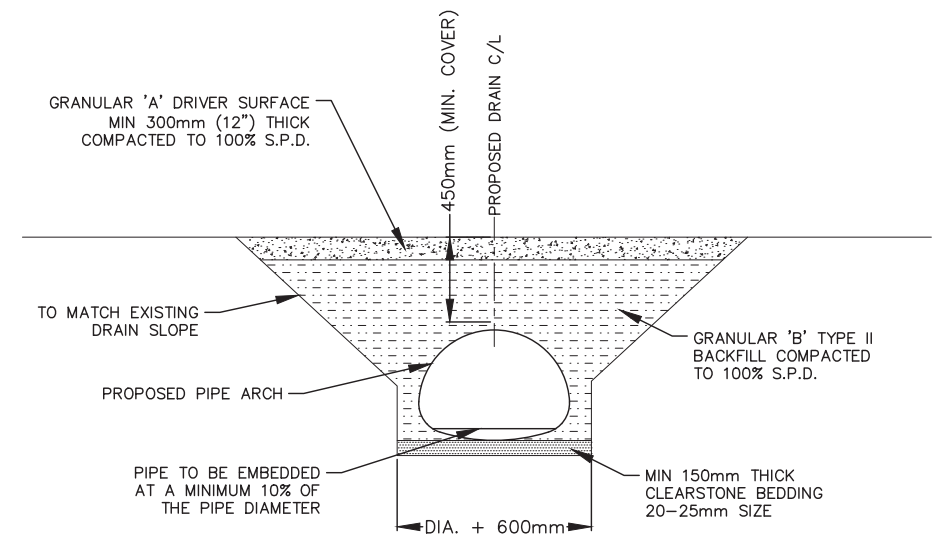
DESIGN	D.M.	4TH CONCESSION DRAIN IMPROVEMENTS	PROJECT NO.	
CHECKED	S.M.L.		18-769	
DRAWN	M.M.H.	CULVERT NO. 5 INSTALLATION STATION 2+866	SHEET NO.	
CHECKED	S.M.L.		18	
DATE	5 AUG. 2022		OF	19
SCALE	AS SHOWN			



PLAN VIEW
SCALE: 1: 250

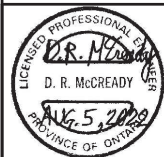


LONGITUDINAL SECTION
SCALE: 1:100



CROSS SECTION DETAIL (TYPICAL)
NOT TO SCALE

PIPE SIZE	2500 x 1830mm
PIPE LENGTH	12.0m
PIPE GAUGE	2.8mm
CORRUGATION PROFILE	125 x 25mm
TYPE OF PIPE	ALUMINIZED TYPE II CORRUGATED STEEL PIPE ARCH
UPSTREAM PIPE INVERT	180.26
DOWNSTREAM PIPE INVERT	180.22
PIPE GRADE	0.34%



DESIGN	D.M.
CHECKED	S.M.L.
DRAWN	M.M.H.
CHECKED	S.M.L.
DATE	5 AUG. 2022
SCALE	AS SHOWN

4TH CONCESSION DRAIN IMPROVEMENTS
CULVERT NO. 7 INSTALLATION STATION 4+257

PROJECT NO. 18-769
SHEET NO. 19
OF 19