

**DRAINAGE REPORT
FOR THE**

**COUNTY ROAD NO. 42
DRAIN**

**IN THE
TOWN OF TECUMSEH, CITY OF WINDSOR &
MUNICIPALITY OF LAKESHORE**



(DRAFT)
21 JANUARY 2025
MARK D. HERNANDEZ, P.ENG.
FILE No. 18-8340

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Mayor and Council
The Corporation of the Town of Tecumseh
917 Lesperance Road
Tecumseh, Ontario
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**Drainage Report for the
COUNTY ROAD NO. 42 DRAIN
In the
Town of Tecumseh, City of Windsor & Municipality of Lakeshore**

Mayor and Council:

Instructions

The Municipality received a request from the County of Essex dated 30 April 2018 to repair and improve the municipal drains along County Road No. 42 as part of the road reconstruction project. Council accepted the request under Section 78 of the Drainage Act and on 27th August 2018 appointed Dillon Consulting Limited to prepare a report. The Municipality made a single appointment for the following drains:

- St. Louis Drain
- 11th Concession Drain
- Banwell Road Drain
- Klondyke & Branch Drain
- Lesperance Road Drain West & East
- Dame & East Branch Drain

Background

The County of Essex is undertaking the reconstruction of County Road No. 42 which includes construction of new storm sewers to facilitate the change from a rural to an urban road cross section. As part of the same project, 11th Concession Road and Banwell Road (which constitute County Road No. 43) will be relocated westerly such that the two roads align at a single intersection with County Road No. 42. The proposed work is recognized to have various impacts to the existing municipal drainage infrastructure and as such the Municipality has made the appointment under the Act to incorporate the new drainage works and rectify any impacts to the remaining municipal drains and associated assessment schedules for future maintenance.

As there are several drains affected by the proposed work, the appointment has been separated out into separate reports for the new and existing drains. This will assist the drainage superintendents with the implementation of future maintenance.



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This report addresses the incorporation of a new sewer within the County Road No. 42 road allowance that will replace portions of the St. Louis Drain, 11th Concession Drain, Klondyke & Branch Drain, as well as Dame & East Branch Drain. Recommended works and updated assessment schedules for future maintenance on affected drains have been included under separate reports.

Watershed Description

The watershed of the County Road No. 42 sewer works comprises the watersheds of the drains the sewer will replace and/or intercept as noted above, as well as some areas that will be redirected from the Soulliere Drain watershed. These lands are of mixed use, including agricultural, residential and commercial uses. The total watershed area is approximately 163.1 hectares (403 acres). There is little topographic relief. From the Ontario Soil Survey, the principle surficial soil in the study area is described as Brookston Clay and areas of Brookston Clay Sand Spot Phase. The soils are predominantly poorly drained clay.

Drain History

St. Louis Drain

The recent history of Engineers' reports for the St. Louis Drain follows:

- **19 July 2006 by Bruce D. Crozier, P.Eng.:** The reconsidered report recommended work included the repair and improvement of the St. Louis Drain, including an enclosure and the lowering of four access culverts.
- **28 May 1999 by Lou Zarlenga, P.Eng.:** The report recommended the enclosure of 95 m of the St. Louis drain.
- **10 June 1981 by C.G.R. Armstrong, P.Eng.:** The recommended work included the repair and improvement of the entire St. Louis Drain, complete with brushing, and the lowering of an existing culvert.
- **10 December 1963 by C.G.R. Armstrong, P.Eng.:** The report recommended the establishment of a new drain and six access culverts.

11th Concession Drain

The recent history of Engineers' reports for the 11th Concession Drain follows:

- **10 February 2014 by Mark D. Hernandez, P.Eng.:** The report recommended the incorporation of a private access culvert as part of the 11th Concession Drain.
- **13 April 2006 by Tim R. Oliver, P.Eng.:** The report recommended the installation of a secondary access bridge for Roll No. 560-05400.
- **4 April 2000 by Lou Zarlenga, P.Eng.:** The report recommended a new farm access culvert and enclosure for Roll No. 560-04100. This report is an addendum Drainage Report No. 2.
- **25 September 1998 by Lou Zarlenga, P.Eng.:** The report recommended the repair and improvement including widening and deepening of the open drain and the lowering and replacement of multiple access culverts.
- **16 September 1976 by Maurice Armstrong, P.Eng.:** The recommended work included the cleaning of the entire 11th Concession Drain.

Banwell Road Drain

The recent history of Engineers' reports for the Banwell Road Drain follows:

- **16 December 1969 by C.G.R. Armstrong, P.Eng.:** The report recommended a roadside ditch be relocated off the road allowance and known as the Banwell Road Drain. The work also included four access bridge replacements.

Klondyke & Branch Drain

The recent history of Engineers' reports for the Klondyke Drain and Branch follows:

- **28 February 1992 by Lou Zarlenga, P.Eng.:** The recommended work included the repair and improvement of the Klondyke Drain, complete with brushing, cleanout and replacement of access culverts. The report also recommended the drain south of County Road No. 42 to its outlet into Pike Creek Drain be enclosed.
- **19 April 1954 by C.G.R. Armstrong, P.Eng.:** The recommended work included the relocation of the Klondyke Drain and Branch from the road allowance to private lands, and incorporating the relocated Branch Drain. The report also recommended four access culverts and a concrete culvert extension.

Lesperance Road Drain West

The recent history of Engineers' reports for the Lesperance Road Drain West as follows:

- **24 November 1989 by Lou Zarlenga, P.Eng.:** The recommended work included enclosing the existing road side ditch along the westerly side of Lesperance Road to its outlet into the Klondyke Drain complete with catch basins and manholes and incorporating the drain under the Drainage Act.

Lesperance Road Drain (East Side)

The recent history of Engineers' reports for the Lesperance Road Drain East as follows:

- **12 September 1969 by C.G.R. Armstrong, P.Eng.:** The recommended work included the construction of an enclosed drain along the east side of Lesperance Road and the enclosure of a portion of the Dame Drain.

Dame & East Branch

The recent history of Engineers' reports for the Dame & East Branch & Extension as follows:

- **6 June 2014 by Don Joudrey, P.Eng.:** A revised Schedule of Assessment under Section 76 of the Act was completed to rectify changes to the Dame Drain drainage area as a result from the Lesperance Road reconstruction in 2003.
- **27 May 1992 by Lou Zarlenga, P. Eng.:** Recommended works included the replacement of the existing Dame Drain with 750 mm diameter concrete sewer pipe, and the construction of a new branch drain on the north side of the road.
- **On-Site Meeting**
- We conducted an on-site meeting on 2 October, 2018. A record of the meeting is provided in Schedule 'A', which is appended hereto.

Survey

The survey for the new drain enclosure was included with the survey work performed for the County Road No. 42 road reconstruction.

Design Considerations

The reconstruction of County Road No. 42 includes construction of storm sewers ranging between 750 mm diameter, 1800 mm diameter concrete pipe and a section of 1465 mm x 2305 mm elliptical pipe to avoid a conflict with the sanitary sewer crossing at Strawberry Drive. We recommend this sewer be incorporated as a municipal drain and be referred to as the County Road No. 42 Drain henceforth. The drainage infrastructure's capacity has been designed to an urban landscape watershed and higher level of service than what is typically provided for agricultural lands. The details are outlined within a stormwater management report within the following section.

The new County Road No. 42 Drain will supplant portions of the municipal drains within the County Road No. 42 road allowance. This includes upstream portions of the St. Louis Drain, Klondyke Drain and Dame Drain, as well as downstream portions of the 11th Concession Drain and Lesperance Road Drain West. A downstream section of the Klondyke Drain south of County Road No. 42 road allowance is proposed to function as an overflow for the County Road No. 42 Drain.

The proposed sewer will replace and redirect the upstream portion of the St. Louis Drain, the portion of the 11th Concession Drain downstream from the 11th Concession Road, as well as portions of the Klondyke Drain & Branch. The drains being replaced all exist within the County Road No. 42 right-of-way. The sewer is also proposed to intercept flows from the Lesperance Road Drain West and from the Dame Drain. We recommend this sewer be incorporated as a municipal drain and be called the County Road No. 42 Drain.

The County Road No. 43 realignment along with the future Tecumseh Hamlet Land Use plan results in the redirection of a portion of the Banwell Road Drain which is within the Desjardins Drain watershed via construction of the Banwell Road Drain South (recommended under a separate report) which will flow to the County Road No. 42 Drain.

It also results in the redirection of a portion of the Soulliere Drain watershed. The Desjardins Drain and Soulliere Drain are tributaries to the Little River Drain and do not drain to the Pike Creek Drain.

Incorporation of the proposed drainage works is considered to fulfil the request by the County of Essex Road Authority to repair and improve the various municipal drains within the County Road No. 42 road allowance and facilitate the reconstruction of the road as well as support the realignment of County Road No. 43.

Stormwater Management Report

A stormwater management report for the County Road No. 42 road reconstruction and County Road No. 43 realignment was completed by Dillon Consulting Limited (September 2021) that details the existing and future drainage conditions within the County Road No. 42 Drain watershed. The study was completed using PCSWMM 2019, which is a modelling interface software used for assessing the rainfall-runoff-routing of stormwater in urban areas.

The stormwater report informed this drainage report and should be referred to for further detail.

County Road No. 42 Drainage

The proposed design strategy for the County Road No. 42 and 43 systems was found to meet the followings standards:

- The storm sewers will safely convey runoff under events up to 1:5 Year, 4 Hour Chicago Design Storm.
- Quality control will provide a “Normal” level of water quality protection, with 70% suspended solids removal before outletting to Pike Creek. The water quality control was sized for the proposed road right-of-way and existing hard surfaces for properties directly fronting the roadways.
- The storm sewer and overland flow network along County Road No. 42 will provide one dry lane in each direction under events up to and including the 1:100 Year, 4 Hour Chicago Design Storm. The County Road No. 43 diversion surface ponding depth will not exceed 0.30 m during the same 1:100-year event.
- The existing drains surrounding the study area will not be negatively affected by the proposed roadway improvements.
- The proposed design takes into consideration the potential for a future development ultimate buildout condition within and outside of the Tecumseh Hamlet Urban Land Use Plan boundaries based on the Town requested design criteria.
- The proposed drainage conveyance and outlet strategy has no negative impact on the Little 10th Concession Drain, Desjardins Drain or Pike Creek Drain.

The proposed stormwater management and conveyance strategy was found to meet or exceed the required design criteria and objectives for future development.

The future development conditions were considered at this time to ensure the new drain was sized appropriately as it will be cost prohibitive to replace and increase the size at a later date.

Pike Creek Outlet Assessment

An outlet assessment was completed as part of a preliminary stormwater management memo for the County Road No. 42 and No. 43 road reconstruction works (Dillon, January 2019), to assess potential affects to the capacity of the Pike Creek Drain. Higher peak flows are anticipated in the Pike Creek Drain due to the higher level of service the drain provides and because of the expanded watershed as a result of the redirection of the St. Louis Drain and Banwell Road Drain and redirection of some lands within the Soulliere Drain watershed. The study found that the peak flow within the County Road No. 42 Drain, at its outlet, is expected to arrive sooner than the peak flow within the Pike Creek Drain at both its confluence with the Klondyke Drain and with the County Road No. 42 Drain. As such, the County Road No. 42 Drain is not expected to adversely impact the existing capacity of the Pike Creek Drain.

Allowances

In accordance with Sections 29 and 30 of the Drainage Act, we do not anticipate any lands being damaged or taken as a result of the proposed drainage works. Any residential properties and grassed areas shall be restored to original conditions as part of the work. Therefore, 'Schedule B' for Allowances has not been included.

Recommendations

We recommend the County Road No. 42 Drain be constructed as described in the stormwater management report authored by Dillon Consulting (2021). The new covered drain shall be constructed generally along the south side of County Road No. 42 from the west limit of the Town of Tecumseh municipal boundary to its outlet into the Pike Creek Drain within Lot 11, Concession 10 in the Municipality of Lakeshore just east of County Road No. 19 (Manning Road). The total length of the covered drain is approximately 3,069 metres.

The County Road No. 42 Drain will supplant various drains within the road allowance and we therefore recommend the following:

- The portion of the St. Louis Drain beginning at its upstream end at the 11th Concession Road to the municipal boundary between the Town of Tecumseh and the City of Windsor is recommended to be abandoned under Section 19 of the Drainage Act following the construction of the County Road No. 42 Drain. The abandoned portion of St. Louis Drain shall be filled in and/or removed. Lands and roads using this portion of the St. Louis Drain will be served by the new County Road No. 42 Drain. Details regarding any modifications to the remaining portion of drain and the assessment of future maintenance of the remaining portion of the St. Louis Drain have been provided in a separate report.
- The downstream portion of the 11th Concession Drain east of 11th Concession Road within the County Road No. 42 right-of-way is recommended to be abandoned under Section 19 of the Drainage Act, and be replaced with the new County Road No. 42 Drain. The abandoned portion of the 11th Concession Drain shall be filled in and/or removed. Lands and roads using this portion of the 11th Concession Drain will be served by the new County Road No. 42 Drain. Recommendations for the connection of the 11th Concession Drain and details regarding the assessment of future maintenance of the remaining upstream portion of the drain have been provided in a separate report.
- A portion of the Klondyke & Branch Drain as shown on the drawings herein is recommended to be abandoned under Section 19 of the Drainage Act as the lands and roads using these portions of drain will be served by the new County Road No. 42 Drain. The abandoned open drain portions of the Klondyke & Branch Drain shall be filled in and the piped drain portions removed. We further recommend that the remaining downstream portion of the Klondyke Drain located south of County Road No. 42 which outlets to the Pike Creek Drain be interconnected with the County Road No. 42 Drain to serve as an overflow. Details regarding new construction to interconnect the drains and for the assessment of future maintenance of the remaining portion of the Klondyke Drain have been provided in a separate report.

- The Lesperance Road Drain West that exists north of County Road No. 42 is recommended to be intercepted by the new County Road No. 42 Drain. The portion of the drain south of County Road No. 42 will no longer serve any lands and will only serve the 12th Concession Road's drainage. We therefore further recommend that this portion of drain be abandoned under Section 19 of the Drainage Act and remain in place, left in the care of the Town of Tecumseh Road Authority. Details regarding the assessment of future maintenance of the remaining northerly portion of the Lesperance Road Drain West have been provided in a separate report.
- The full length of the Dame Drain East Branch will be abandoned under Section 19 of the Drainage Act. Lands and roads previously served by the Dame Drain East Branch shall be served by the new County Road No. 42 Drain. The remaining portion of the Dame Drain from the south limit of County Road No. 42 to its outlet in the Pike Creek Drain will remain a municipal drain and serve only lands using said portion of drain. The upstream end of the remaining pipe shall be terminated with a maintenance hole at the south limit of the road allowance. The maintenance hole will be incorporated as part of the County Road No. 42 Drain. The Dame Drain will be maintained as per the specifications of the 1992 Zarlenga report and assessed as per the 2014 Joudrey Reassessment report.

Lands with frontage along County Road No. 42 shall be provided with private drain connections to the County Road No. 42 Drain. These private drain connections are intended only to provide sufficient capacity to convey peak flows resulting from the 2-year storm event. Excess runoff will either temporarily pond over the lands and/or runoff into the County Road No. 42 right-of-way as overland flow where grading permits it to do so.

Cost Estimate

We recommend that the County Road No. 42 Drain be constructed as described below:

Item	Description	Amount
	<u>STORM SEWER WORK</u>	
1.	Supply and install concrete A257.2 65-D storm sewers, as follows:	
	a) Sta. 0+000 to Sta. 0+537.3 - Supply and install 537.3 m of 1800 mm diameter reinforced concrete pipe.	\$1,884,000.00
	b) Sta. 0+537.3 to Sta. 0+656.3 - Supply and install 119 m of 1465 mm x 2305 mm elliptical reinforced concrete pipe.	\$420,000.00
	c) Sta. 0+656.3 to Sta. 2+352.2 - Supply and install 1,695.9 m of 1800 mm diameter reinforced concrete pipe.	\$5,930,400.00
	d) Sta. 2+352.2 to Sta. 2+502.1 - Supply and install 149.9 m of 1200 mm diameter reinforced concrete pipe.	\$405,000.00
	e) Sta. 2+502.1 to Sta. 2+799.2 - Supply and install 297.1 m of 1050 mm diameter reinforced concrete pipe.	\$685,000.00
	f) Sta. 2+799.2 to Sta. 2+949.2 - Supply and install 150 m of 900 mm diameter reinforced concrete pipe.	\$270,000.00

Item	Description	Amount
	g) Sta. 2+949.2 to Sta. 3+069.3 - Supply and install 120.1 m of 750 mm diameter reinforced concrete pipe.	\$156,000.00
2.	Supply and install concrete storm manholes complete with frame and grate, as follows:	
	a) 1500 mm diameter (1 required)	\$15,000.00
	b) 1500 mm diameter (1 required) complete with cast iron grate and open cover and connect to existing 750 mm diameter concrete pipe. (Dame Drain)	\$15,000.00
	c) 1800 mm diameter (3 required)	\$56,000.00
	d) 2400 mm diameter (1 required)	\$29,700.00
	e) 3000 mm diameter (21 required)	\$924,000.00
	f) 3600 mm diameter (1 required)	\$50,000.00
	g) 3600 mm x 2440 mm (2 required)	\$120,000.00
3.	Supply and install oil and grit separator at approximately Station 0+028. (CDS Hydrodynamic Separator Unit by Contech Model #9280-12-F)	\$390,000.00
4.	Supply and install Pike Creek outfall including clearing and grubbing, headwall, chute blocks and grate, turbidity curtain and temporary coffer dam and stone erosion protection (approximately 550 m ²).	\$122,000.00
5.	Removal of existing private access bridges off-site complete with headwalls (approximately 310 m of 700-900 mm diameter pipes)	\$80,000.00
6.	Clearing and grubbing of existing ditch (11 th Concession Drain) including removal of organic material and topsoil. Filling in of existing drain with benching per OPSD 208.010. <i>Note: Soils used for the filling of the drain shall be handled in accordance with O.Reg 406/19 On-Site and Excess Soils Management</i>	\$75,000.00
7.	Removal of existing 300 mm diameter storm sewer along County Road No. 42 (Dame Drain East Branch) (approximately 225 metres long) complete with catch basins.	\$35,000.00
8.	Removal and disposal of existing twin inlet catch basin manhole on the Dame Drain off-site.	\$2,000.00
9.	Temporary Silt Control Measures During Construction	<u>\$1,200.00</u>
	SUB-TOTAL – EXCLUDING SECTION 26 COSTS	\$11,665,300.00
10.	Survey, Report, Assessment and Final Inspection (cost portion)	\$265,000.00
11.	Expenses and incidentals (cost portion)	<u>\$1,500.00</u>
	TOTAL ESTIMATE – COUNTY ROAD NO. 42 DRAIN	\$11,931,800.00

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 of 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.

Assessment of Costs

The individual assessments are 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 have assessed the estimated costs against the affected lands and roads as listed in Schedule 'C' under "Value of Special Benefit," "Value of Benefit" and "Value of Outlet." Since there is only one Special Benefit assessment, a Details of the Value of Special Benefit is not included herein.

Assessment Rationale

Special Benefit assessment shown in Schedule 'C' were derived as follows:

1. As the proposed works are directly a result of the proposed road reconstruction and realignment, all associated engineering and construction costs for preparation and consideration of this report shall be assessed 100% against the County of Essex.

Utilities

It may become necessary to temporarily or permanently relocate utilities that may conflict with the construction recommended under this report. 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 time, the Municipality will arrange to have this work completed and the costs will be charged to the appropriate public utility.

Future Maintenance (County Road No. 42 Drain Upstream of Klondyke Overflow Drain)

We recommend that future work of repair and maintenance of the County Road No. 42 Drain for the upstream end to the Klondyke Overflow Drain confluence be carried out by the Town of Tecumseh and the costs assessed against the affected lands and roads as described below.

For any costs associated with repairs and/or replacement of the drainage works, these costs are considerably higher than that of maintaining an open drain that is outside of the roadway. For this reason, we recommend 100% of the said costs be assessed against the road authority having jurisdiction of the road allowance for which the County Road No. 42 Drain resides.

For future cleaning costs of the drainage works, we recommend an assessment split of 50% to Benefit and 50% to Outlet respectively to the lands and roads that are upstream of the work. The Schedule 'E-1' has been developed on the basis of an arbitrary cost of \$50,000.00.

Future Maintenance (County Road No. 42 Drain Downstream of Klondyke Overflow Drain)

We recommend that future work of repair and maintenance of the County Road No. 42 Drain for the downstream end from the Klondyke Drain confluence to the outlet into Pike Creek Drain be carried out by the Town of Tecumseh and the costs assessed against the affected lands and roads as described below.

For any costs associated with repairs and/or replacement of the drainage works, these costs are considerably higher than that of maintaining an open drain that is outside of the roadway. For this reason, we recommend 100% of the said costs be assessed against the road authority having jurisdiction of the road allowance for which the County Road No. 42 Drain resides. For future cleaning costs of the drainage works, we recommend an assessment split of 20% to Benefit and 80% to Outlet respectively to the lands and roads that are upstream of the work. The Schedule 'E-2' has been developed on the basis of an arbitrary cost of \$25,000.00.

The private drain connections do not form part of the County Road No. 42 Drain.

The stormwater management report recommended an offline oil-grit separator as part of the works for the stormwater system for the County Road No. 42 road reconstruction for water quality control. This oil-grit separator is considered part of the County Road No. 42 Drain, and the costs of maintenance thereof shall be levied 100% against the County of Essex. Maintenance shall be undertaken by the Town of Tecumseh.

These provisions for maintenance are subject to any other variations that may be made under the authority of the Drainage Act.

Drawings and Specifications

Attached to this report is "Schedule F," which contains specifications setting out the details of the recommended works, and "Schedule G," which represents the following drawings that are also attached to this report:

- Page 1 of 18: Overall Watershed Plan**
- Page 2 of 18: Watershed Plan 1**
- Page 3 of 18: Watershed Plan 2**
- Page 4 of 18: Watershed Plan 3**
- Page 5 of 18: Watershed Plan 4**
- Page 6 of 18: Watershed Plan 5**
- Page 7 of 18: Watershed Plan 6**
- Page 8 of 18: Watershed Plan 7**
- Page 9 of 18: Plan 1 & Profile 1**
- Page 10 of 18: Plan 2 & Profile 2**
- Page 11 of 18: Plan 3 & Profile 3**

Page 12 of 18: Plan 4 & Profile 4
Page 13 of 18: Plan 5 & Profile 5
Page 14 of 18: Plan 6 & Profile 6
Page 15 of 18: Plan 7 & Profile 7
Page 16 of 18: Plan 8 & Profile 8
Page 17 of 18: Plan 9 & Profile 9
Page 18 of 18: Outlet Details



Construction and Design Drawings

The work included in this report will be performed under the contracts for the Reconstruction of County Road No. 42. Drawings and specifications will be prepared for the County Road No. 42 reconstruction, and they must adhere to the new drain grade, alignment, sizes, materials, location and, maintenance holes shown in this drainage report and shall be in general compliance with this report.

Approvals

The construction and/or improvement to a drainage works, including repair and maintenance activities, 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 by the proposed works. The necessary approvals for the recommended works have been acquired from Essex Region Conservation Authority, Department of Fisheries and Oceans and Ministry of Environment, Conservation and Parks. Construction of the works shall be carried out in accordance with all mitigation measures, timing windows, standard practices and other applicable limitations related to in-stream works.

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. In this particular circumstance, the entire cost of the work will be levied against the County of Essex and therefore, none of the assessed cost is eligible for a grant from the Ministry of Agriculture, Food and Rural Affairs, however some properties may be eligible for grant for future maintenance works.

Respectfully submitted,

DILLON CONSULTING LIMITED

Mark D. Hernandez, P.Eng.

MDH:wlb:lld

SCHEDULE 'A'

County Road 42 Drains – Minutes of Onsite Meeting Tuesday October 2, 2018 – Tecumseh Council Chambers

General discussion regarding the Drainage Act

- Provincial Act but it is the responsibility of the municipalities to implement.
- Act is over 100 years old.
- Copy of the Act can be found on E-Laws Ontario Website.
- 'User Pay System' unlike sewers owned by the municipality.
- The process can generally be described as follows:
 - Request submitted
 - Engineer is appointed by the municipality
 - Conservation Authority notified.
 - Site meeting held
 - Field work completed
 - Draft report prepared
 - Public Information Centre (not required by the Act)
 - Report finalized
 - Meeting to Consider
 - Court of Revision
 - Construction (if no appeals)

What is a Municipal Drain?

- Means that the drain has status under a municipal bylaw
- The drain would have been established through the Drainage Act
- The drain will have a report which outlines pertinent information about the drain

What is the purpose of the site meeting in general?

- Gather information
 - Opportunity for landowners to provide feedback about the performance of the drain
 - Opportunity for landowners to comment on the drainage area.
 - Not everyone in attendance may be in the watershed.

What is the nature of the request(s)?

- Request from the County of Essex for 7 drains including:
 - Klondyke Drain
 - Leperance Road West Drain
 - Leperance Road East Drain
 - Dame Drain, Branch and Extension
 - 11th Concession Drain
 - Banwell Drain

- St. Louis Drain
- 5 go to Pike Creek and 2 go to through the City via other drains to Little River
- The County of Essex has retained Dillon Consulting to undertake the design for the reconstruction of County Road 42 from the City/Tecumseh boundary to the Pike Creek and the diversion of County Road 43.
 - The project generally entails widening of the road and the addition of bike lanes and sidewalks.
 - The additional width will affect the municipal drains and is the reason for Dillon's appointment under the Drainage Act.
 - The drains will likely be enclosed but may also be realigned and consolidated, however, the design has not yet been completed.
- Currently our appointment only pertains to how the drains will be impacted by the proposed roadwork
 - We do not intend to look upstream unless the Town receives a request in writing from a landowner.

Who is going to pay and how?

- The assessment will ultimately depend on the scope of work
 - It is anticipated that the County will pay most if not all of the costs
 - Typically, upstream landowners receive a small assessment for the equivalent value of maintaining the drain as it exists today.
 - If the drain is in good condition, then this does not apply.
- The engineer determines the assessment
 - Assessment is detailed in report for each property in the watershed
 - Block assessments are used for built up areas
- Grants are available for properties with Farm Class Tax Rate (1/3)
- The Municipality will bill the landowners after the work is complete for their net assessment

What should I expect in the report?

- All landowners receive copies of the draft report with their notice for the PIC, Meeting to Consider and Court of Revision
- Reports generally contain:
 - Background information about the request
 - Watershed drawing
 - History of the drain
 - Design considerations
 - Recommended work
 - Cost estimate
 - Meeting minutes
 - Assessments including FM provisions
 - Drawings
 - Specifications

How landowners will be affected during Construction

- Typically, only landowners along the drain affected by construction
 - Working corridors are defined in the report
- Work must result in the same or better level of service
- The quality of work is typically monitored during construction by the Drainage Superintendent
 - The Engineer is required to complete a final inspection

Environmental requirements

- DFO, MNRF and ERCA

Next Steps

- Topographical survey will be completed and then the preparation of the report will commence
- PIC
- Board meetings

Discussion:

- 1) Concern with respect to flooding – New drain will have to meet established level of service.
- 2) The scope of work cannot go upstream on an existing drain unless specifically requested by a landowner.
- 3) Town owned storm sewers are managed through Public Works.
- 4) Existing ditches will be cleaned out and enclosed.
- 5) Any new subdivision will have to manage their stormwater with a pond and/or other measures. They will not be allowed to release their flows with no controls.
- 6) The value of the work is not yet known. The request comes from the County to undertake the road improvements.
- 7) New pipes cannot be sized for major storm events as it would be cost prohibitive. Pre and post ponding will be reviewed during design.
- 8) The improvements to Pike Creek are being undertaken via a separate appointment and is unrelated to the County's request.
- 9) The new storm sewer will be under the improved / widened roadway.
- 10) The timing for the improvements will depend on the County's phasing and timing for the road improvements.
- 11) It is not clear whether drainage improvements could result in MPAC assessment changes.
- 12) Landowners can send additional questions at a later date via email or phone call.

"SCHEDULE C"
SCHEDULE OF ASSESSMENT
COUNTY ROAD NO. 42 DRAIN
TOWN OF TECUMSEH, CITY OF WINDSOR & MUNICIPALITY OF LAKESHORE

MUNICIPAL LANDS:

Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
County Road No. 42	0.00	0.00	County of Essex	\$11,931,800.00	\$0.00	\$0.00	\$11,931,800.00
Total on Municipal Lands.....				\$11,931,800.00	\$0.00	\$0.00	\$11,931,800.00
TOTAL ASSESSMENT				\$11,931,800.00	\$0.00	\$0.00	\$11,931,800.00

"SCHEDULE E-1"
SCHEDULE OF ASSESSMENT FOR FUTURE MAINTENANCE
COUNTY ROAD NO. 42 DRAIN (UPSTREAM OF KLONDYKE OVERFLOW DRAIN CONFLUENCE)
TOWN OF TECUMSEH, CITY OF WINDSOR & MUNICIPALITY OF LAKESHORE

TOWN OF TECUMSEH

MUNICIPAL LANDS:

Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
County Road No. 43 (Banwell Road)	7.63	3.09 *	County of Essex	\$0.00	\$854.00	\$1,201.00	\$2,055.00
County Road No. 43 (11th Concession Road)	4.67	1.89 *	County of Essex	\$0.00	\$547.00	\$735.00	\$1,282.00
County Road No. 42	13.25	5.36 *	County of Essex	\$0.00	\$7,005.00	\$2,087.00	\$9,092.00
Odessa Drive	1.00	0.40 *	Town of Tecumseh	\$0.00	\$180.00	\$155.00	\$335.00
560-05500	7.00	2.83 *	County of Essex	\$0.00	\$818.00	\$880.00	\$1,698.00
570-32801	0.05	0.02 *	Town of Tecumseh	\$0.00	\$27.00	\$5.00	\$32.00
Leboeuf Avenue	1.62	0.66 *	Town of Tecumseh	\$0.00	\$247.00	\$257.00	\$504.00
Jillian Court	0.37	0.15	Town of Tecumseh	\$0.00	\$0.00	\$58.00	\$58.00
560-03516	0.13	0.05	County of Essex	\$0.00	\$0.00	\$4.00	\$4.00
580-00300	6.37	2.58 *	County of Essex	\$0.00	\$904.00	\$1,003.00	\$1,907.00
Total on Municipal Lands.....				\$0.00	\$10,582.00	\$6,385.00	\$16,967.00

PRIVATELY-OWNED - NON-AGRICULTURAL LANDS:

Roll No.	Con.	Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
560-02900	10	S. Pt. Lot 19	9.00	3.64 *	Dupuis Trucking & Landscaping	\$0.00	\$816.00	\$849.00	\$1,665.00
560-03000	10	S. Pt. Lot 19	0.59	0.24 *	Richard & Jacquelyn Hillock	\$0.00	\$109.00	\$52.00	\$161.00
560-03200	10	S. Pt. Lot 19	8.02	3.25 *	Raymond Pittao	\$0.00	\$386.00	\$253.00	\$639.00
560-03300	10	S. Pt. Lot 19	8.02	3.25 *	Taijinder S. & Hardish K. Dhanju	\$0.00	\$366.00	\$253.00	\$619.00
560-03400	10	Pt. Lot 19	8.02	3.25 *	Marie C. Mogyorodi	\$0.00	\$362.00	\$253.00	\$615.00
560-03500	10	Pt. Lot 19 RP12R25489 Pt. 7	27.73	11.22 *	1000059455 Ontario Inc.	\$0.00	\$959.00	\$872.00	\$1,831.00
560-03501	10	Pt. Lot 19 RP12R18067	0.95	0.38 *	Marc A. Lafreniere & Mila Nerizon-Andot	\$0.00	\$142.00	\$62.00	\$204.00
560-03506	10	Pt. Gore Lot 19 RP12R10865 Pts. 1&6	0.40	0.16	Christopher B. & Sherri-Lynn A. Roberts	\$0.00	\$0.00	\$37.00	\$37.00
560-03507	10	Pt. Gore Lot 19 RP12R10865 Pts. 2&7	0.23	0.09	Shelly Hodare	\$0.00	\$0.00	\$21.00	\$21.00
560-03508	10	Pt. Gore Lot 19 RP12R10865 Pts. 3&8	0.23	0.09	Catherine J. Urban	\$0.00	\$0.00	\$21.00	\$21.00
560-03509	10	Pt. Gore Lot 19 RP12R10865 Pts. 4&9	0.23	0.09	Danny & Alana McIntyre	\$0.00	\$0.00	\$21.00	\$21.00
560-03510	10	Pt. Gore Lot 19 RP 12R10865 Pts. 5&10	0.23	0.09	Luminita & Laurentiu R. Vasu	\$0.00	\$0.00	\$21.00	\$21.00
560-03511	10	Pt. Lot 19 RP12R25489 Pt. 2	0.26	0.11	David Orchard & Hannah Bradley	\$0.00	\$0.00	\$26.00	\$26.00
560-03524	10	Pt. Lot 19 RP12R25489 Pt. 1	0.28	0.11	Dana & Danny Azar	\$0.00	\$0.00	\$26.00	\$26.00
560-03525	10	Pt. Lot 19 RP12R25489 Pt. 3	0.25	0.10	Dana & Danny Azar	\$0.00	\$0.00	\$23.00	\$23.00
560-03526	10	Pt. Lot 19 RP12R25489 Pt. 4	0.39	0.16	Dana & Danny Azar	\$0.00	\$0.00	\$37.00	\$37.00
560-04001	11	Pt. Lot 17	1.00	0.40	Jamie Balkwill	\$0.00	\$0.00	\$62.00	\$62.00
560-04005	11	Pt. Lot 17	2.93	1.19	Jamie A. & Corey Balkwill	\$0.00	\$0.00	\$94.00	\$94.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
560-04120	11	Pt. Lot 17 RP12R17414 Pt. 1	0.72	0.29	Scott Mackenzie	\$0.00	\$0.00	\$57.00	\$57.00
560-04200	11	S. Pt. Lot 18 RP12R4040 Pt. 5	1.00	0.40	Thuan Huynh & Khanh Pham	\$0.00	\$0.00	\$62.00	\$62.00
560-04201	11	Pt. Lot 18 RP12R4040 Pt. 6	1.00	0.40	Ridvan Ciellza	\$0.00	\$0.00	\$62.00	\$62.00
560-04300	11	S. Pt. Lot 18 RP12R5571 Pt. 2	0.18	0.07	Kirandeep & Harjinder Cheema	\$0.00	\$0.00	\$16.00	\$16.00
560-04303	11	W. Pt. Lot 18	1.00	0.40	Pierino & Pierina Civitillo	\$0.00	\$0.00	\$62.00	\$62.00
560-04420	11	Pt. Lot 18 RP12R24711 Pt.	1.04	0.42	Christine M. Nostadt	\$0.00	\$0.00	\$64.00	\$64.00
560-04450	11	Pt. Lot 18 RP12R10224 Pt. 1	0.50	0.20	Deborah Tracey	\$0.00	\$0.00	\$47.00	\$47.00
560-04501	11	Pt. Lot 19 RP12R4040 Pt. 1	0.69	0.28	Brian & Elisa Houston	\$0.00	\$0.00	\$57.00	\$57.00
560-04600	11	N. Pt. Lot 19	0.60	0.24	Robert McArthur & Madeleine Blais	\$0.00	\$0.00	\$52.00	\$52.00
560-04700	11	N. Pt. Lot 19 RP12R3925 Pt. 2	0.56	0.23 *	Arvind Jain	\$0.00	\$81.00	\$51.00	\$132.00
560-04701	11	Pt. Lot 19 RP12R6164 Pt. 2	0.32	0.13 *	Dmitar & Susan Veresuk	\$0.00	\$66.00	\$30.00	\$96.00
560-04702	11	Pt. Lot 19 RP12R6164 Pt. 3	0.50	0.20 *	Michelle A. Desjardins	\$0.00	\$78.00	\$47.00	\$125.00
560-04800	11	Pt. Lot 19 RP12R5602 Pt. 2	0.89	0.36 *	Lionel J. & Gail M. Baillargeon	\$0.00	\$110.00	\$62.00	\$172.00
560-04810	11	Pt. Lot 19 RP12R8619 Pt. 1	0.89	0.36 *	Gail M. Baillargeon	\$0.00	\$139.00	\$62.00	\$201.00
560-04900	11	Pt. Lot 19	0.82	0.33 *	Rupinderpal S. Sidhu & Sarabjit S. Sandhu	\$0.00	\$115.00	\$60.00	\$175.00
560-05000	11	Pt. Lot 19	2.49	1.01 *	2177219 Ontario Inc.	\$0.00	\$390.00	\$236.00	\$626.00
560-05100	11	Pt. Lot 19 RP12R9328	2.39	0.97 *	2177219 Ontario Inc.	\$0.00	\$251.00	\$226.00	\$477.00
560-05109	11	Pt. Lot 19 RP12R9470	0.99	0.40 *	1627093 Ontario Ltd.	\$0.00	\$151.00	\$124.00	\$275.00
560-05207	11	Pt. Lot 19 RP12R9470	3.06	1.24 *	1830022 Ontario Inc.	\$0.00	\$326.00	\$289.00	\$615.00
560-05210	11	Pt. Lot 19 & 20 RP12R4646 Pt. 1 RP12R14113 Pt. 1	2.54	1.03 *	Delta Holdings Inc.	\$0.00	\$270.00	\$240.00	\$510.00
560-05302	11	Pt. Lot 19&20 RP12R5167 Pt. 1	0.86	0.35 *	Quad T. Developments Inc.	\$0.00	\$134.00	\$109.00	\$243.00
560-05310	11	Pt. Lots 19&20 RP12R14425 Pt. 2	0.74	0.30 *	1501759 Ontario Inc.	\$0.00	\$121.00	\$70.00	\$191.00
560-05311	11	Pt. Lots 19&20 RP12R6451 Pt. 10	0.61	0.25 *	Michael Silversen	\$0.00	\$111.00	\$78.00	\$189.00
560-05320	11	Pt. Lot 19&20 RP12R14425 Pt. 1	0.74	0.30 *	Giuseppa Piptone	\$0.00	\$121.00	\$70.00	\$191.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
560-05400	11	Pt. Lot 19 to 20 EPT	5.28	2.14 *	Chase Transportation & Logistics Ltd.	\$0.00	\$520.00	\$499.00	\$1,019.00
560-05600	-	Plan 12M333 Blk 96	1.39	0.56	1000038843 Ontario Inc.	\$0.00	\$0.00	\$71.00	\$71.00
570-14500	-	Pt. Lots 236&237 Pt. Blk A	0.24	0.10	David A. Newcombe	\$0.00	\$0.00	\$23.00	\$23.00
570-14600	-	Plan 1380 Pt. Blk A	0.24	0.10	David N. & Mabel J. Desrosiers	\$0.00	\$0.00	\$23.00	\$23.00
570-14700	3	Plan 1380 Pt. Blk A	0.24	0.10	Baldip & Daljit Sandhar	\$0.00	\$0.00	\$23.00	\$23.00
570-14800	3	Plan 1380 Pt. Blk A	0.24	0.10	Jerry Sagat & Yan Hao	\$0.00	\$0.00	\$23.00	\$23.00
570-14900	3	Lot 151 RP12R19655 Pts. 14&15	0.27	0.11	Jerry Sagat & Yan Hao	\$0.00	\$0.00	\$26.00	\$26.00
570-14901	3	Pt. Lot 151 RP12R19655 Pts. 12&13	0.27	0.11	John & Laura Levinsky	\$0.00	\$0.00	\$26.00	\$26.00
570-14902	3	Pt. Lot 151 RP12R19655 Pts. 10&11	0.41	0.17	Eric C. & Michelle L. Girard	\$0.00	\$0.00	\$40.00	\$40.00
570-14903	3	Pt. Lot 151 RP12R19655 Pts. 8&9	0.26	0.11	Vincent & Janeth Boyd	\$0.00	\$0.00	\$26.00	\$26.00
570-14904	3	Pt. Lot 151 RP12R19655 Pts. 6&7	0.42	0.17	Zelko Rezler & Mary Kristo-Resler	\$0.00	\$0.00	\$40.00	\$40.00
570-14905	3	Pt. Lot 151 RP12R19655 Pts. 4&5	0.25	0.10	Tomy J. & Paulette Jagatic	\$0.00	\$0.00	\$23.00	\$23.00
570-14906	3	Pt. Lot 151 RP12R19655 Pts. 2&3	0.23	0.09	Eric & Sandra J. Godin	\$0.00	\$0.00	\$21.00	\$21.00
570-15000	3	Plan 1380 Pt. Blk B	0.22	0.09	John D. & Patricia M. Levesque	\$0.00	\$0.00	\$21.00	\$21.00
570-15100	3	Pt. Lot 151 RP12R3619 Pt. 1	0.23	0.09	Patrick D. & Linda Kennedy	\$0.00	\$0.00	\$21.00	\$21.00
570-15200	-	Plan 1380 Pt. Blk B RP12R9006 Pts. 1&2	0.39	0.16	Ronald E. Delisle	\$0.00	\$0.00	\$37.00	\$37.00
570-15300	-	Plan 1380 Pt. Blk B RP12R7285 Pt. 1	0.41	0.17	Palko & Mirjana Kohut	\$0.00	\$0.00	\$40.00	\$40.00
570-15400	-	Plan 1380 Pt. Blk B	0.25	0.10	Sharon L. McDearmid	\$0.00	\$0.00	\$23.00	\$23.00
570-15500	-	Plan 1380 Pt. Blk B	0.23	0.09	Victoria A. Muldoon	\$0.00	\$0.00	\$21.00	\$21.00
570-15600	-	Plan 1380 Pt. Blk B	0.23	0.09	Gregory D. Renaud	\$0.00	\$0.00	\$21.00	\$21.00
570-32000	-	Plan 1380 Lots 64-75 Lots 105 to 116, 210-221 Pt Lots 63, 117, 209	5.25	2.12	Windsor-Essex Catholic District School Board	\$0.00	\$0.00	\$659.00	\$659.00
570-32002	-	Plan 1380 Lots 57-62 Lots 118- 123 Lots 203- 208 Pt Lots 63,117,209 Pt. Blk E	2.73	1.10	Extencicare (Canada) Inc.	\$0.00	\$0.00	\$342.00	\$342.00

Roll No.	Con.	Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
570-32100	-	Plan 1380 Lots 222&223 RP12R12345 Pt. 1	0.24	0.10	Sharren Paquin	\$0.00	\$0.00	\$23.00	\$23.00
570-32300	-	Plan 1380 Lots 224&225 RP12R12345 Pt. 3	0.24	0.10	Shelley L. Beno	\$0.00	\$0.00	\$23.00	\$23.00
570-32500	-	Plan 1380 Lots 226&227 RP12R12345 Pt. 5	0.24	0.10	Connor Rumfeldt & Caterina Augimeri	\$0.00	\$0.00	\$23.00	\$23.00
570-32600	-	Plan 1380 Lot 228 Lot 229 RP12R12345 Pt. 6	0.24	0.10	Joseph P. & Janice M. Labreche	\$0.00	\$0.00	\$23.00	\$23.00
570-32700	-	Plan 1380 Lots 230 & 231	0.24	0.10	John B. Mailloux	\$0.00	\$0.00	\$23.00	\$23.00
570-32800	-	Plan 1380 Lot 232 RP12R12345 Pts. 10&11	0.17	0.07	Cheryl M. & Michael Todd	\$0.00	\$0.00	\$16.00	\$16.00
570-32900	-	Plan 1380 Lot 233 Pt. Lots 234&235 RP12R2299 Pts. 2&3 RP12R12345 Pt. 12	0.26	0.11	Houman & Fatemeh Jafarnia	\$0.00	\$0.00	\$26.00	\$26.00
570-33000	-	Plan 1380 Pt. Lots 91-94 RP12R22747 Pt. 2	0.23	0.09	Susan A. Knight	\$0.00	\$0.00	\$21.00	\$21.00
570-33100	-	Plan 1380 Pt. Lots 90,91&94 RP12R22747 Pt. 3	0.23	0.09	Community Living Essex County	\$0.00	\$0.00	\$21.00	\$21.00
570-33200	-	Plan 1380 Lot 95 Pt. Lot 94 RP12R22747 Pt. 1	0.26	0.11	George C. Copeland	\$0.00	\$0.00	\$26.00	\$26.00
570-33300	3	Plan 1380 Lot 96 Pt. Lot 97 RP12R18192 Pt. 14	0.22	0.09	Joseph & Maria Conflitti	\$0.00	\$0.00	\$21.00	\$21.00
570-33350	-	Plan 1380 Lot 98 Pt. Lots 97&99 RP12R18192 Pt. 13	0.22	0.09	Miroljub & Branislava Zagorac	\$0.00	\$0.00	\$21.00	\$21.00
570-33400	-	Plan 1380 Lot 100 Pt. Lots 99&101 RP12R18192 Pt. 12	0.22	0.09	Naci Kurt	\$0.00	\$0.00	\$21.00	\$21.00
570-33450	-	Plan 1380 Lot 102 Pt. Lots 101&103 RP18192 Pt. 11	0.22	0.09	Roxanna E. Sarkis	\$0.00	\$0.00	\$21.00	\$21.00
570-33500	-	Plan 1380 Pt. Lots 103&104 RP12R18192 Pt. 10	0.22	0.09	John J. Smith & Karen Loebach- Smith	\$0.00	\$0.00	\$21.00	\$21.00

Roll No.	Con.	Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
570-33700	-	Plan 1380 Lot 76 Pt. Lot 77 RP12R18192 Pt. 9	0.19	0.08	Rudy A. & Elizabeth J. Viale	\$0.00	\$0.00	\$19.00	\$19.00
570-33710	-	Plan 1380 Lot 78 Pt. Lots 77&79 RP12R18192 Pt. 8	0.19	0.08	Luc M. Gagnon	\$0.00	\$0.00	\$19.00	\$19.00
570-33720	-	Plan 1380 Pt. Lots 79&80 RP12R18192 Pt. 7	0.19	0.08	Stacey A. Bennett	\$0.00	\$0.00	\$19.00	\$19.00
570-33730	-	Plan 1380 Lot 81 Pt. Lots 80&82 RP12R18192 Pt. 6	0.19	0.08	Milan & Svetlana Spanovic	\$0.00	\$0.00	\$19.00	\$19.00
570-33740	-	Plan 1380 Pt. Lots 82&83 RP12R18192 Pt. 5	0.19	0.08	Justin Firor & Kaylee Brown	\$0.00	\$0.00	\$19.00	\$19.00
570-33750	-	Plan 1380 Lot 84 Pt. Lots 83&85RP 12R18192 Pt. 4	0.19	0.08	Ivan & Barka Kristo	\$0.00	\$0.00	\$19.00	\$19.00
570-33760	-	Plan 1380 Pt. Lots 85&86 RP12R8192 Pt. 3	0.19	0.08	Joseph L. & Joy E. Goyeau	\$0.00	\$0.00	\$19.00	\$19.00
570-33770	-	Plan 1380 Pt. Lots 86-89 RP12R18192 Pt. 2	0.19	0.08	Susanne V. & Michael V. Matteis	\$0.00	\$0.00	\$19.00	\$19.00
570-33800	-	Plan 1380 Pt. Lots 87-89 RP12R18192 Pt. 1	0.25	0.10	Elon & Norma Clemmings	\$0.00	\$0.00	\$23.00	\$23.00
570-34001	3	Pt. Lot 149 RP12R4568 Pts. 1&2	9.03	3.65 *	Vince Mocerri Holdings Inc.	\$0.00	\$936.00	\$851.00	\$1,787.00
570-34010	3	Pt. Lot 148 RP12R12127 Pt. 4	0.84	0.34 *	Cappellino Holdings Inc.	\$0.00	\$197.00	\$106.00	\$303.00
570-34012	2	Pt. Lot 148 RP12R12127 Pt. 5	0.88	0.36	486646 Ontario Ltd.	\$0.00	\$0.00	\$112.00	\$112.00
570-34014	3	Pt. Lot 148 RP12R12127 Pt. 6	0.88	0.36	1185696 Ontario Ltd.	\$0.00	\$0.00	\$112.00	\$112.00
570-34056	3	Pt. Lot 148 RP12R12127 Pt. 3	0.88	0.36	Sylvio Lesperance Jr.	\$0.00	\$0.00	\$112.00	\$112.00
570-34058	3	Pt. Lot 148 RP12R12127 Pt. 2	0.88	0.36	Bettermade Cabinets Inc.	\$0.00	\$0.00	\$112.00	\$112.00
570-34060	3	Pt. Lot 148 RP12R12127 Pt. 1	0.84	0.34 *	Dominant Realty Inc.	\$0.00	\$179.00	\$79.00	\$258.00
570-34200	3	S. Pt. Lots 144- 146	2.02	0.82 *	679637 Ontario Ltd.	\$0.00	\$308.00	\$255.00	\$563.00
570-34201	3	S. Pt. Lot 146 RP12R10386 Pt. 1	1.07	0.43 *	2072530 Ontario Ltd.	\$0.00	\$163.00	\$134.00	\$297.00

Roll No.	Con.	Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
570-34202	3	S. Pt. Lot 146 RP12R10386 Pt. 2	1.07	0.43 *	Venture 4 Ltd.	\$0.00	\$163.00	\$134.00	\$297.00
570-34203	3	Pt. S. Pt. Lot 146 RP12R7712 Pt. 1	0.92	0.37 *	1318895 Ontario Ltd.	\$0.00	\$140.00	\$115.00	\$255.00
570-34205	3	Pt. Lots 144,145&146 RP9880 Pt. 2	2.37	0.96 *	Rajason Associates Inc.	\$0.00	\$362.00	\$299.00	\$661.00
570-34207	3	Pt. Lots 144&145 RP9880 Pt. 1	0.89	0.36 *	Gaudet's Holding Company Ltd.	\$0.00	\$136.00	\$112.00	\$248.00
570-34300	3	Pt. Lots 144-146 RP12R23680 Pts. 1,3&11-15	2.10	0.85	1000044993 Ontario Inc.	\$0.00	\$0.00	\$81.00	\$81.00
570-34310	3	Pt. Lot 144 RP10317 Pt. 1	1.83	0.74 *	DTSY Investments Inc.	\$0.00	\$279.00	\$230.00	\$509.00
580-00100	-	Plan 65 Pt. Lot A RP12R8316 Pt. 4	0.29	0.12 *	William J. Toth & Doreen E. Hynes	\$0.00	\$65.00	\$28.00	\$93.00
580-00101	-	Plan 65 Pt. Lot A RP12R8316 Pt. 3	0.24	0.10 *	John E. Lachowicz	\$0.00	\$54.00	\$23.00	\$77.00
580-00110	3	Plan 65 Pt. Lot 1 & Pt. Lot A RP12R6076 Pt. 3	0.59	0.24 *	Binh H. Luong & Ling S. Lin	\$0.00	\$83.00	\$52.00	\$135.00
580-00200	3	PL 65 Pt. Lot 1 RP12R6076 Pt. 2	0.62	0.25 *	Jon M. & Patricia A. Grubisich	\$0.00	\$88.00	\$53.00	\$141.00
580-00201	3	PL 65 Pt. Lot 1 RP12R6076 Pt. 1	0.59	0.24 *	Wanda Johnston	\$0.00	\$83.00	\$52.00	\$135.00
580-00202	3	Plan 65 Pt. Lot 1 Pt Lot A RP12R4377 Pt. 2	0.60	0.24 *	Faize O. Antwan	\$0.00	\$83.00	\$52.00	\$135.00
580-00203	3	Pt. Lot 1 Plan 65 Pt. Lot A RP12R4377 Pt. 1	0.60	0.24 *	Vittorio Rotondi	\$0.00	\$85.00	\$52.00	\$137.00
580-00204	3	Plan 65 Pt. Lot 1 Pt. BLK A RP12R11482 Pt. 1	1.43	0.58 *	Tilda Zanet	\$0.00	\$214.00	\$135.00	\$349.00
580-00500	3	S. Pt. Lot 142 Plan 65 Pt. Lot 1&A	1.00	0.40 *	Rami Dawoud	\$0.00	\$143.00	\$93.00	\$236.00
580-00550	3	Pt. Lot 141 RP12R10914 Pt. 1	0.47	0.19 *	Mark Charette & Tricia Hunter	\$0.00	\$91.00	\$44.00	\$135.00
580-05400	3	Plan 65 Lot 3 & Pt Lots 1,2&4	17.30	7.00	1000227395 Ontario Ltd.	\$0.00	\$0.00	\$544.00	\$544.00
580-05500	3	Plan 65 Pt. Lot 2	0.34	0.14	Mirna Khozmy	\$0.00	\$0.00	\$33.00	\$33.00
580-05600	3	S. Pt. Lot 143	1.00	0.40	Carl G. & Karen Baillargeon	\$0.00	\$0.00	\$62.00	\$62.00
580-05602	3	Plan 65 Pt. Lot 1	0.47	0.19	Marc T. & Carole M. Whaling	\$0.00	\$0.00	\$44.00	\$44.00
580-05700	3	Plan 65 Pt. Lot 1 RP12R8397 Pt. 2	0.53	0.21	Peter & Nicole Catterson	\$0.00	\$0.00	\$48.00	\$48.00

Roll No.	Con.	Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
580-05800	-	Plan 65 Pt. Lot 1 RP12R8316 Pt. 1	0.23	0.09	Isfendiyar & Canan Ozcan	\$0.00	\$0.00	\$21.00	\$21.00
580-05802	-	Plan 65 Pt. Lot 1&A RP12R8316 Pt. 2	0.23	0.09	John S. & Linda K. Trella	\$0.00	\$0.00	\$21.00	\$21.00
Total on Privately-Owned - Non-Agricultural Lands.....						\$0.00	\$9,976.00	\$11,971.00	\$21,947.00

PRIVATELY-OWNED - AGRICULTURAL LANDS (GRANTABLE)

Roll No.	Con.	Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
560-04100	11	N. Pt. Lot 17	5.28	2.14	Kevin & Lorrie L. MacKenzie	\$0.00	\$0.00	\$166.00	\$166.00
560-04170	11	Pt. Lot 18 RP12R4040 Pt. 7	2.12	0.86	Janet E. Lavin	\$0.00	\$0.00	\$67.00	\$67.00
560-04400	11	W. Pt. Lot 18 RP12R5571 Pt. Pt. 1	7.28	2.95	Deborah Tracey	\$0.00	\$0.00	\$229.00	\$229.00
560-04500	11	N. Pt. Lot 18 RP124040 Pt. 2	20.00	8.09	Pierina Civitillo & Anna Shahbazi	\$0.00	\$0.00	\$1,887.00	\$1,887.00
570-34000	3	Pt. Lot 148 RP12R1772 Pts. 1&2	6.00	2.43	2041235 Ontario Ltd.	\$0.00	\$0.00	\$189.00	\$189.00
560-05200	11	Lots 18&19 RP12R13048 Pt. 1 RP 12R26775	15.37	6.22 *	James Sylvestre Development Ltd.	\$0.00	\$1,038.00	\$1,451.00	\$2,489.00
560-05300	11	Pt. Lots 19&20 RP12R26417 Pt. 1	6.32	2.56 *	851381 Ontario Ltd.	\$0.00	\$488.00	\$597.00	\$1,085.00
570-34100	3	Pt. Lot 147	11.81	4.78 *	Clement & Eugene C. Lachance	\$0.00	\$1,118.00	\$1,115.00	\$2,233.00
Total on Privately-Owned - Agricultural Lands (Grantable).....						\$0.00	\$2,644.00	\$5,701.00	\$8,345.00

TOTAL ASSESSMENT (Town of Tecumseh) **\$0.00 \$23,202.00 \$24,057.00 \$47,259.00**

(Acres) (Ha.)

Total Area: 288.09 116.62

CITY OF WINDSOR

MUNICIPAL LANDS:

Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
Urban Block Assessment Lands	20.00	8.09 *	City of Windsor	\$0.00	\$1,798.00	\$943.00	\$2,741.00
Total on Privately-Owned - Municipal Lands.....				\$0.00	\$1,798.00	\$943.00	\$2,741.00

TOTAL ASSESSMENT (City of Windsor) **\$0.00 \$1,798.00 \$943.00 \$2,741.00**

(Acres) (Ha.)

Total Area: 20.00 8.09

OVERALL TOTAL ASSESSMENT **\$0.00 \$25,000.00 \$25,000.00 \$50,000.00**

(Acres) (Ha.)

Total Area: 308.09 124.71

* denotes Benefit Assessment lands fronting County Road No. 42

"SCHEDULE E-2"
SCHEDULE OF ASSESSMENT FOR FUTURE MAINTENANCE
COUNTY ROAD NO. 42 DRAIN (DOWNSTREAM OF KLONDYKE OVERFLOW DRAIN CONFLUENCE)
TOWN OF TECUMSEH, CITY OF WINDSOR & MUNICIPALITY OF LAKESHORE

TOWN OF TECUMSEH

MUNICIPAL LANDS:

Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
County Road No. 43 (Banwell Road)	7.63	3.09	County of Essex	\$0.00	\$0.00	\$648.00	\$648.00
County Road No. 43 (11th Concession Road)	4.67	1.89	County of Essex	\$0.00	\$0.00	\$396.00	\$396.00
County Road No. 42	19.00	7.69 *	County of Essex	\$0.00	\$2,638.00	\$1,584.00	\$4,222.00
County Road No. 19 (Manning Road)	0.40	0.16 *	County of Essex	\$0.00	\$57.00	\$34.00	\$91.00
12th Concession Road	0.40	0.16	County of Essex	\$0.00	\$0.00	\$34.00	\$34.00
Odessa Drive	1.00	0.40	Town of Tecumseh	\$0.00	\$0.00	\$84.00	\$84.00
560-05500	7.00	2.83	County of Essex	\$0.00	\$0.00	\$475.00	\$475.00
570-32801	0.05	0.02	Town of Tecumseh	\$0.00	\$0.00	\$3.00	\$3.00
Leboeuf Avenue	1.62	0.66	Town of Tecumseh	\$0.00	\$0.00	\$138.00	\$138.00
Jillian Court	0.37	0.15	Town of Tecumseh	\$0.00	\$0.00	\$31.00	\$31.00
St. Alphonse Street	2.11	0.85 *	Town of Tecumseh	\$0.00	\$134.00	\$178.00	\$312.00
Holmes Crescent	0.85	0.34	Town of Tecumseh	\$0.00	\$0.00	\$71.00	\$71.00
Docherty Drive	2.12	0.86	Town of Tecumseh	\$0.00	\$0.00	\$180.00	\$180.00
Lesperance Road	5.16	2.09 *	Town of Tecumseh	\$0.00	\$336.00	\$438.00	\$774.00
Blueberry Court	0.40	0.16	Town of Tecumseh	\$0.00	\$0.00	\$34.00	\$34.00
Elderberry Court	1.68	0.68	Town of Tecumseh	\$0.00	\$0.00	\$143.00	\$143.00
Strawberry Drive	2.90	1.17 *	Town of Tecumseh	\$0.00	\$191.00	\$245.00	\$436.00
Wildberry Crescent	2.90	1.17	Town of Tecumseh	\$0.00	\$0.00	\$245.00	\$245.00
Shields Street	2.53	1.02	Town of Tecumseh	\$0.00	\$0.00	\$214.00	\$214.00
560-03516	0.13	0.05	County of Essex	\$0.00	\$0.00	\$2.00	\$2.00
570-00760	0.83	0.34	Town of Tecumseh	\$0.00	\$0.00	\$14.00	\$14.00
570-00692	0.07	0.03	Town of Tecumseh	\$0.00	\$0.00	\$1.00	\$1.00
570-00696	0.02	0.01	Town of Tecumseh	\$0.00	\$0.00	\$1.00	\$1.00
580-00300	6.98	2.82	County of Essex	\$0.00	\$0.00	\$591.00	\$591.00
Total on Municipal Lands.....				\$0.00	\$3,356.00	\$5,784.00	\$9,140.00

PRIVATELY-OWNED - NON-AGRICULTURAL LANDS:

Roll No.	Con.	Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
560-02900	10	S. Pt. Lot 19	9.00	3.64	Dupuis Trucking & Landscaping	\$0.00	\$0.00	\$458.00	\$458.00
560-03000	10	S. Pt. Lot 19	0.59	0.24	Richard & Jacquelyn Hillock	\$0.00	\$0.00	\$28.00	\$28.00
560-03200	10	S. Pt. Lot 19	8.02	3.25	Raymond Pittao	\$0.00	\$0.00	\$136.00	\$136.00
560-03300	10	S. Pt. Lot 19	8.02	3.25	Taijinder S. & Hardish K. Dhanju	\$0.00	\$0.00	\$136.00	\$136.00
560-03400	10	S. Pt. Lot 19	8.02	3.25	Marie C. Mogyorodi	\$0.00	\$0.00	\$136.00	\$136.00
560-03500	10	Pt. Lot 19 RP12R25489 Pt. 7	27.73	11.22	1000059455 Ontario Inc.	\$0.00	\$0.00	\$470.00	\$470.00
560-03501	10	Pt. Lot 19 RP12R18067	0.95	0.38	Marc A. Lafreniere & Mila Nerizon- Andot	\$0.00	\$0.00	\$33.00	\$33.00
560-03506	10	Pt. Gore Lot 19 RP12R10865 Pts. 1&6	0.40	0.16	Christopher B. & Sherri-Lynn A. Roberts	\$0.00	\$0.00	\$20.00	\$20.00
560-03507	10	Pt. Gore Lot 19 RP12R10865 Pts. 2&7	0.23	0.09	Shelly Hodare	\$0.00	\$0.00	\$11.00	\$11.00
560-03508	10	Pt. Gore Lot 19 RP12R10865 Pts. 3&8	0.23	0.09	Catherine J. Urban	\$0.00	\$0.00	\$11.00	\$11.00
560-03509	10	Pt. Gore Lot 19 RP12R10865 Pts. 4&9	0.23	0.09	Danny & Alana McIntyre	\$0.00	\$0.00	\$11.00	\$11.00
560-03510	10	Pt. Gore Lot 19 RP 12R10865 Pts. 5&10	0.23	0.09	Luminita & Laurentiu R. Vasu	\$0.00	\$0.00	\$11.00	\$11.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
560-03511	10	Pt. Lot 19 RP12R25489 Pt. 2	0.26	0.11	David Orchard & Hannah Bradley	\$0.00	\$0.00	\$14.00	\$14.00
560-03524	10	Pt. Lot 19 RP12R25489 Pt. 1	0.28	0.11	Dana & Danny Azar	\$0.00	\$0.00	\$14.00	\$14.00
560-03525	10	Pt. Lot 19 RP12R25489 Pt. 3	0.25	0.10	Dana & Danny Azar	\$0.00	\$0.00	\$13.00	\$13.00
560-03526	10	Pt. Lot 19 RP12R25489 Pt. 4	0.39	0.16	Dana & Danny Azar	\$0.00	\$0.00	\$20.00	\$20.00
560-04001	11	Pt. Lot 17	1.00	0.40	Jamie Balkwill	\$0.00	\$0.00	\$34.00	\$34.00
560-04005	11	Pt. Lot 17	2.93	1.19	Jamie A. & Corey Balkwill	\$0.00	\$0.00	\$51.00	\$51.00
560-04120	11	Pt. Lot 17 RP12R17414 Pt. 1	0.72	0.29	Scott Mackenzie	\$0.00	\$0.00	\$31.00	\$31.00
560-04200	11	S. Pt. Lot 18 RP12R4040 Pt. 5	1.00	0.40	Thuan Huynh & Khanh Pham	\$0.00	\$0.00	\$34.00	\$34.00
560-04201	11	Pt. Lot 18 RP12R4040 Pt. 6	1.00	0.40	Ridvan Cielza	\$0.00	\$0.00	\$34.00	\$34.00
560-04300	11	S. Pt. Lot 18 RP12R5571 Pt. 2	0.18	0.07	Kirandeep & Harjinder Cheema	\$0.00	\$0.00	\$9.00	\$9.00
560-04303	11	W. Pt. Lot 18 RP12R4040 Pt. 4	1.00	0.40	Pierino & Pierina Civitillo	\$0.00	\$0.00	\$34.00	\$34.00
560-04420	11	Pt. Lot 18 RP12R24711 Pt. 1	1.04	0.42	Christine M. Nostadt	\$0.00	\$0.00	\$35.00	\$35.00
560-04450	11	Pt. Lot 18 RP12R10224 Pt. 1	0.50	0.20	Deborah Tracey	\$0.00	\$0.00	\$25.00	\$25.00
560-04501	11	Pt. Lot 19 RP12R4040 Pt. 1	0.69	0.28	Brian & Elisa Houston	\$0.00	\$0.00	\$31.00	\$31.00
560-04600	11	N. Pt. Lot 19	0.60	0.24	Robert McArthur & Madeleine Blais	\$0.00	\$0.00	\$28.00	\$28.00
560-04700	11	N. Pt. Lot 19 RP12R3925 Pt. 2	0.56	0.23	Arvind Jain	\$0.00	\$0.00	\$27.00	\$27.00
560-04701	11	Pt. Lot 19 RP12R6164 Pt. 2	0.32	0.13	Dmitar & Susan Veresuk	\$0.00	\$0.00	\$16.00	\$16.00
560-04702	11	Pt. Lot 19 RP12R6164 Pt. 3	0.50	0.20	Michelle A. Desjardins	\$0.00	\$0.00	\$25.00	\$25.00
560-04800	11	Pt. Lot 19 RP12R5602 Pt. 2	0.89	0.36	Lionel J. & Gail M. Baillargeon	\$0.00	\$0.00	\$33.00	\$33.00
560-04810	11	Pt. Lot 19 RP12R8619 Pt. 1	0.89	0.36	Gail M. Baillargeon	\$0.00	\$0.00	\$33.00	\$33.00
560-04900	11	Pt. Lot 19	0.82	0.33	Rupinderpal S. Sidhu & Sarabjit S. Sandhu	\$0.00	\$0.00	\$33.00	\$33.00
560-05000	11	Pt. Lot 19	2.49	1.01	2177219 Ontario Inc.	\$0.00	\$0.00	\$127.00	\$127.00
560-05100	11	Pt. Lot 19 RP12R9328	2.39	0.97	2177219 Ontario Inc.	\$0.00	\$0.00	\$122.00	\$122.00
560-05109	11	Pt. Lot 19 RP12R9470	0.99	0.40	1627093 Ontario Ltd.	\$0.00	\$0.00	\$67.00	\$67.00
560-05207	11	Pt. Lot 19 RP12R9470	3.06	1.24	1830022 Ontario Inc.	\$0.00	\$0.00	\$156.00	\$156.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
560-05210	11	Pt. Lot 19 & 20 RP12R4646 Pt. 1 RP12R14113 Pt. 1	2.54	1.03	Delta Holdings Inc.	\$0.00	\$0.00	\$130.00	\$130.00
560-05302	11	Pt. Lot 19&20 RP12R5167 Pt. 1	0.86	0.35	Quad T. Developments Inc.	\$0.00	\$0.00	\$59.00	\$59.00
560-05310	11	Pt. Lots 19&20 RP12R14425 Pt. 2	0.74	0.30	1501759 Ontario Inc.	\$0.00	\$0.00	\$38.00	\$38.00
560-05311	11	Pt. Lots 19&20 RP12R6451 Pt. 10	0.61	0.25	Michael Silversen	\$0.00	\$0.00	\$42.00	\$42.00
560-05320	11	Pt. Lot 19&20 RP12R14425 Pt.	0.74	0.30	Giuseppa Piptone	\$0.00	\$0.00	\$38.00	\$38.00
560-05400	11	Pt. Lot 19 to 20 EPT	5.28	2.14	Chase Transportation & Logistics Ltd.	\$0.00	\$0.00	\$179.00	\$179.00
560-05600	-	Plan 12M333 Blk 96	1.39	0.56	1000038843 Ontario Inc.	\$0.00	\$0.00	\$38.00	\$38.00
560-05700	11	Gore 20 EPT	0.62	0.25	Sami & Karimeh Haddad	\$0.00	\$0.00	\$29.00	\$29.00
560-05800	11	Gore 20 EPT	0.10	0.04	Cesidoio Plagia	\$0.00	\$0.00	\$3.00	\$3.00
560-05900	11	Gore 20 EPT	0.12	0.05	John & Hannelmore Kompas	\$0.00	\$0.00	\$4.00	\$4.00
560-06000	11	Gore 20 EPT	0.27	0.11	Kent Corp. Inc.	\$0.00	\$0.00	\$9.00	\$9.00
560-09400	12	Gore Pt. Lot 20 RP12R1659 Pts. 1&2	0.36	0.15	Christopher M. Solcz	\$0.00	\$0.00	\$19.00	\$19.00
560-09500	12	Pt. Lot 20 RP12R21659 Pt. 3	0.26	0.11 *	Joseph Jagatic	\$0.00	\$29.00	\$14.00	\$43.00
560-09600	12	Pt. Gore 20	0.24	0.10 *	Walter A. & Zofia M. Kloc	\$0.00	\$26.00	\$13.00	\$39.00
560-09601	12	Pt. Gore 20 RP12R3528	0.73	0.30 *	Reginald K. Mulligan	\$0.00	\$38.00	\$31.00	\$69.00
560-09700	12	Pt. Lot 20	1.00	0.40 *	Reginald K. Mulligan	\$0.00	\$46.00	\$34.00	\$80.00
560-09800	12	Gore Nept 20	1.05	0.42 *	Anne Marie Prieur	\$0.00	\$48.00	\$35.00	\$83.00
560-09810	12	Pt. Lot 20 RP12R4184 Pt. 1 RP12R10046 Pt. 1	0.06	0.02 *	Jacques D. Nicoletti	\$0.00	\$7.00	\$3.00	\$10.00
560-09900	12	Gore 20 Pt. RP12R4184 Pt. 2	0.76	0.31 *	Marie Jeanne Drew Trust	\$0.00	\$39.00	\$32.00	\$71.00
560-10100	12	Pt. Lot 20 RP12R6307 Pts. 1&3	0.53	0.21 *	Kayser Ishaq	\$0.00	\$36.00	\$26.00	\$62.00
560-10200	12	Gore Nept 20	0.47	0.19 *	Cojopa Investments Inc.	\$0.00	\$33.00	\$24.00	\$57.00
560-10201	12	Pt. Lot 20 RP12R6307	0.19	0.08 *	Cojopa Investments Inc.	\$0.00	\$23.00	\$10.00	\$33.00
560-10300	12	Gore 156 Pt	0.85	0.34 *	Rosina L. Baillargeon	\$0.00	\$43.00	\$33.00	\$76.00
560-10400	12	Gore Pt. Lot 156 RP12R19742 Pts. 2&3	0.49	0.20 *	Cojopa Investments Inc.	\$0.00	\$55.00	\$25.00	\$80.00
570-00100	1	Pt. Lot 156 RP12R16731 Pts. 3,5&6	0.88	0.36 *	JGM Investments Ltd.	\$0.00	\$68.00	\$15.00	\$83.00
570-00200	1	Pt. Lot 156 RP12R16731 Pt. 2	4.60	1.86 *	JGM Investments Ltd. Vishalghai	\$0.00	\$86.00	\$78.00	\$164.00
570-00300	3	Pt. Lot 153 RP12R8739 Pt. 1	0.43	0.17 *	Bradley J. Chauvin & Ruth A. Chittle	\$0.00	\$31.00	\$21.00	\$52.00
570-00302	3	Pt. Lot 153 RP12R8739 Pt. 2	0.32	0.13 *	Donald D. & Diane E. Mallat	\$0.00	\$23.00	\$16.00	\$39.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
570-00304	3	Pt. Lot 153 RP12R9160 Pt. 1	0.35	0.14 *	Franz & Susana Krahn	\$0.00	\$25.00	\$18.00	\$43.00
570-00601	-	Plan 12M293 Lot 1	0.21	0.08 *	Frederick Luong	\$0.00	\$20.00	\$10.00	\$30.00
570-00602	-	Plan 12M293 Lot 2	0.14	0.06	Deborah A. Tiberia	\$0.00	\$0.00	\$8.00	\$8.00
570-00603	-	Plan 12M293 Lot 3	0.14	0.06	Kenneth D. Seguin	\$0.00	\$0.00	\$8.00	\$8.00
570-00604	-	Plan 12M293 Lot 4	0.14	0.06	Layane Kouatli & Houssein El-Siblani	\$0.00	\$0.00	\$8.00	\$8.00
570-00605	-	Plan 12M293 Lot 5	0.14	0.06	Gerry Farmer & Simone Rickersby	\$0.00	\$0.00	\$8.00	\$8.00
570-00606	-	Plan 12M293 Lot 6	0.16	0.06	Michael A. & Jo-Anne M. Jurecko	\$0.00	\$0.00	\$8.00	\$8.00
570-00607	-	Plan 12M293 Lot 7	0.18	0.07	Keith M. & Doreen C. Kirby	\$0.00	\$0.00	\$9.00	\$9.00
570-00608	-	Plan 12M293 Lot 8	0.27	0.11	Kirk F. & Pamela M. Lozon	\$0.00	\$0.00	\$14.00	\$14.00
570-00609	-	Plan 12M293 Lot 9	0.41	0.17	Denny Rezler	\$0.00	\$0.00	\$21.00	\$21.00
570-00610	-	Plan 12M293 Lot 10	0.23	0.09	Terry J. Killeen	\$0.00	\$0.00	\$11.00	\$11.00
570-00611	-	Plan 12M293 Lot 11	0.15	0.06	Damir & Melissa J. Sladic	\$0.00	\$0.00	\$8.00	\$8.00
570-00612	-	Plan 12M293 Lot 12	0.18	0.07	David P. & Janet E. Collins	\$0.00	\$0.00	\$9.00	\$9.00
570-00613	-	Plan 12M293 Lot 13	0.18	0.07	Frank P. & Marjon M. Campagna	\$0.00	\$0.00	\$9.00	\$9.00
570-00614	-	Plan 12M293 Lot 14	0.24	0.10	Rosaria & Mary Tocco	\$0.00	\$0.00	\$13.00	\$13.00
570-00616	-	Plan 12M293 Lot 16	0.24	0.10	Joseph E. & Michelle R. Hromi	\$0.00	\$0.00	\$13.00	\$13.00
570-00617	-	Plan 12M293 Lot 17	0.18	0.07	Shawn & Linda Glover	\$0.00	\$0.00	\$9.00	\$9.00
570-00618	-	Plan 12M293 Lot 18	0.17	0.07	Luc P. Leblanc & Michael G. Horvath	\$0.00	\$0.00	\$9.00	\$9.00
570-00619	-	Plan 12M293 Lot 19	0.24	0.10	Kenneth S. & Martha N. Koss	\$0.00	\$0.00	\$13.00	\$13.00
570-00620	-	Plan 12M293 Lot 20	0.39	0.16	Maureen E. & Norma J. Nicholls	\$0.00	\$0.00	\$20.00	\$20.00
570-00621	-	Plan 12M293 Lot 21	0.18	0.07	Patrick & Evelina Wolicki	\$0.00	\$0.00	\$9.00	\$9.00
570-00622	-	Plan 12M293 Lot 22	0.14	0.06	William K. & Lee-Ann McMaster	\$0.00	\$0.00	\$8.00	\$8.00
570-00623	-	Plan 12M293 Lot 23	0.14	0.06	Daniel E. & Roslyn D. Walpole	\$0.00	\$0.00	\$8.00	\$8.00
570-00624	-	Plan 12M293 Lot 24	0.14	0.06	Eileen A. Ganley	\$0.00	\$0.00	\$8.00	\$8.00
570-00625	-	Plan 12M293 Lot 25	0.14	0.06	Martin Aqrawi & Hana Nazar	\$0.00	\$0.00	\$8.00	\$8.00
570-00626	-	Plan 12M293 Lot 26	0.14	0.06	Robert J. & Michelle L. Burd	\$0.00	\$0.00	\$8.00	\$8.00
570-00627	-	Plan 12M293 Lot 27	0.16	0.06	Neil W. & Elizabeth H. Chauvin	\$0.00	\$0.00	\$8.00	\$8.00
570-00628	-	Plan 12M293 Lot 28	0.18	0.07	John V. Corbett	\$0.00	\$0.00	\$9.00	\$9.00
570-00629	-	Plan 12M293 Lot 29	0.17	0.07	Jacques Carrier & Marie F. Boulet	\$0.00	\$0.00	\$9.00	\$9.00
570-00630	-	Plan 12M293 Lot 30	0.17	0.07	Raymond M. & Melissa L. Chapski	\$0.00	\$0.00	\$9.00	\$9.00
570-00631	-	Plan 12M293 Lot 31	0.17	0.07	Martin H. Codman & Mikayla Jerald	\$0.00	\$0.00	\$9.00	\$9.00

Roll No.	Con.	Description	Area Affected		Owner	Special	Benefit	Outlet	Total
			(Acres)	(Ha.)		Benefit			Assessment
570-00632	-	Plan 12M293 Lot 32	0.17	0.07	Michael & Rima Ari	\$0.00	\$0.00	\$9.00	\$9.00
570-00633	-	Plan 12M293 Lot 33	0.17	0.07	Rosemary A. Fiss	\$0.00	\$0.00	\$9.00	\$9.00
570-00634	-	Plan 12M293 Lot 34	0.17	0.07	Norbert & Margaret Wenzel	\$0.00	\$0.00	\$9.00	\$9.00
570-00635	-	Plan 12M293 Lot 35	0.17	0.07	Jessica A. Adamo	\$0.00	\$0.00	\$9.00	\$9.00
570-00636	-	Plan 12M293 Lot 36	0.16	0.06	Brenda Fedun	\$0.00	\$0.00	\$8.00	\$8.00
570-00637	-	Plan 12M293 Lot 37	0.20	0.08	James A. Girard & Terrie E. Savoie	\$0.00	\$0.00	\$10.00	\$10.00
570-00638	-	Plan 12M293 Lot 38	0.28	0.11	Robert A. Jones	\$0.00	\$0.00	\$14.00	\$14.00
570-00639	-	Plan 12M293 Lot 39	0.14	0.06	William R. Neave & Suzanne McKellar	\$0.00	\$0.00	\$8.00	\$8.00
570-00640	-	Plan 12M293 Lot 40	0.14	0.06	Darrell Pitt	\$0.00	\$0.00	\$8.00	\$8.00
570-00641	-	Plan 12M293 Lot 41	0.14	0.06	Christopher M. & Alison J. Layfield	\$0.00	\$0.00	\$8.00	\$8.00
570-00642	-	Plan 12M293 Lot 42	0.14	0.06	Brian A. & Tracey M. Venske	\$0.00	\$0.00	\$8.00	\$8.00
570-00643	-	Plan 12M293 Lot 43	0.14	0.06	Richard C. & Deborah Nash	\$0.00	\$0.00	\$8.00	\$8.00
570-00644	-	Plan 12M293 Lot 44	0.14	0.06	Marc W. & Daniela Jubenville	\$0.00	\$0.00	\$8.00	\$8.00
570-00645	-	Plan 12M293 Lot 45	0.14	0.06	Marcel M. Carvallo	\$0.00	\$0.00	\$8.00	\$8.00
570-00646	-	Plan 12M293 Lot 46	0.14	0.06	John R. & Anne M. Heath	\$0.00	\$0.00	\$8.00	\$8.00
570-00647	-	Plan 12M293 Lot 47	0.14	0.06	John N. & Charlene A. Stevenson	\$0.00	\$0.00	\$8.00	\$8.00
570-00648	-	Plan 12M293 Lot 48	0.14	0.06	David & Nadine Liolli	\$0.00	\$0.00	\$8.00	\$8.00
570-00649	-	Plan 12M293 Lot 49	0.14	0.06	Scott A. & Tami E. Matthews	\$0.00	\$0.00	\$8.00	\$8.00
570-00650	-	Plan 12M293 Lot 50	0.14	0.06	Mark J. & Margaret A. Belanger	\$0.00	\$0.00	\$8.00	\$8.00
570-00651	-	Plan 12M293 Lot 51	0.14	0.06	Thomas E. Labonte	\$0.00	\$0.00	\$8.00	\$8.00
570-00652	-	Plan 12M293 Lot 52	0.17	0.07	Robert & Margaret Marentette	\$0.00	\$0.00	\$9.00	\$9.00
570-00653	-	Plan 12M293 Lot 53	0.20	0.08	Brian G. & Julie T. Davidson	\$0.00	\$0.00	\$10.00	\$10.00
570-00654	-	Plan 12M293 Lot 54	0.17	0.07	Gregory M. & Shauna L. Romaniuk	\$0.00	\$0.00	\$9.00	\$9.00
570-00655	-	Plan 12M293 Lot 55	0.17	0.07	Michelle A. Emery	\$0.00	\$0.00	\$9.00	\$9.00
570-00656	-	Plan 12M293 Lot 56	0.17	0.07	Robert G. & Nadine G. Divinecz	\$0.00	\$0.00	\$9.00	\$9.00
570-00657	-	Plan 12M293 Lot 57	0.17	0.07	Ewa Wiercinski	\$0.00	\$0.00	\$9.00	\$9.00
570-00658	-	Plan 12M293 Lot 58	0.17	0.07	Frank M. & Danielle M. Kristo	\$0.00	\$0.00	\$9.00	\$9.00
570-00659	-	Plan 12M293 Lot 59	0.17	0.07	Adam & Emanuela Lagotzki	\$0.00	\$0.00	\$9.00	\$9.00
570-00660	-	Plan 12M293 Lot 60	0.17	0.07	Joseph & Lisa A. Vulakovich	\$0.00	\$0.00	\$9.00	\$9.00
570-00661	-	Plan 12M293 Lot 61	0.17	0.07	Kathleen Green	\$0.00	\$0.00	\$9.00	\$9.00
570-00662	-	Plan 12M293 Lot 62	0.17	0.07	Randy S. Tousignant	\$0.00	\$0.00	\$9.00	\$9.00
570-00663	-	Plan 12M293 Lot 63	0.22	0.09	Deborah A. & Christopher Vilag	\$0.00	\$0.00	\$11.00	\$11.00
570-00664	-	Plan 12M293 Lot 64	0.46	0.19	Sean & Larissa McCorkell	\$0.00	\$0.00	\$24.00	\$24.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
570-00665	-	Plan 12M293 Lot 65	0.22	0.09	Edward J. & Maureen Collins	\$0.00	\$0.00	\$11.00	\$11.00
570-00666	-	Plan 12M293 Lot 66	0.17	0.07	Benito & Anna M. De Blasis	\$0.00	\$0.00	\$9.00	\$9.00
570-00667	-	Plan 12M293 Lot 67	0.17	0.07	Erin E. Cummings & Beverley H. Seney	\$0.00	\$0.00	\$9.00	\$9.00
570-00668	-	Plan 12M293 Lot 68	0.17	0.07	Salvatore & Emma Allevato	\$0.00	\$0.00	\$9.00	\$9.00
570-00669	-	Plan 12M293 Lot 69	0.17	0.07	Geoffrey Berry	\$0.00	\$0.00	\$9.00	\$9.00
570-00670	-	Plan 12M293 Lot 70	0.17	0.07	Kevin & Patricia Coombs	\$0.00	\$0.00	\$9.00	\$9.00
570-00671	-	Plan 12M293 Lot 71	0.17	0.07	Reginald A. & Shelly Gillard	\$0.00	\$0.00	\$9.00	\$9.00
570-00672	-	Plan 12M293 Lot 72	0.20	0.08	Lawrence & Odile Shepherd	\$0.00	\$0.00	\$10.00	\$10.00
570-00673	-	Plan 12M293 Lot 73	0.15	0.06	Bruce E. & Caroline Pearcey	\$0.00	\$0.00	\$8.00	\$8.00
570-00674	-	Plan 12M293 Lot 74	0.14	0.06	Michael G. & Alba Margaritis	\$0.00	\$0.00	\$8.00	\$8.00
570-00675	-	Plan 12M293 Lot 75	0.14	0.06	Brian L. Sonne	\$0.00	\$0.00	\$8.00	\$8.00
570-00676	-	Plan 12M293 Lot 76	0.17	0.07	Tom L. & Monique A. Jobin	\$0.00	\$0.00	\$9.00	\$9.00
570-00677	-	Plan 12M293 Lot 77	0.17	0.07	Domenico & Julie C. Teti	\$0.00	\$0.00	\$9.00	\$9.00
570-00678	-	Plan 12M293 Lot 78	0.17	0.07	Keith W. & Heather L. Parent	\$0.00	\$0.00	\$9.00	\$9.00
570-00679	-	Plan 12M293 Lot 79	0.17	0.07	Greta T. Leger	\$0.00	\$0.00	\$9.00	\$9.00
570-00680	-	Plan 12M293 Lot 80	0.17	0.07	David J. & Tammy M. Cochois	\$0.00	\$0.00	\$9.00	\$9.00
570-00681	-	Plan 12M293 Lot 81	0.17	0.07	Christina M. Hardaker	\$0.00	\$0.00	\$9.00	\$9.00
570-00682	-	Plan 12M293 Lot 82	0.17	0.07	Douglas Holley & Kassandra Neill	\$0.00	\$0.00	\$9.00	\$9.00
570-00683	-	Plan 12M293 Lot 83	0.14	0.06	Corneliu & Lidia Leonte	\$0.00	\$0.00	\$8.00	\$8.00
570-00684	-	Plan 12M293 Lot 84	0.14	0.06	Amanda & Thomas Scully	\$0.00	\$0.00	\$8.00	\$8.00
570-00685	-	Plan 12M293 Lot 85	0.14	0.06	Starr & Alice Joseph	\$0.00	\$0.00	\$8.00	\$8.00
570-00686	-	Plan 12M293 Lot 86	0.16	0.06	Jozef & Dariusz Balon	\$0.00	\$0.00	\$8.00	\$8.00
570-00687	-	Plan 12M293 Lot 87	0.14	0.06	Jennifer Meloche	\$0.00	\$0.00	\$8.00	\$8.00
570-00688	-	Plan 12M293 Lot 88	0.14	0.06	Anna W. Lefrancois	\$0.00	\$0.00	\$8.00	\$8.00
570-00689	-	Plan 12M293 Lot 89	0.14	0.06	Michael J. Moodrey	\$0.00	\$0.00	\$8.00	\$8.00
570-00690	-	Plan 12M293 Lot 90	0.14	0.06	Marco Pelle & Jenelle M. Rinkel	\$0.00	\$0.00	\$8.00	\$8.00
570-00691	-	Plan 12M293 Lot 91	0.21	0.08 *	Sean & Elizabeth Lalonde	\$0.00	\$19.00	\$10.00	\$29.00
570-00697	3	Pt. Lot 153 RP12R7401 Pt. 1	0.57	0.23 *	Michael N. Trepanier	\$0.00	\$36.00	\$27.00	\$63.00
570-00700	3	Pt. Lot 153	0.57	0.23 *	Khadije & Refaat Farris	\$0.00	\$36.00	\$27.00	\$63.00
570-00705	3	Pt. Lot 152 RP12R8841 Pt. 1	0.71	0.29 *	Nirmal S. & Sukhdeep Kooner	\$0.00	\$39.00	\$31.00	\$70.00
570-00707	3	Pt. Lot 152 RP12R8841 Pt. 2	0.73	0.30 *	James J. Ofner	\$0.00	\$39.00	\$31.00	\$70.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
570-00709	3	Pt. Lot 152 RP12R8841 Pt. 3	0.81	0.33 *	James J. Ofner	\$0.00	\$41.00	\$33.00	\$74.00
570-00741	-	Plan 12M597 Lot 1	0.17	0.07	Jeffrey Adey	\$0.00	\$0.00	\$9.00	\$9.00
570-00742	-	Plan 12M597 Lot 2	0.15	0.06	Alexander J. & Katelyn E. Martin	\$0.00	\$0.00	\$8.00	\$8.00
570-00743	-	Plan 12M597 Lot 3	0.25	0.10	Travis N. Colenutt & Chantal M. Pomerleau	\$0.00	\$0.00	\$13.00	\$13.00
570-00744	-	Plan 12M597 Lot 4	0.25	0.10	Launey M. Roberts & Vesna K. Kaps	\$0.00	\$0.00	\$13.00	\$13.00
570-00745	-	Plan 12M597 Lot 5	0.15	0.06	Lauren S. Valente	\$0.00	\$0.00	\$8.00	\$8.00
570-00746	-	Plan 12M597 Lot 6	0.17	0.07	Richard & Vera Chorney	\$0.00	\$0.00	\$9.00	\$9.00
570-00747	-	Plan 12M597 Lot 7	0.19	0.08	Mark Assef & Mekayla Babula	\$0.00	\$0.00	\$10.00	\$10.00
570-00748	-	Plan 12M597 Lot 8	0.30	0.12	Amandeep K. & Kamaljit S. Manak	\$0.00	\$0.00	\$15.00	\$15.00
570-00749	-	Plan 12M597 Lot 9	0.15	0.06	Mohamed Malas	\$0.00	\$0.00	\$8.00	\$8.00
570-00750	-	Plan 12M597 Lot 10	0.15	0.06	Peter & Bachetti Mastrodicasa- Bachetti	\$0.00	\$0.00	\$8.00	\$8.00
570-00751	-	Plan 12M597 Lot 11	0.15	0.06	Marc & Krista-Layne Duhaime	\$0.00	\$0.00	\$8.00	\$8.00
570-00752	-	Plan 12M597 Lot 12	0.15	0.06	Scott A. Miller & Catharina D. Knott Telsy	\$0.00	\$0.00	\$8.00	\$8.00
570-00753	-	Plan 12M597 Lot 13	0.15	0.06	Michael & Pamela Adkin	\$0.00	\$0.00	\$8.00	\$8.00
570-00754	-	Plan 12M597 Lot 14	0.15	0.06	David & Elizabeth Adkin	\$0.00	\$0.00	\$8.00	\$8.00
570-00755	-	Plan 12M597 Lot 15	0.17	0.07	Salah Ayoub & Leena Hedo	\$0.00	\$0.00	\$9.00	\$9.00
570-00756	-	Plan 12M597 Lot 16	0.22	0.09	Maria Charbonneau	\$0.00	\$0.00	\$11.00	\$11.00
570-00757	-	Plan 12M597 Lot 17	0.18	0.07	Tracy Babij	\$0.00	\$0.00	\$9.00	\$9.00
570-00758	-	Plan 12M597 Lot 18	0.18	0.07	Stephen J. & Tracey M. Raco	\$0.00	\$0.00	\$9.00	\$9.00
570-00759	-	Plan 12M597 Lot 19	0.17	0.07	Jove & Anica Ristovski	\$0.00	\$0.00	\$9.00	\$9.00
570-00801	3	Pt. Lot 152 RP12R20271 Pts. 2&3	1.66	0.67 *	2023324 Ontario Inc.	\$0.00	\$61.00	\$40.00	\$101.00
570-00900	3	Pt. Lot 152	1.03	0.42	Karim & Zainab Nash	\$0.00	\$0.00	\$35.00	\$35.00
570-01000	3	Pt. Lot 152	1.03	0.42	Giovanni & Serafina Bachetti	\$0.00	\$0.00	\$35.00	\$35.00
570-01100	3	Pt. Lot 152	1.91	0.77	Heather & Samuel Higginbottom	\$0.00	\$0.00	\$42.00	\$42.00
570-01200	3	Pt. Lot 152 RP12R26862 Pt. 1	1.42	0.57	Gurmej K. & Avtar S. Aujla	\$0.00	\$0.00	\$38.00	\$38.00
570-01202	3	Pt. Lot 152 RP12R26862 Pt. 2	1.03	0.42	Gurmej K. Aujla	\$0.00	\$0.00	\$35.00	\$35.00
570-01275	3	Pt. Lot 152 RP12R17174	0.85	0.34	Gregory C. & Loriann M. Glenn	\$0.00	\$0.00	\$33.00	\$33.00
570-01300	3	Pt. Lot 152 RP12R17174	1.17	0.47	Cheryl Logan & Adrian Power	\$0.00	\$0.00	\$36.00	\$36.00
570-01302	3	Pt. Lot 152 RP12R7893 Pt. 2 RP12R13691 Pt. 1	1.05	0.42	Sandra J. Chapman	\$0.00	\$0.00	\$35.00	\$35.00
570-01500	3	Pt. Lot 152 RP12R12268 Pt. 7	0.32	0.13	Karen M. Manchurek & Penny R. Yablonsky	\$0.00	\$0.00	\$16.00	\$16.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
570-01515	3	Pt. Lot 152 RP12R12521 Pts. 1,11&22	0.25	0.10	Timothy M. & Carol L. Wilhelm	\$0.00	\$0.00	\$13.00	\$13.00
570-01520	3	Pt. Lot 152 RP12R12521 Pts. 2,12&21	0.23	0.09	Chantalle Massaad & Ziad El Khoury	\$0.00	\$0.00	\$11.00	\$11.00
570-01525	3	Pt. Lot 152 RP12R12521 Pt. 5	0.28	0.11	Jody K. & Colleen M. Baynton	\$0.00	\$0.00	\$14.00	\$14.00
570-01530	3	Pt. Lot 152 RP12R12521 Pt. 7	0.25	0.10	Thomas & Anne Kauric	\$0.00	\$0.00	\$13.00	\$13.00
570-01580	3	Pt. Lot 152 RP12R12521 Pt. 8	0.25	0.10	Lynley M. & Mary J. Drouillard	\$0.00	\$0.00	\$13.00	\$13.00
570-01585	3	Pt. Lot 152 RP12R12521 Pt. 6	0.23	0.09	David H. & Michelle R. Stewart	\$0.00	\$0.00	\$11.00	\$11.00
570-01590	3	Pt. Lot 152 RP12R12521 Pts. 3,14&19	0.23	0.09	Joey & Judy Delicata	\$0.00	\$0.00	\$11.00	\$11.00
570-01595	3	Pt Lot 152 RP 12R12521	0.24	0.10	James A. & Elizabeth L. Cogliati	\$0.00	\$0.00	\$13.00	\$13.00
570-01600	3	Pt. Lot 152 RP12R12268 Pt. 5	0.35	0.14	David W. Hawkins & Tami A. McLean	\$0.00	\$0.00	\$18.00	\$18.00
570-01602	3	Pt. Lot 152 RP12R12268 Pt. 3	0.36	0.15	Clifford J. Kocot	\$0.00	\$0.00	\$19.00	\$19.00
570-01700	3	Pt. Lot 152 RP12R12268 Pt. 1	0.39	0.16	Clifford J. & Laurretta A. Kocot	\$0.00	\$0.00	\$20.00	\$20.00
570-01800	3	Pt. Lot 152	0.50	0.20	Paul A. Adams	\$0.00	\$0.00	\$25.00	\$25.00
570-01900	3	Pt. Lot 152	0.50	0.20	Daniel R. Beaulieu	\$0.00	\$0.00	\$25.00	\$25.00
570-02000	3	Pt. Lot 152	0.47	0.19	Lehmber S. & Kulwant K. Pahal	\$0.00	\$0.00	\$24.00	\$24.00
570-02100	3	Pt. Lot 152	0.53	0.21	Mary Ann Lee	\$0.00	\$0.00	\$26.00	\$26.00
570-02200	3	Pt. Lot 152	0.50	0.20	Brian & Karen Rutherford	\$0.00	\$0.00	\$25.00	\$25.00
570-02300	3	Pt. Lot 152	0.54	0.22	Blaze, Anka & Liubica Ristovski	\$0.00	\$0.00	\$27.00	\$27.00
570-02400	3	Pt. Lot 152	0.53	0.21	Carole Kitching	\$0.00	\$0.00	\$26.00	\$26.00
570-02500	3	Pt. Lot 152	0.53	0.21	Marie A. Gagnier	\$0.00	\$0.00	\$26.00	\$26.00
570-02600	3	Pt. Lot 152	0.51	0.21	Farina G. Keuhfuss	\$0.00	\$0.00	\$26.00	\$26.00
570-02601	3	Pt. Lot 152 RP12R6077 Pt. 2	0.69	0.28	Anthony D. & Michelle D. Dicarlo	\$0.00	\$0.00	\$31.00	\$31.00
570-02700	3	Pt. Lot 152 RP12R6077 Pt. 1	0.70	0.28	Corey D. Beaudoin	\$0.00	\$0.00	\$31.00	\$31.00
570-02800	3	Pt. Lot 152	0.47	0.19	Isabelle P. Lesperance	\$0.00	\$0.00	\$24.00	\$24.00
570-02900	3	Pt. Lot 152	0.47	0.19	Tino Cargnelli	\$0.00	\$0.00	\$24.00	\$24.00
570-03000	3	Pt. Lot 152	0.37	0.15	Bailey E. Purcka	\$0.00	\$0.00	\$19.00	\$19.00
570-12701	-	Plan 12M260 Lot 33	0.23	0.09	Guido J. & Denise Didomenico	\$0.00	\$0.00	\$11.00	\$11.00
570-12702	-	Plan 12M260 Lot 32	0.30	0.12	Paul A. & Marilyn T. Prior	\$0.00	\$0.00	\$15.00	\$15.00
570-12703	-	Plan 12M260 Lot 31	0.25	0.10	Gaetano & Kimberly Luppino	\$0.00	\$0.00	\$13.00	\$13.00
570-12704	-	Plan 12M260 Lot 30	0.24	0.10	Kelly G. Martin	\$0.00	\$0.00	\$13.00	\$13.00
570-12705	-	Plan 12M260 Lot 29	0.23	0.09	Maurice & Brankica Rotondi	\$0.00	\$0.00	\$11.00	\$11.00
570-12706	-	Plan 12M260 Lot 28	0.24	0.10	John R. & Carol Maleyko	\$0.00	\$0.00	\$13.00	\$13.00
570-12707	-	Plan 12M260 Lot 27	0.23	0.09	Lyle S. Handsor	\$0.00	\$0.00	\$11.00	\$11.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
570-12708	-	Plan 12M260 Lot 26	0.33	0.13	Perry & Liana A. Silvaggi	\$0.00	\$0.00	\$16.00	\$16.00
570-12709	-	Plan 12M260 Lot 25	0.24	0.10	David A. & Patricia J. Slaughter	\$0.00	\$0.00	\$13.00	\$13.00
570-12710	-	Plan 12M260 Lot 24	0.31	0.13	Miroslav & Ivana Javorik	\$0.00	\$0.00	\$16.00	\$16.00
570-12711	-	Plan 12M260 Lot 23	0.27	0.11	Matthew J. Gosselin & Laura L. Clement	\$0.00	\$0.00	\$14.00	\$14.00
570-12712	-	Plan 12M260 Lot 22	0.27	0.11	Susan E. Wolcott	\$0.00	\$0.00	\$14.00	\$14.00
570-12713	-	Plan 12M260 Lot 21	0.23	0.09	Christopher & Karen Athavale	\$0.00	\$0.00	\$11.00	\$11.00
570-12714	-	Plan 12M260 Lot 20	0.23	0.09	Brent N. & Jennifer L. Jershy	\$0.00	\$0.00	\$11.00	\$11.00
570-12715	-	Plan 12M260 Lot 19	0.25	0.10	Lena H. Fromm & Massimo Sperduti	\$0.00	\$0.00	\$13.00	\$13.00
570-12716	-	Plan 12M260 Lot 18	0.32	0.13	Arcangelo & Suzanne R. Pernasilici	\$0.00	\$0.00	\$16.00	\$16.00
570-12717	-	Plan 12M260 Lot 17	0.25	0.10	John & Souad Stephan	\$0.00	\$0.00	\$13.00	\$13.00
570-12718	-	Plan 12M260 Lot 16	0.23	0.09	Michel Y. Gagnon	\$0.00	\$0.00	\$11.00	\$11.00
570-12719	-	Plan 12M260 Lot 15	0.26	0.11	Gurmeet K Dhindsa & Rajinder Shergill	\$0.00	\$0.00	\$14.00	\$14.00
570-12720	-	Plan 12M260 Lot 14	0.23	0.09	Timothy & Nada Mrkalj	\$0.00	\$0.00	\$11.00	\$11.00
570-12721	-	Plan 12M260 Lot 13	0.23	0.09	Liviu & Violeta Pop	\$0.00	\$0.00	\$11.00	\$11.00
570-12722	-	Plan 12M260 Lot 12	0.23	0.09	Caroline M. Stallard	\$0.00	\$0.00	\$11.00	\$11.00
570-12723	-	Plan 12M260 Lot 11	0.23	0.09	Joseph E. & Diane T. Paquette	\$0.00	\$0.00	\$11.00	\$11.00
570-12724	-	Plan 12M260 Lot 10	0.23	0.09	Shane D. & Magdalena Renaud	\$0.00	\$0.00	\$11.00	\$11.00
570-12725	-	Plan 12M260 Lot 9	0.23	0.09	Michael & Angela Dethomasis	\$0.00	\$0.00	\$11.00	\$11.00
570-12726	-	Plan 12M260 Lot 8	0.23	0.09	Violet Kovacic	\$0.00	\$0.00	\$11.00	\$11.00
570-12727	-	Plan 12M260 Lot 7	0.23	0.09	Margarito & Marta M. Monroy	\$0.00	\$0.00	\$11.00	\$11.00
570-12728	-	Plan 12M260 Lot 6	0.23	0.09	Domenic & Rita Petrilli	\$0.00	\$0.00	\$11.00	\$11.00
570-12729	-	Plan 12M260 Lot 5	0.23	0.09	Domingos & Delfina Pedro	\$0.00	\$0.00	\$11.00	\$11.00
570-12730	-	Plan 12M260 Lot 46	0.26	0.11	Paul C. & Georgette M. Chadwick	\$0.00	\$0.00	\$14.00	\$14.00
570-12731	-	Plan 12M260 Lot 47	0.23	0.09	Christopher A. & Tanya Larking	\$0.00	\$0.00	\$11.00	\$11.00
570-12732	-	Plan 12M260 Lot 48	0.23	0.09	Thomas M. & Patricia K. Renaud	\$0.00	\$0.00	\$11.00	\$11.00
570-12733	-	Plan 12M260 Lot 49	0.23	0.09	Brian & Marianne Spisic	\$0.00	\$0.00	\$11.00	\$11.00
570-12734	-	Plan 12M260 Lot 50	0.23	0.09	Trisha M. Dufresne	\$0.00	\$0.00	\$11.00	\$11.00
570-12735	-	Plan 12M260 Lot 51	0.23	0.09	Jagtar & Amrit Dhillon	\$0.00	\$0.00	\$11.00	\$11.00
570-12736	-	Plan 12M260 Lot 52	0.23	0.09	Giuseppina Tiberia	\$0.00	\$0.00	\$11.00	\$11.00
570-12737	-	Plan 12M260 Lot 53	0.25	0.10	Patrick K. & Margaret A. Kiely	\$0.00	\$0.00	\$13.00	\$13.00
570-12738	-	Plan 12M260 Lot 54	0.30	0.12	Frances Cusenza & Silvio Bucciarelli	\$0.00	\$0.00	\$15.00	\$15.00
570-12739	-	Plan 12M260 Lot 55	0.35	0.14	George A. & Lindsay A. Giahatzis	\$0.00	\$0.00	\$18.00	\$18.00
570-12740	-	Plan 12M260 Lot 58	0.25	0.10	Giuseppe & Enza Cavallaro	\$0.00	\$0.00	\$13.00	\$13.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
570-12741	-	Plan 12M260 Lot 57	0.23	0.09	Barbara A. & Robert W. Morden	\$0.00	\$0.00	\$11.00	\$11.00
570-12742	-	Plan 12M260 Lot 56	0.23	0.09	Albert M. & Ruth C. Hunt	\$0.00	\$0.00	\$11.00	\$11.00
570-12743	-	Plan 12M260 Lot 34	0.23	0.09	Gaby & Marie M. Zina	\$0.00	\$0.00	\$11.00	\$11.00
570-12744	-	Plan 12M260 Lot 35	0.23	0.09	Kimberly Facchinato & Christopher R. Broadwell	\$0.00	\$0.00	\$11.00	\$11.00
570-12745	-	Plan 12M260 Lot 36	0.23	0.09	Jennifer L. Spanik & Edme R. Dubeau	\$0.00	\$0.00	\$11.00	\$11.00
570-12746	-	Plan 12M260 Lot 37	0.24	0.10	Himanshu Arora & Swati Bhalla	\$0.00	\$0.00	\$13.00	\$13.00
570-12747	-	Plan 12M260 Lot 38	0.24	0.10	Corey T. Parent & Alexandra C. Duke	\$0.00	\$0.00	\$13.00	\$13.00
570-12748	-	Plan 12M260 Lot 39	0.23	0.09	Jandu S. & Jandu B. Singh	\$0.00	\$0.00	\$11.00	\$11.00
570-12749	-	Plan 12M260 Lot 40	0.23	0.09	Giampietro P. & Concetta Mussio	\$0.00	\$0.00	\$11.00	\$11.00
570-12750	-	Plan 12M260 Lot 41	0.23	0.09	Joseph & Cheryl A. Cascio	\$0.00	\$0.00	\$11.00	\$11.00
570-12751	-	Plan 12M260 Lot 42	0.23	0.09	Richard T. Levang	\$0.00	\$0.00	\$11.00	\$11.00
570-12752	-	Plan 12M260 Lot 43	0.23	0.09	Justin Boulos	\$0.00	\$0.00	\$11.00	\$11.00
570-12753	-	Plan 12M260 Lot 44	0.23	0.09	Gary E. & Paulette A. Littlejohns	\$0.00	\$0.00	\$11.00	\$11.00
570-12754	-	Plan 12M260 Lot 45	0.23	0.09	Jeffrey Peacock & Krista L. Deneau-Peacock	\$0.00	\$0.00	\$11.00	\$11.00
570-12900	3	Pt. Lot 151 RD112 Pt. 5	0.35	0.14	Ravinder P. Kaur	\$0.00	\$0.00	\$18.00	\$18.00
570-13000	3	Pt. Lot 151 RP12R112 Pt. 6	0.36	0.15	Robert J. & Brenda M. Mackie	\$0.00	\$0.00	\$19.00	\$19.00
570-13100	3	Pt. Lot 151 RP12R1273 Pt. 2	0.69	0.28	Steven W. & Lisa M. Chase	\$0.00	\$0.00	\$31.00	\$31.00
570-13200	3	Pt. Lot 151 RP12R7285 Pt. 3	0.83	0.34	Nancy Pesic	\$0.00	\$0.00	\$33.00	\$33.00
570-13300	3	Pt. Lot 151	0.85	0.34	Sandra J. Chapman	\$0.00	\$0.00	\$33.00	\$33.00
570-13400	3	Pt. Lot 151	0.96	0.39	John R. Andrukonis	\$0.00	\$0.00	\$34.00	\$34.00
570-13500	3	Pt. Lot 151 RP12R3619 Pt. 2	0.98	0.40	Natale & Maria Roma	\$0.00	\$0.00	\$34.00	\$34.00
570-13501	3	Pt. Lot 151 RP12R3619 Pt. 3	0.46	0.19	Claude P. & Patricia Tremblay	\$0.00	\$0.00	\$24.00	\$24.00
570-13502	3	Pt. Lot 151 RP12R3619 Pt. 3	0.47	0.19	Louis & Marica Bilek	\$0.00	\$0.00	\$24.00	\$24.00
570-13700	3	Pt. Lot 151	0.47	0.19	Andre G. & Elaine M. Leblanc	\$0.00	\$0.00	\$24.00	\$24.00
570-13800	3	Pt. Lot 151	0.47	0.19	Christofer L. Mariani	\$0.00	\$0.00	\$24.00	\$24.00
570-13900	3	Pt. Lot 151	0.47	0.19	Kaitlyn M. Myers & Nolan A. Crough	\$0.00	\$0.00	\$24.00	\$24.00
570-14000	3	Pt. Lot 151	0.47	0.19	Leo P. & Anna M. Bracken	\$0.00	\$0.00	\$24.00	\$24.00
570-14001	3	Pt. Lot 151 RP12R5683 Pt. 1	0.26	0.11	Lorri M. Tessier	\$0.00	\$0.00	\$18.00	\$18.00
570-14002	3	Pt. Lot 151 RP12R5683 Pt. 2	0.27	0.11	F & S Bashi Enterprises Inc.	\$0.00	\$0.00	\$9.00	\$9.00
570-14100	3	Pt. Lot 151 RP12R3798 Pt. 1	0.35	0.14 *	F & S Bashi Enterprises Inc.	\$0.00	\$41.00	\$23.00	\$64.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
570-14200	3	Pt. Lot 151	0.58	0.23 *	1700700 Ontario Inc.	\$0.00	\$43.00	\$39.00	\$82.00
570-14300	3	Pt. Lot 151 RP12R19399 Pt. 2	0.99	0.40 *	1700700 Ontario Inc.	\$0.00	\$54.00	\$50.00	\$104.00
570-14310	3	Pt. Lot 151	0.63	0.25 *	1388783 Ontario Inc.	\$0.00	\$41.00	\$42.00	\$83.00
570-14400	3	Pt. Lot 151	0.63	0.25 *	Gurvinder K. Soor	\$0.00	\$34.00	\$31.00	\$65.00
570-14500	-	Pt. Lots 236&237 Pt. Blk A	0.24	0.10 *	David A. Newcombe	\$0.00	\$21.00	\$13.00	\$34.00
570-14600	-	Plan 1380 Pt. Blk A	0.24	0.10	David N. & Mabel J. Desrosiers	\$0.00	\$0.00	\$13.00	\$13.00
570-14700	3	Plan 1380 Pt. Blk A	0.24	0.10	Baldip & Daljit Sandhar	\$0.00	\$0.00	\$13.00	\$13.00
570-14800	3	Plan 1380 Pt. Blk A	0.24	0.10	Jerry Sagat & Yan Hao	\$0.00	\$0.00	\$13.00	\$13.00
570-14900	3	Lot 151 RP12R19655 Pts. 14&15	0.27	0.11	Jerry Sagat & Yan Hao	\$0.00	\$0.00	\$14.00	\$14.00
570-14901	3	Pt. Lot 151 RP12R19655 Pts. 12&13	0.27	0.11	John & Laura Levinsky	\$0.00	\$0.00	\$14.00	\$14.00
570-14902	3	Pt. Lot 151 RP12R19655 Pts. 10&11	0.41	0.17	Eric C. & Michelle L. Girard	\$0.00	\$0.00	\$21.00	\$21.00
570-14903	3	Pt. Lot 151 RP12R19655 Pts. 8&9	0.26	0.11	Vincent & Janeth Boyd	\$0.00	\$0.00	\$14.00	\$14.00
570-14904	3	Pt. Lot 151 RP12R19655 Pts. 6&7	0.42	0.17	Zelko Rezler & Mary Kristo-Resler	\$0.00	\$0.00	\$21.00	\$21.00
570-14905	3	Pt. Lot 151 RP12R19655 Pts. 4&5	0.25	0.10	Tomy J. & Paulette Jagatic	\$0.00	\$0.00	\$13.00	\$13.00
570-14906	3	Pt. Lot 151 RP12R19655 Pts. 2&3	0.23	0.09	Eric & Sandra J. Godin	\$0.00	\$0.00	\$11.00	\$11.00
570-15000	3	Plan 1380 Pt. Blk B	0.22	0.09	John D. & Patricia M. Levesque	\$0.00	\$0.00	\$11.00	\$11.00
570-15100	3	Pt. Lot 151 RP12R3619 Pt. 1	0.23	0.09	Patrick D. & Linda Kennedy	\$0.00	\$0.00	\$11.00	\$11.00
570-15200	-	Plan 1380 Pt. Blk B RP12R9006 Pts. 1&2	0.39	0.16	Ronald E. Delisle	\$0.00	\$0.00	\$20.00	\$20.00
570-15300	-	Plan 1380 Pt. Blk B RP12R7285 Pt. 1	0.41	0.17	Palko & Mirjana Kohut	\$0.00	\$0.00	\$21.00	\$21.00
570-15400	-	Plan 1380 Pt. Blk B	0.25	0.10	Sharon L. McDermid	\$0.00	\$0.00	\$13.00	\$13.00
570-15500	-	Plan 1380 Pt. Blk B	0.23	0.09	Victoria A. Muldoon	\$0.00	\$0.00	\$11.00	\$11.00
570-15600	-	Plan 1380 Pt. Blk B	0.23	0.09	Gregory D. Renaud	\$0.00	\$0.00	\$11.00	\$11.00
570-15700	-	Plan 12M260 Lot 4 RP12R10484	0.63	0.25	Debbie M. Docherty	\$0.00	\$0.00	\$29.00	\$29.00
570-15800	-	Plan 12M260 Lot 3	0.39	0.16	Francesco Cappelli	\$0.00	\$0.00	\$20.00	\$20.00
570-15900	-	Plan 12M260 Lot 2	0.38	0.15	Robert E. & Marilyn G. Cushman	\$0.00	\$0.00	\$19.00	\$19.00
570-16000	-	Plan 12M260 Lot 1	0.38	0.15	Shawn R. & Kara L. Charron	\$0.00	\$0.00	\$19.00	\$19.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
570-32000	-	Plan 1380 Lots 64-75 Lots 105 to 116, 210-221 Pt Lots 63, 117, 209	5.25	2.12	Windsor-Essex Catholic District School Board	\$0.00	\$0.00	\$356.00	\$356.00
570-32002	-	Plan 1380 Lots 57-62 Lots 118- 123 Lots 203- 208 Pt Lots 63,117,209 Pt. Blk E	2.73	1.10	Extendicare (Canada) Inc.	\$0.00	\$0.00	\$184.00	\$184.00
570-32100	-	Plan 1380 Lots 222&223 RP12R12345 Pt. 1	0.24	0.10	Sharren Paquin	\$0.00	\$0.00	\$13.00	\$13.00
570-32300	-	Plan 1380 Lots 224&225 RP12R12345 Pt. 3	0.24	0.10	Shelley L. Beno	\$0.00	\$0.00	\$13.00	\$13.00
570-32500	-	Plan 1380 Lots 226&227 RP12R12345 Pt. 5	0.24	0.10	Connor Rumfeldt & Caterina Augimeri	\$0.00	\$0.00	\$13.00	\$13.00
570-32600	-	Plan 1380 Lot 228 Lot 229 RP12R12345 Pt. 6	0.24	0.10	Joseph P. & Janice M. Labreche	\$0.00	\$0.00	\$13.00	\$13.00
570-32700	-	Plan 1380 Lots 230 & 231	0.24	0.10	John B. Mailloux	\$0.00	\$0.00	\$13.00	\$13.00
570-32800	-	Plan 1380 Lot 232 RP12R12345 Pts. 10&11	0.17	0.07	Cheryl M. & Michael Todd	\$0.00	\$0.00	\$9.00	\$9.00
570-32900	-	Plan 1380 Lot 233 Pt. Lots 234&235 RP12R2299 Pts. 2&3 RP12R12345 Pt. 12	0.26	0.11 *	Houman & Fatemeh Jafarnia	\$0.00	\$22.00	\$14.00	\$36.00
570-33000	-	Plan 1380 Pt. Lots 91-94 RP12R22747 Pt. 2	0.23	0.09 *	Susan A. Knight	\$0.00	\$20.00	\$11.00	\$31.00
570-33100	-	Plan 1380 Pt. Lots 90,91&94 RP12R22747 Pt. 3	0.23	0.09 *	Community Living Essex County	\$0.00	\$20.00	\$11.00	\$31.00
570-33200	-	Plan 1380 Lot 95 Pt. Lot 94 RP12R22747 Pt. 1	0.26	0.11	George C. Copeland	\$0.00	\$0.00	\$14.00	\$14.00
570-33300	3	Plan 1380 Lot 96 Pt. Lot 97 RP12R18192 Pt. 14	0.22	0.09	Joseph & Maria Conflitti	\$0.00	\$0.00	\$11.00	\$11.00
570-33350	-	Plan 1380 Lot 98 Pt. Lots 97&99 RP12R18192 Pt. 13	0.22	0.09	Mirojub & Branislava Zagorac	\$0.00	\$0.00	\$11.00	\$11.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
570-33400	-	Plan 1380 Lot 100 Pt. Lots 99&101 RP12R18192 Pt. 12	0.22	0.09	Naci Kurt	\$0.00	\$0.00	\$11.00	\$11.00
570-33450	-	Plan 1380 Lot 102 Pt. Lots 101&103 RP18192 Pt. 11	0.22	0.09	Roxanna E. Sarkis	\$0.00	\$0.00	\$11.00	\$11.00
570-33500	-	Plan 1380 Pt. Lots 103&104 RP12R18192 Pt. 10	0.22	0.09	John J. Smith & Karen Loebach-Smith	\$0.00	\$0.00	\$11.00	\$11.00
570-33700	-	Plan 1380 Lot 76 Pt. Lot 77 RP12R18192 Pt. 9	0.19	0.08	Rudy A. & Elizabeth J. Viale	\$0.00	\$0.00	\$10.00	\$10.00
570-33710	-	Plan 1380 Lot 78 Pt. Lots 77&79 RP12R18192 Pt. 8	0.19	0.08	Luc M. Gagnon	\$0.00	\$0.00	\$10.00	\$10.00
570-33720	-	Plan 1380 Pt. Lots 79&80 RP12R18192 Pt. 7	0.19	0.08	Stacey A. Bennett	\$0.00	\$0.00	\$10.00	\$10.00
570-33730	-	Plan 1380 Lot 81 Pt. Lots 80&82 RP12R18192 Pt. 6	0.19	0.08	Milan & Svetlana Spanovic	\$0.00	\$0.00	\$10.00	\$10.00
570-33740	-	Plan 1380 Pt. Lots 82&83 RP12R18192 Pt. 5	0.19	0.08	Justin Firor & Kaylee Brown	\$0.00	\$0.00	\$10.00	\$10.00
570-33750	-	Plan 1380 Lot 84 Pt. Lots 83&85RP 12R18192 Pt. 4	0.19	0.08	Ivan & Barka Kristo	\$0.00	\$0.00	\$10.00	\$10.00
570-33760	-	Plan 1380 Pt. Lots 85&86 RP12R8192 Pt. 3	0.19	0.08	Joseph L. & Joy E. Goyeau	\$0.00	\$0.00	\$10.00	\$10.00
570-33770	-	Plan 1380 Pt. Lots 86-89 RP12R18192 Pt. 2	0.19	0.08	Susanne V. & Michael V. Matteis	\$0.00	\$0.00	\$10.00	\$10.00
570-33800	-	Plan 1380 Pt. Lots 87-89 RP12R18192 Pt. 1	0.25	0.10 *	Elon & Norma Clemmings	\$0.00	\$22.00	\$13.00	\$35.00
570-34001	3	Pt. Lot 149 RP12R4568 Pts. 1&2	9.03	3.65	Vince Mocerri Holdings Inc.	\$0.00	\$0.00	\$459.00	\$459.00
570-34010	3	Pt. Lot 148 RP12R12127 Pt. 4	0.84	0.34	Cappellino Holdings Inc.	\$0.00	\$0.00	\$57.00	\$57.00
570-34012	2	Pt. Lot 148 RP12R12127 Pt. 5	0.88	0.36	486646 Ontario Ltd.	\$0.00	\$0.00	\$60.00	\$60.00
570-34014	3	Pt. Lot 148 RP12R12127 Pt. 6	0.88	0.36	1185696 Ontario Ltd.	\$0.00	\$0.00	\$60.00	\$60.00

Roll No.	Con.	Description	Area Affected		Owner	Special	Benefit	Outlet	Total
			(Acres)	(Ha.)		Benefit			Assessment
570-34056	3	Pt. Lot 148 RP12R12127 Pt. 3	0.88	0.36	Sylvio Lesperance Jr.	\$0.00	\$0.00	\$60.00	\$60.00
570-34058	3	Pt. Lot 148 RP12R12127 Pt. 2	0.88	0.36	Bettermade Cabinets Inc.	\$0.00	\$0.00	\$60.00	\$60.00
570-34060	3	Pt. Lot 148 RP12R12127 Pt. 1	0.84	0.34	Dominant Realty Inc.	\$0.00	\$0.00	\$43.00	\$43.00
570-34200	3	S. Pt. Lots 144- 146	2.02	0.82	679637 Ontario Ltd.	\$0.00	\$0.00	\$138.00	\$138.00
570-34201	3	S. Pt. Lot 146 RP12R10386 Pt. 1	1.07	0.43	2072530 Ontario Ltd.	\$0.00	\$0.00	\$72.00	\$72.00
570-34202	3	S. Pt. Lot 146 RP12R10386 Pt. 2	1.07	0.43	Venture 4 Ltd.	\$0.00	\$0.00	\$72.00	\$72.00
570-34203	3	Pt. S. Pt. Lot 146 RP12R7712 Pt. 1	0.92	0.37	1318895 Ontario Ltd.	\$0.00	\$0.00	\$62.00	\$62.00
570-34205	3	Pt. Lots 144,145&146 RP9880 Pt. 2	2.37	0.96	Rajason Associates Inc.	\$0.00	\$0.00	\$161.00	\$161.00
570-34207	3	Pt. Lots 144&145 RP9880 Pt. 1	0.89	0.36	Gaudet's Holding Company Ltd.	\$0.00	\$0.00	\$60.00	\$60.00
570-34300	3	Pt. Lots 144-146 RP12R23680 Pts. 1,3&11-15	2.10	0.85	1000044993 Ontario Inc.	\$0.00	\$0.00	\$36.00	\$36.00
570-34310	3	Pt. Lot 144 RP10317 Pt. 1	1.83	0.74	DTSY Investments Inc.	\$0.00	\$0.00	\$124.00	\$124.00
580-00100	-	Plan 65 Pt. Lot A RP12R8316 Pt. 4	0.29	0.12	William J. Toth & Doreen E. Hynes	\$0.00	\$0.00	\$15.00	\$15.00
580-00101	-	Plan 65 Pt. Lot A RP12R8316 Pt. 3	0.24	0.10	John E. Lachowicz	\$0.00	\$0.00	\$13.00	\$13.00
580-00110	3	Plan 65 Pt. Lot 1 & Pt. Lot A RP12R6076 Pt. 3	0.59	0.24	Binh H. Luong & Ling S. Lin	\$0.00	\$0.00	\$28.00	\$28.00

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
580-00200	3	PL 65 Pt. Lot 1 RP12R6076 Pt. 2	0.62	0.25	Jon M. & Patricia A. Grubisich	\$0.00	\$0.00	\$29.00	\$29.00
580-00201	3	PL 65 Pt. Lot 1 RP12R6076 Pt. 1	0.59	0.24	Wanda Johnston	\$0.00	\$0.00	\$28.00	\$28.00
580-00202	3	Plan 65 Pt. Lot 1 Pt Lot A RP12R4377 Pt. 2	0.60	0.24	Faize O. Antwan	\$0.00	\$0.00	\$28.00	\$28.00
580-00203	3	Pt. Lot 1 Plan 65 Pt. Lot A RP12R4377 Pt. 1	0.60	0.24	Vittorio Rotondi	\$0.00	\$0.00	\$28.00	\$28.00
580-00204	3	Plan 65 Pt. Lot 1 Pt. BLK A RP12R11482 Pt. 1	1.43	0.58	Tilda Zanet	\$0.00	\$0.00	\$73.00	\$73.00
580-00500	3	S. Pt. Lot 142 Plan 65 Pt. Lot 1&A	1.00	0.40	Rami Dawoud	\$0.00	\$0.00	\$50.00	\$50.00
580-00550	3	Pt. Lot 141 RP12R10914 Pt. 1	0.47	0.19	Mark Charette & Tricia Hunter	\$0.00	\$0.00	\$24.00	\$24.00
580-05400	3	Plan 65 Lot 3 & Pt Lots 1,2&4	30.09	12.18	1000227395 Ontario Ltd.	\$0.00	\$0.00	\$511.00	\$511.00
580-05500	3	Plan 65 Pt. Lot 2	0.34	0.14	Mirna Khozmy	\$0.00	\$0.00	\$18.00	\$18.00
580-05600	3	S. Pt. Lot 143	1.00	0.40	Carl G. & Karen Baillargeon	\$0.00	\$0.00	\$34.00	\$34.00
580-05602	3	Plan 65 Pt. Lot 1 RP12R8397 Pt. 1	0.47	0.19	Marc T. & Carole M. Whaling	\$0.00	\$0.00	\$24.00	\$24.00
580-05700	3	Plan 65 Pt. Lot 1 RP12R8397 Pt. 2	0.53	0.21	Peter & Nicole Catterson	\$0.00	\$0.00	\$26.00	\$26.00
580-05800	-	Plan 65 Pt. Lot 1 RP12R8316 Pt. 1	0.23	0.09	Isfendiyar & Canan Ozcan	\$0.00	\$0.00	\$11.00	\$11.00
580-05802	-	Plan 65 Pt. Lot 1&A RP12R8316 Pt. 2	0.23	0.09	John S. & Linda K. Trella	\$0.00	\$0.00	\$11.00	\$11.00
Total on Privately-Owned - Non-Agricultural Lands.....						\$0.00	\$1,265.00	\$10,402.00	\$11,667.00

PRIVATELY-OWNED - AGRICULTURAL LANDS (GRANTABLE)

Roll No.	Con.	Description	Area Affected		Owner	Special Benefit	Benefit	Outlet	Total Assessment
			(Acres)	(Ha.)					
560-04100	11	N. Pt. Lot 17	5.28	2.14	Kevin & Lorrie L. MacKenzie	\$0.00	\$0.00	\$90.00	\$90.00
560-04170	11	Pt. Lot 18 RP12R4040 Pt. 7	2.12	0.86	Janet E. Lavin	\$0.00	\$0.00	\$36.00	\$36.00
560-04400	11	W. Pt. Lot 18 RP12R5571 Pt. Pt. 1	7.28	2.95	Deborah Tracey	\$0.00	\$0.00	\$124.00	\$124.00
560-04500	11	N. Pt. Lot 18 RP124040 Pt. 2	20.00	8.09	Pierina Civitillo & Anna Shahbazi	\$0.00	\$0.00	\$1,018.00	\$1,018.00
570-34000	3	Pt. Lot 148 RP12R1772 Pts. 1&2	6.00	2.43	2041235 Ontario Ltd.	\$0.00	\$0.00	\$102.00	\$102.00

Roll No.	Con.	Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
560-05200	11	Lots 18&19 RP12R13048 Pt. 1 RP 12R26775	15.37	6.22	James Sylvestre Development Ltd.	\$0.00	\$0.00	\$782.00	\$782.00
560-05300	11	Pt. Lots 19&20 RP12R26417 Pt. 1	6.32	2.56	851381 Ontario Ltd.	\$0.00	\$0.00	\$322.00	\$322.00
570-34100	3	Pt. Lot 147	11.81	4.78	Clement & Eugene C. Lachance	\$0.00	\$0.00	\$601.00	\$601.00
Total on Privately-Owned - Agricultural Lands (Grantable).....						\$0.00	\$0.00	\$3,075.00	\$3,075.00
TOTAL ASSESSMENT (Town of Tecumseh)						\$0.00	\$4,621.00	\$19,261.00	\$23,882.00

	(Acres)	(Ha.)
Total Area:	415.36	168.09

CITY OF WINDSOR

MUNICIPAL LANDS:

Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
Urban Block Assessment Lands	20.00	8.09	City of Windsor	\$0.00	\$0.00	\$509.00	\$509.00
Total on Privately-Owned - Municipal Lands.....				\$0.00	\$0.00	\$509.00	\$509.00
TOTAL ASSESSMENT (City of Windsor)				\$0.00	\$0.00	\$509.00	\$509.00

	(Acres)	(Ha.)
Total Area:	20.00	8.09

MUNICIPALITY OF LAKESHORE

MUNICIPAL LANDS:

Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
County Road No. 19 (Manning Road)	0.64	0.26 *	County of Essex	\$0.00	\$45.00	\$55.00	\$100.00
County Road No. 42	0.85	0.34 *	County of Essex	\$0.00	\$158.00	\$71.00	\$229.00
170-07000	3.92	1.59 *	County of Essex	\$0.00	\$115.00	\$67.00	\$182.00
Total on Privately-Owned - Non-Agricultural Lands.....				\$0.00	\$318.00	\$193.00	\$511.00

PRIVATELY-OWNED - NON-AGRICULTURAL LANDS:

Roll No.	Con.	Description	Area Affected (Acres) (Ha.)		Owner	Special Benefit	Benefit	Outlet	Total Assessment
220-03350	WPC	Pt. Lot 10	1.24	0.50 *	2246728 Ontario Inc.	\$0.00	\$61.00	\$37.00	\$98.00
Total on Privately-Owned - Non-Agricultural Lands.....						\$0.00	\$61.00	\$37.00	\$98.00
TOTAL ASSESSMENT (Town of Lakeshore)						\$0.00	\$379.00	\$230.00	\$609.00

	(Acres)	(Ha.)
Total Area:	6.65	2.69

OVERALL TOTAL ASSESSMENT	\$0.00	\$5,000.00	\$20,000.00	\$25,000.00
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	(Acres)	(Ha.)
Total Area:	442.01	178.87

* denotes Benefit Assessment lands fronting County Road No. 42

"SCHEDULE F"
DRAINAGE REPORT FOR THE
COUNTY ROAD NO. 42 DRAIN
IN THE TOWN OF TECUMSEH, CITY OF WINDSOR & MUNICIPALITY OF LAKESHORE
SPECIAL PROVISIONS - GENERAL

1.0 GENERAL SPECIFICATIONS

The General Specifications attached hereto is part of "Schedule F." It also forms part of this specification and is to be read with it, but where there is a difference between the requirements of the General Specifications and those of the Special Provisions which follow, the Special Provisions will take precedence.

2.0 DESCRIPTION OF WORK

The work to be carried out under this Contract includes, but is not limited to, the supply of all **labour, equipment and materials** to complete the following items:

- Supply and install concrete A257.2 65-D storm sewers, as follows:
 - Sta. 0+000 to Sta. 0+537.3 - Supply and install 537.3 m of 1800 mm diameter reinforced concrete pipe.
 - Sta. 0+537.3 to Sta. 0+656.3 - Supply and install 119.0 m of 1465 mm x 2305 mm elliptical reinforced concrete pipe.
 - Sta. 0+656.3 to Sta. 2+352.2 - Supply and install 1,695.9 m of 1800 mm diameter reinforced concrete pipe.
 - Sta. 2+352.2 to Sta. 2+502.1 - Supply and install 149.9 m of 1200 mm diameter reinforced concrete pipe.
 - Sta. 2+502.1 to Sta. 2+799.2 - Supply and install 297.1 m of 1050 mm diameter reinforced concrete pipe.
 - Sta. 2+799.2 to Sta. 2+949.2 - Supply and install 150 m of 900 mm diameter reinforced concrete pipe.
 - Sta. 2+949.2 to Sta. 3+069.3 - Supply and install 120.1 m of 750 mm diameter reinforced concrete pipe.
- Supply and install concrete storm manholes complete with frame and grate, as follows:
 - 1500 mm diameter (1 required)
 - 1500 mm diameter (1 required) complete with cast iron grate and open cover and connect to existing 750 mm diameter concrete pipe. (Dame Drain)
 - 1800 mm diameter (3 required)
 - 2400 mm diameter (1 required)
 - 3000 mm diameter (21 required)
 - 3600 mm diameter (1 required)
 - 3600 mm x 2440 mm (2 required)

- Supply and install oil and grit separator at approximately Station 0+028. (CDS Hydrodynamic Separator Unit by Contech Model #9280-12-F)
- Supply and install Pike Creek outfall including clearing and grubbing, headwall, chute blocks and grate, turbidity curtain and temporary coffer dam and stone erosion protection (approximately 550 m²).
- Removal of existing private access bridges off-site complete with headwalls (approximately 310 m of 700-900 mm diameter pipes).
- Clearing and grubbing of existing ditch (11th Concession Drain) including removal of organic material and topsoil. Filling in of existing drain with benching per OPSD 208.010. *Note: Soils used for the filling of the drain shall be handled in accordance with O.Reg 406/19 On-Site and Excess Soils Management*
- Removal of existing 300 mm diameter storm sewer along County Road No. 42 (Dame Drain East Branch) (approximately 225 metres long) complete with catch basins.
- Removal and disposal of existing twin inlet catch basin manhole on the Dame Drain off-site.
- Temporary Silt Control Measures During Construction

3.0 ACCESS TO THE WORK

Access to the drain shall be from County Road No. 42 right-of-way. The Contractor shall make his/her own arrangements for any additional access for his/her convenience. All road areas and grass lawn areas disturbed shall be restored to original conditions at the Contractor's expense.

4.0 WORKING AREA

The working area shall be within the County Road No. 42 right-of-way.

5.0 STORM SEWERS AND CULVERTS

General

OPSS.MUNI 407, 409, 410 and 514 shall apply and govern the work except as amended or extended herein.

Scope of Work

Storm sewers and culverts shall be supplied and installed as shown on the Contract Drawings and described herein including connections to existing sewers or manholes, private service connections, reconnection of existing catchbasins and private drain connections, and supply and installation of grates.

The new sewers and culverts shall be kept dry at all times by pumping or other means.

Excavation

The Contractor shall note that the installation of storm sewers shall be completed with full height trench support in order to minimize trench width and restoration requirements. The Contractor shall be responsible to ensure that the use of engineered or prefabricated trench support systems are appropriate to comply with all regulations issued by the Ministry of Labour for the Province of Ontario in regard to work in open trenches.

The Contractor shall be responsible for the full costs of repair or replacement of asphalt pavement, as determined by the Engineer, including excavation, removal of existing asphalt, Granular “A”, paving equipment, labour, traffic control, and any other costs associated with replacement of asphalt which is damaged by the Contractor’s negligence as part of this work. The repair/replacement shall be inspected and approved by the Engineer and the County prior to project completion.

The Contractor will be responsible for minimizing disturbance to existing hydro and telecommunication poles including guy poles. The Contractor shall provide support as required and coordinate with Hydro One for support of Hydro One owned poles.

Excavated Materials

All excavated materials determined by the Engineer to be unsuitable or in excess for backfill, including earth, rock, broken concrete, rubble and broken asphalt, shall be removed from the work by the Contractor. The Contractor shall make arrangement for disposal and must comply with legislation governing disposal sites as outlined within the Contract Documents.

All excess material, as well as select native material which is to be used for backfill is to be placed directly into trucks and either hauled from the site or used to backfill the sewer trench, in accordance with the Contract Drawings.

The cost of removal and disposal of excess materials shall be included in the Contractor’s Tender unit prices for storm sewers and culverts.

No sidcasting of excavated materials will be permitted without the approval of the Engineer.

Utility Supports

Where required, the Contractor shall construct utility supports following specifications and requirements of the respective Utility Companies. Utility supports shall be considered incidental to sewer construction. No payment shall be made for supports either temporary or permanent.

Utility supports shall be constructed as required by the respective utility companies per their respective standards and guidelines as outlined therein.

Control of Water

The Contractor shall be solely responsible for insuring that all work is carried out in the dry and that partially completed work shall remain dry.

The method(s) of controlling surface or sub-surface water shall be by pumping or other methods as may be approved by the Engineer.

The Contractor shall assume full responsibility for all damages done to the works through the influence of water. They shall immediately repair any damage so caused without cost to the Owner.

Pipe Material

All storm sewer pipe material shall be as indicated on the Contract Drawings.

HDPE culverts shall be CSA approved and have a pressure rating of 320 kPa PVC culverts shall be DR 35.

Grate

A specialized grate will be required at Station 0+000, and shall be fabricated as per the detail on the Contract Drawings. The Contractor shall provide shop drawings stamped by a registered Professional Engineer in the Provincial of Ontario for review by the Engineer. The Engineer shall be provided five business days for review of the shop drawings.

Maximum Acceptable Grade Tolerances

Maximum acceptable deviations in the sewer grade shall be $\pm 0.02\%$ which is equivalent to 20 mm in 100 m of installation.

Bedding & Cover Material

Class "B" bedding and cover material shall be Granular "A", compacted to 98 percent of the Standard Proctor Maximum Dry Density, to the dimensions detailed on the Contract Drawings (300 mm above the top of the pipe) unless under roadway.

The use of "sewer stone" bedding which complies with the following gradation specification will be permitted. In the presence of existing, fine-grained granular material, the pipe bedding is to be completely enclosed in a non-woven geotextile to prevent infiltration of fines.

Sieve Designation (inches)	Percent Passing
1	100
3/4	96-100
5/8	78-93
1/2	51-88
3/8	26-62
No. 4	5-14
No. 8	0-5

Backfill & Compaction

Sewer trench backfill shall be Granular "A" or recycled material under all paved surfaces including driveways, sidewalks and trails, and within 1 metre of back of curb and 1 metre from the edge of shoulder unless otherwise specified. Select native material is acceptable at other locations.

Granular backfill material is to be mechanically compacted to a minimum of 100 percent of the Standard Proctor Maximum Dry Density in maximum 300 mm lifts. Native backfill material is to be mechanically compacted to a minimum of 98 percent of the Standard Proctor Maximum Dry Density in maximum 300 mm lifts.

Backfilling operations are to follow immediately behind sewer and culvert installation. Where bracing, shoring and/or sheeting is used to support the sides of the excavation or to prevent movements that could damage other services or adjacent pavements, this support shall be removed as backfilling proceeds.

Non-Shrink Fill Material

Portland cement stabilized granular backfill, known as non-shrink fill, shall be used to backfill excavations within the limits of the roadway, including a distance up to 1 m from the edge of shoulder, where working space is limited.

This includes excavations adjacent to structures such as manholes and catchbasins, or any other location where standard hoe-pack equipment cannot be used for mechanical compaction of backfill material.

Materials to be used for non-shrink fill material shall have the following properties:

- a) Cement type - Normal Portland.
- b) Aggregate shall be Granular "A" or Granular "B" Type 1 with 100 percent passing the 1.5 inch sieve.
- c) Slump at point of discharge shall be 150 mm to 200 mm.
- d) Admixtures shall conform to OPSS 1303 but calcium chloride or pozzolanic mineral admixtures shall not be used. Air entraining admixtures may be added if desired to reduce segregation.
- e) Minimum 24-hour strength to be 70 kilopascals and minimum 28 day strength to be 700 kilopascals.

Mix proportions shall be selected in accordance with the latest revision of Section 14 of CSA Specification CAN3-A23.1-M77 where applicable. Approximate proportion per cubic yard for estimating only, - 19 kg of cement, 1637 kg of Granular "A".

Non-shrink fill material shall flow into the excavation so that the entire space is filled and be excavatable in the future.

Maintenance of Flow in Sewers, Drains and Ditches

The Contractor shall, at its own cost and expense, permanently provide for and maintain the flow of all sewers, catchbasin leads, drains, ditches, and water courses which may be encountered during the progress of the work, including the connection of existing drains to the new sewer.

Should the Contractor wish to divert, block or otherwise impede or alter flows in any existing sewers, drains, ditches or waste courses, it shall be required to submit details and sketches of its proposed methods, to the Engineer and/or Conservation Authority, DFO, MNR and other regulatory agencies for approval, prior to proceeding. This submission shall include any emergency measures which may be required in the event of heavy rainfalls, sewer surcharging, flooding, etc. The Contractor shall provide written confirmation that all materials used have been removed and the sewers, drains, ditches or water courses have been restored to original condition or to the satisfaction of the Engineer. Such restoration may include but not be limited to the flushing of sewers, topsoil, planting of grass or vegetation, rip rap.

Connection to Existing Sewers and Culverts

The Contractor to note that all new connections into the existing storm sewer requires the use of a Kor-N-Seal connection or approved equal as agreed by the Engineer and the County.

All connections to existing culverts shall be made using approved couplers.

Closed Circuit Television Inspection

The Contractor shall have the sewers flushed and professionally videoed, in accordance with OPSS 409 and to the satisfaction of the Engineer. All installed sewers are to be flushed, and camera inspected at the start and end of maintenance (two inspections). Reports are to be provided to the Engineer for review. Installed culverts are exempt from this requirement.

The Contractor shall satisfy themselves of the acceptability of installed sewers prior to completing restoration. Any restoration over installed sewers that have not been CCTV inspected and reviewed and accepted by the Engineer shall be done at the Contractor's own risk.

The Owner and the Engineer reserve the right to direct the Contractor to conduct a CCTV inspection during the course of construction if it is deemed appropriate to investigate the quality of the Contractor's work. The Contractor shall schedule this work to ensure that a representative of the Owner and the Engineer are on-site full-time during this CCTV inspection.

A provisional item for CCTV inspection of existing sewers to determine private drain connection locations has been included and is to be used if locating private drain connections cannot be done by other means.

Quality Control of Concrete Sewer Pipe

The Owner reserves the right to have third party inspection completed on a section of concrete pipe at locations as decided by the Owner and Engineer. Testing methods will be non-destructive in nature, unless there is sufficient reasoning to perform more invasive testing to confirm the pipe meets quality standards, as deemed by the Owner and Engineer.

Should unacceptable pipe materials be encountered, the cost of labour, materials and equipment necessary to remove the unacceptable work, as well as the costs associated with undertaking the third party inspection of the work, shall be borne by the Contractor.

Temporary Roadway Restoration

The Contractor shall restore and maintain (including dust control) the roadway over the sewer trench with Granular "A" materials for purposes of maintaining access to properties.

Measurement for Payment

Sewers and culverts shall be measured in metres horizontally from centre of manholes or from connection point or end point.

The grate shall be measured on an each basis.

No measurement shall be made for connections to existing culverts, sewers and manholes.

No measurement shall be made for maintenance of flows or CCTV inspection of new sewers. Flushing and CCTV inspection of existing sewers shall be measured on an hourly basis.

6.0 STORM MANHOLES

General

OPSS.MUNI 407 shall apply and govern except as amended or extended herein.

Scope of Work

Precast concrete manholes are to be supplied and installed in conjunction with the installation of the sewer and shall be equipped with cast iron frames and covers to OPSD 401.010 (Type A), ladder rungs to OPSD 405.020 and adjustment units shall be IPEX Lifesaver Adjustment Rings. Type 20 cement shall be used for all manholes.

The Contractor shall consider the elevation of the future road as shown in the drawings when placing

adjustment rings and shall ensure that there is an adequate number of adjustment rings to facilitate lowering of the roadway in a future roadwork contract.

The Contractor shall be responsible to ensure that the use of engineered or prefabricated trench support systems are appropriate to satisfy the requirements of the Occupational Health and Safety Act.

The location of private drain connections may be revised depending on final locations confirmed with landowners. An extra credit to the tendered price shall only be considered if there is a 300 mm or more difference between the asbuilt depth to invert and the design depth to invert.

Backfill

Backfill shall be Granular "A", mechanically compacted to 100 percent of the Standard Proctor Maximum Dry Density. Handheld mechanical compaction equipment or non-shrink fill shall be used where other conventional compaction equipment cannot be used.

Utility Supports

Where required, the Contractor shall construct utility supports following specifications and requirements of the respective Utility Companies. Utility supports shall be considered incidental to sewer construction. No payment shall be made for supports either temporary or permanent.

Utility supports shall be constructed as required by the respective utility companies per their respective standards and guidelines as outlined therein.

7.0 OIL AND GRIT SEPARATOR

General

OPSS.MUNI 407, 410, 510, and supplier installation specifications shall apply and govern the work except as amended or extended herein.

Scope of Work

An Oil-Grit Separator as specified on the Contract Drawings (or approved equal) is to be supplied and installed in conjunction with the installation of the sewer and shall be equipped with frame, cover, inlet and outlet pipes, fiberglass insert, neoprene or nitrile rubber gaskets, safety grate, ladder rungs, drop pipe, riser pipe, and an oil port.

The Contractor shall provide a shop drawing from the OGS manufacturer to the Engineer for review/approval.

8.0 PIKE CREEK OUTFALL, HEADWALL, CHUTE BLOCKS & GRATE, TURBIDITY CURTAIN & TEMPORARY COFFER DAM

General

OPSS.MUNI 182, 206, 402, 805, 902, 1005, 1860 shall apply and govern except as otherwise amended or extended herein.

Scope of Work

The Contractor shall complete the work identified on Sheets U26 and U27 in the Contract Drawings including excavation, grading, headwall installation, sheeting, coffer dam and/or other passive measures to provide physical separation for construction staging and associated maintenance of flows. The Contractor shall submit a plan detailing the proposed water management strategy for review and approval at least two weeks prior to commencing with the work.

Erosion protection work and rip rap/riverstone is included in a separate item.

9.0 RIP RAP WITH FILTER CLOTH AND RIVER STONE

General

OPSS.MUNI 511, 1004 and 1005 and OPSS.PROV 825 shall apply and govern the work except as amended or extended herein.

Scope of Work

The Contractor shall supply, and place rip rap and river stone as shown on the Contract Drawings at the end of the sewer outlets to roadside ditches and drains.

The rip rap shall be R-50, minimum 350 mm thickness on drain bank as per OPSS.MUNI 1004 and Class II rip rap as detailed on the drawings placed to thicknesses shown in the drawings on a single layer of Terrafix 270R geotextile or approved equal. The rip rap shall be hand placed in such a manner as to provide a reasonably smooth surface with voids between large rocks filled with smaller rocks.

The Class II rip rap is to be installed at the Pike Creek Outfall as shown in the Contract Drawings and shall be grouted in place along the drain bottom using lean concrete.

River stone shall be WB-53 as per OPSS.MUNI 1005 and shall be placed atop the grouted rip rap at the Pike Creek Outfall as shown in the Contract Drawings.

10.0 REMOVAL/ABANDONMENT OF EXISTING STORM SEWERS AND CULVERTS

General

OPSS.MUNI 510 shall apply and govern except as amended or extended herein.

Scope of Work

The Contractor will be required to remove and dispose of existing storm sewers, catchbasin leads, and culverts (all material types), as identified on the Contract Drawings or as directed by the Engineer.

Backfilling of void left behind shall be considered part of this work. Backfill under all paved surfaces including driveways, sidewalks and trails, and within 1 metre of back of curb and 1 metre from the edge of shoulder shall be Granular "A" compacted in maximum 300 mm lifts to 100 percent Standard Proctor Dry Density. Backfill in other areas can be approved recycled granular or native material compacted to 98 percent of the Standard Proctor Maximum Dry Density in maximum 300 mm lifts.

No claim for delays will be paid for sewers encountered that were not shown on the drawings.

The Contractor will be required to form end seal or brick and parge the existing sewers and culverts and fill with 4 MPa non-shrink fill as determined by the Engineer if the sewer has been deemed unable to be removed (Provisional).

The Contractor shall take all necessary precautions to ensure that the sewers/leads are identified, and all live connections are reconnected to the new sewer system as required, including dye testing, etc., as may be necessary to satisfy the Engineer that all connections have been identified and reconnected. Should other means of locating connections prove unsuccessful, CCTV inspection of the sewers may be required as approved by the Engineer. Costs associated with flushing and CCTV of existing sewers shall be paid under separate items in the Form of Tender.

The Contractor shall maintain all drainage, including catchbasins prior to removing sewers.

11.0 HYDRAULIC SEED AND MULCH

General

OPSS.MUNI 804 shall apply and govern the work except as amended or extended herein.

Scope of Work

The new swale banks and boulevard areas, as a result of the works shall be top dressed with a minimum 100 mm layer of topsoil, graded and hydraulic mulch seeded as specified herein. 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. The areas shall then be seeded with Primary Seed Type 1 Canada No. 1 grass seed mixture, as follows:

<i>Creeping Red Fescue</i>	50%
<i>Canada Bluegrass</i>	35%
<i>Perennial Ryegrass</i>	15%

Bags shall bear the label of the supplier indicating the content by species, grade and mass. Seed shall be applied at a rate of 100 kg per 10,000 m².

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.

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 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 Engineer.

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.

Depending on the completion of the road works, the placement of the hydro-seeding may be delayed until the following spring. No additional costs will be entertained for the Owner delaying these works.

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.

12.0 SITE CLEANUP AND RESTORATION

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.

GENERAL SPECIFICATIONS

1.0 AGREEMENT AND GENERAL CONDITIONS

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.

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.

Tenders will be received and contracts awarded only in the form of a lump sum contract for the completion of the whole work or of specified sections thereof. The Tenderer agrees to enter into a formal contract with the Municipality upon acceptance of the tender. The General Conditions of the contract and Form of Agreement shall be those of the Stipulated Price Contract CCDC2-Engineers, 1994 or the most recent revision of this document.

2.0 EXAMINATION OF SITE, PLANS AND SPECIFICATIONS

Each tenderer must visit the site and review the plans and specifications before submitting his/her tender and must satisfy himself/herself as to the extent of the work and local conditions to be met during the construction. Claims made at any time after submission of his/her tender that there was any misunderstanding of the terms and conditions of the contract relating to site conditions, will not be allowed. The Contractor will be at liberty, before bidding to examine any data in the possession of the Municipality or of the Engineer.

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/her tender.

3.0 MAINTENANCE PERIOD

The successful Tenderer shall guarantee the work for a period of one (1) year from the date of acceptance 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.

4.0 GENERAL CO-ORDINATION

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.

5.0 RESPONSIBILITY FOR DAMAGES TO UTILITIES

The Contractor shall note that overhead and underground utilities such as hydro, gas, telephone and water are not necessarily shown on the drawings. It is the Contractor's responsibility to contact utility companies for information regarding utilities, to exercise the necessary care in construction operations and to take other precautions to safeguard the utilities from damage. 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 are to be followed as if they were part of this specification. The Contractor will be liable for any damage to utilities.

6.0 CONTRACTOR'S LIABILITY

The Contractor, his/her agents and all workmen or persons under his/her 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.

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.

7.0 PROPERTY BARS AND SURVEY MONUMENTS

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.

8.0 MAINTENANCE OF FLOW

The Contractor shall, at his/her own cost and expense, permanently provide for and maintain the flow of all drains, ditches and water courses that may be encountered during the progress of the work.

9.0 ONTARIO PROVINCIAL STANDARDS

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.

10.0 APPROVALS, PERMITS AND NOTICES

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.

11.0 SUBLETTING

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.

12.0 TIME OF COMPLETION

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 in a timely manner.

13.0 TRAFFIC CONTROL

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. 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.

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.

14.0 SITE CLEANUP AND RESTORATION

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.

15.0 UTILITY RELOCATION WORKS

In accordance with Section 26 of the Drainage Act, if utilities are encountered during the installation of the drainage works that conflict with the placement of the new culvert, the operating utility company shall relocate the utility at their own costs. The Contractor however will be responsible to co-ordinate these required relocations (if any) and their co-ordination work shall be considered incidental to the drainage works.

16.0 FINAL INSPECTION

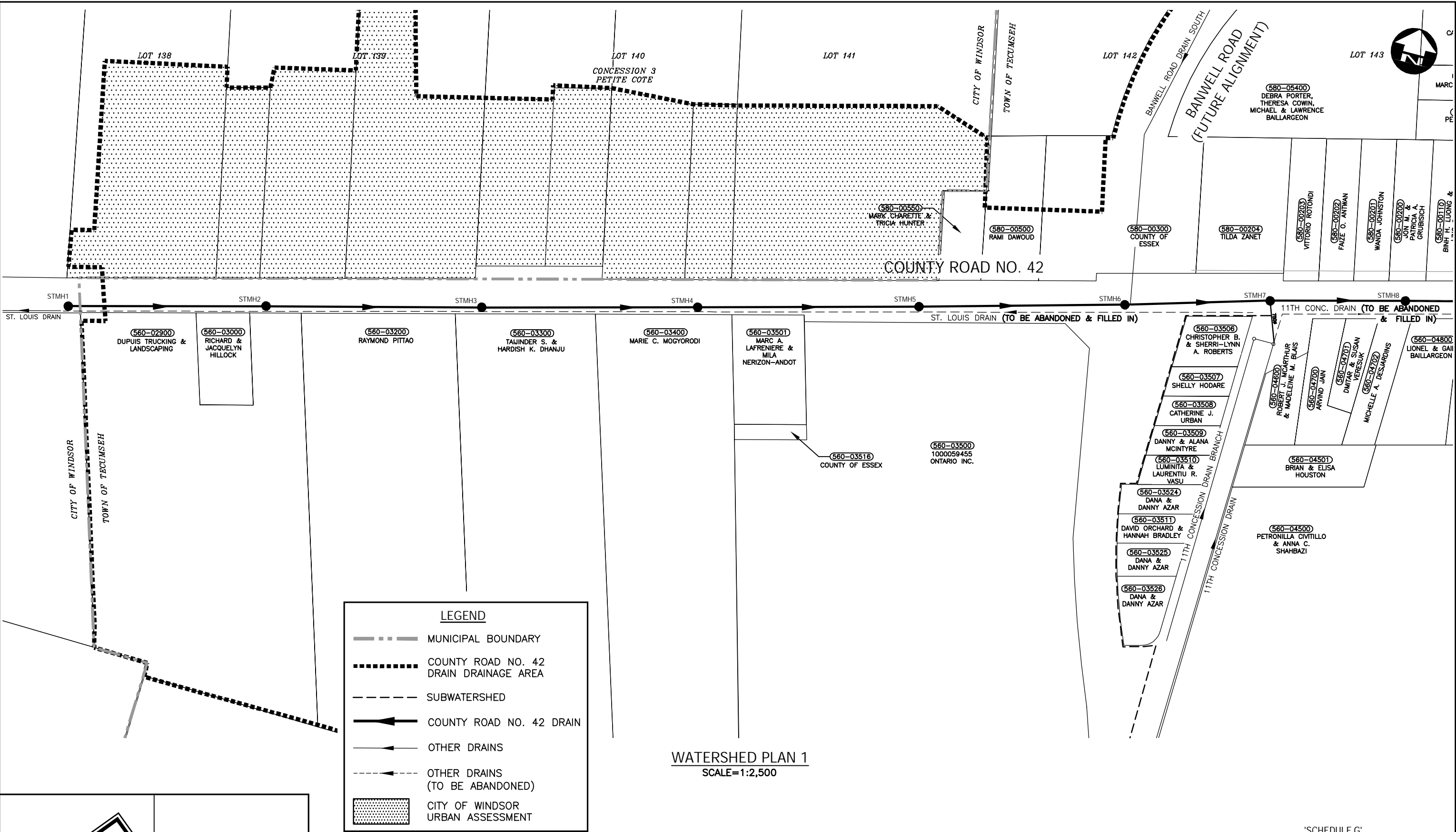
All work shall be carried out to the satisfaction of the Drainage Superintendent for the Municipality, in compliance with the specifications, drawings and the Drainage Act. Upon completion of the project, the work will be inspected by the Engineer and the Drainage Superintendent. Any deficiencies noted 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.

17.0 FISHERIES CONCERNS

Standard practices to be followed to minimize disruption to fish habitat include embedment of the culvert a minimum 10% below grade, constructing the work 'in the dry' and cutting only trees necessary to do the work (no clear-cutting). No in-water work is to occur during the timing window unless otherwise approved by the appropriate authorities.

Jan 21, 2025 -- 2:53pm C:\pw working directory\projects 2018\33\wlb\dms43194\188340-03-DRN-CON (3).dwg



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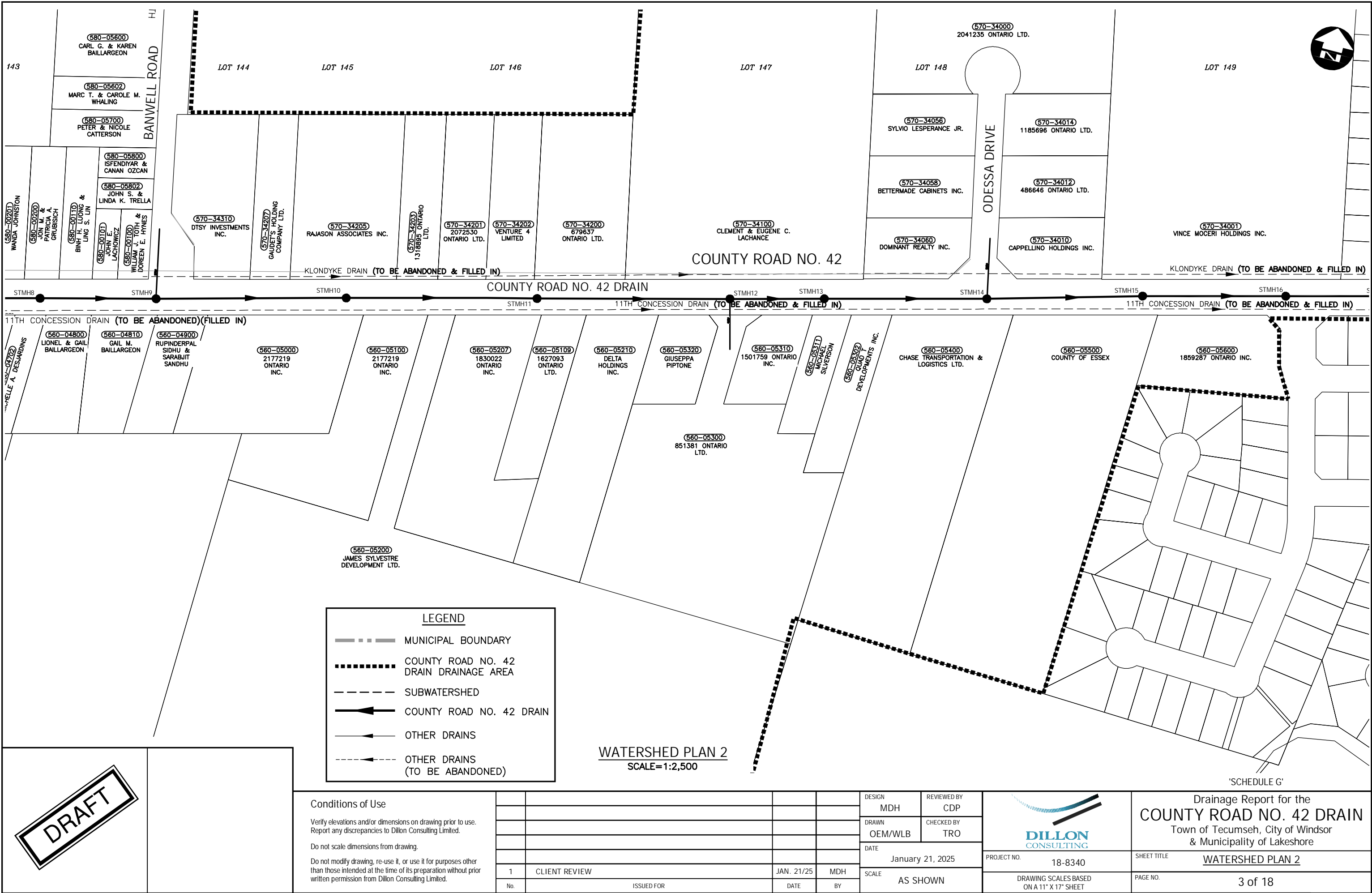
1	CLIENT REVIEW	JAN. 21/25	MDH		
No.	ISSUED FOR	DATE	BY		

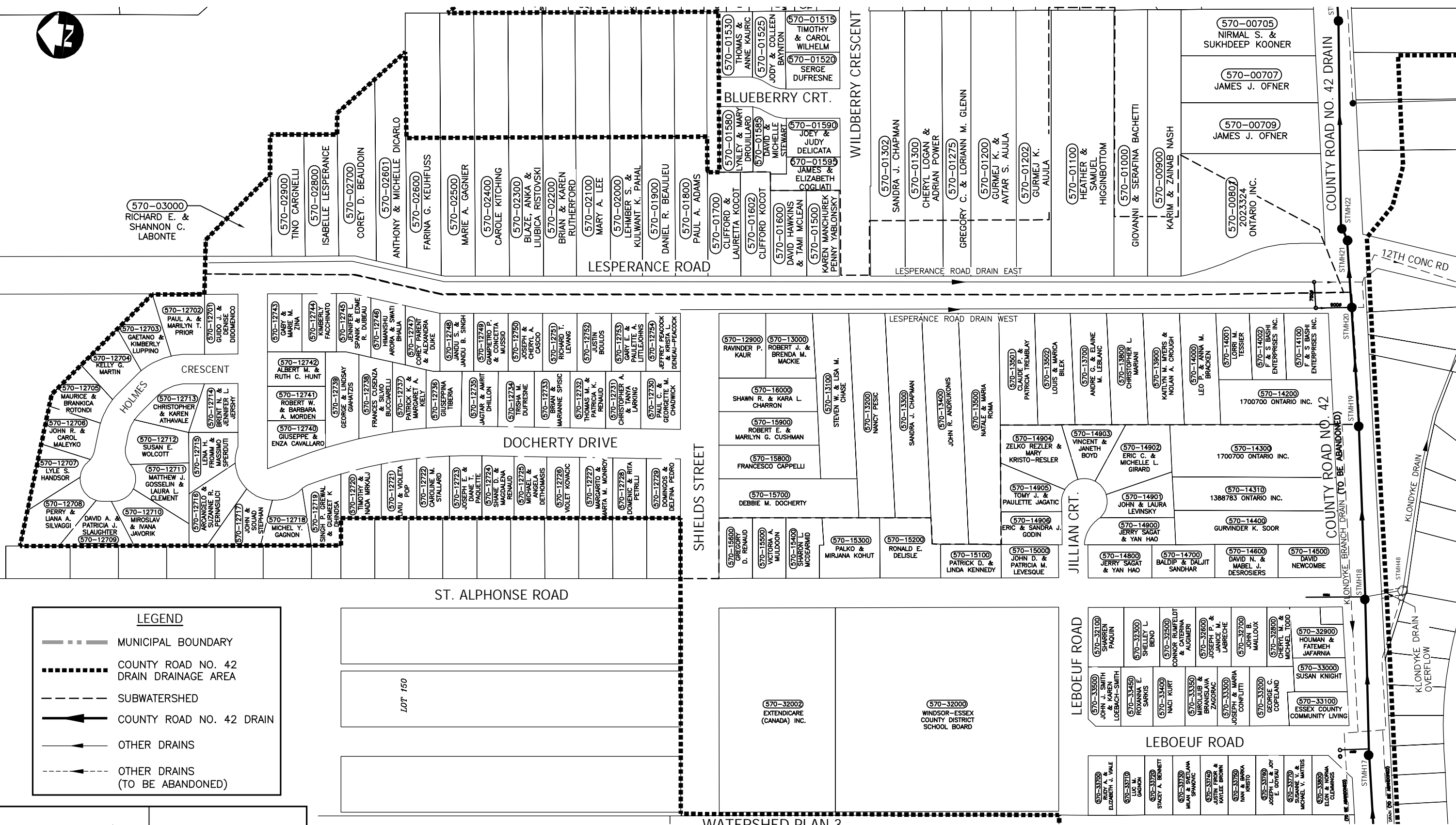
DESIGN	REVIEWED BY
MDH	CDP
DRAWN	CHECKED BY
OEM/WLB	TRO
DATE	
January 21, 2025	
SCALE	
AS SHOWN	

PROJECT NO.
18-8340
DRAWING SCALES BASED ON A 11" X 17" SHEET

'SCHEDULE G'	
Drainage Report for the COUNTY ROAD NO. 42 DRAIN Town of Tecumseh, City of Windsor & Municipality of Lakeshore	
SHEET TITLE	WATERSHED PLAN 1
PAGE NO.	2 of 18

Jan 21, 2025 - 2:53pm C:\pwworking\directory\projects\2018\33\wb\dms43194\188340-03-DRN-CON (3).dwg





Jan 21, 2025 - 2:54pm C:\pwworking\directory\projects 2018\33\mb\dms43194\188340-03-DRN-CON (3).dwg



LEGEND

MUNICIPAL BOUNDARY

COUNTY ROAD NO. 42 DRAIN DRAINAGE AREA

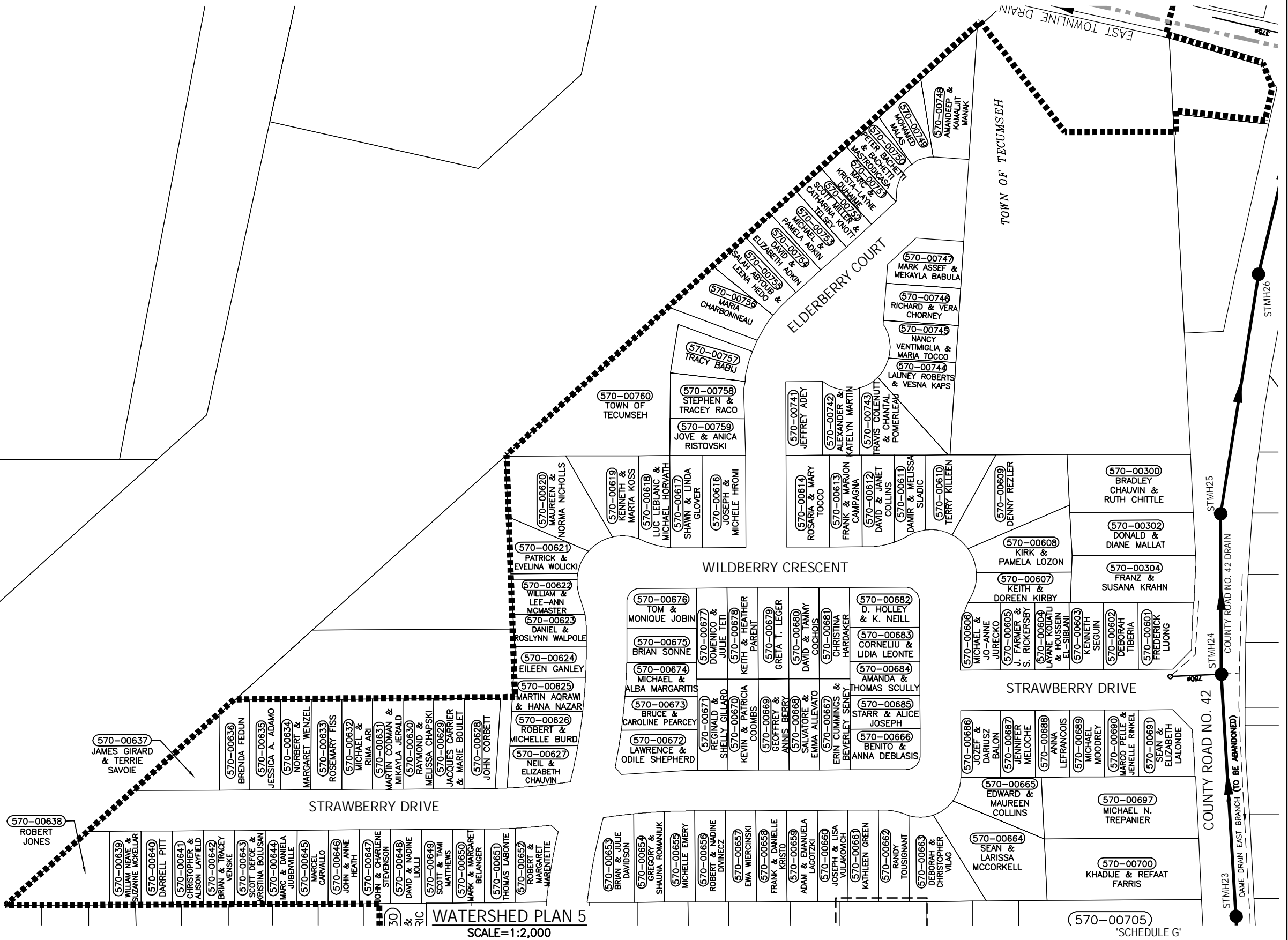
SUBWATERSHED


COUNTY ROAD NO. 42 DRAIN

OTHER DRAINS

OTHER DRAINS (TO BE ABANDONED)

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<div>Conditions of Use</div> <div>Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.</div> <div>Do not scale dimensions from drawing.</div> <div>Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.</div>					DESIGN MDH	REVIEWED BY CDP	 <div>DILLON CONSULTING</div>	Drainage Report for the COUNTY ROAD NO. 42 DRAIN Town of Tecumseh, City of Windsor & Municipality of Lakeshore	
					DRAWN OEM/WLB	CHECKED BY TRO			
					DATE January 21, 2025			PROJECT NO. 18-8340	SHEET TITLE <u>WATERSHED PLAN 5</u>
					SCALE AS SHOWN			DRAWING SCALES BASED ON A 11" X 17" SHEET	PAGE NO. 6 of 18
	1	CLIENT REVIEW	JAN. 21/25	MDH					
	No.	ISSUED FOR	DATE	BY					

Jan 21, 2025 - 2:55pm C:\pw\working\directory\projects\2018\33\wlb\dms43194\188340-03-DRN-CON (3).dwg



LEGEND

MUNICIPAL BOUNDARY

COUNTY ROAD NO. 42 DRAIN DRAINAGE AREA

SUBWATERSHED

COUNTY ROAD NO. 42 DRAIN

OTHER DRAINS

OTHER DRAINS (TO BE ABANDONED)

WATERSHED PLAN 6
SCALE=1:2,500

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DATE	January 21, 2025		
SCALE	AS SHOWN		



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CONSULTING

PROJECT NO.
18-8340

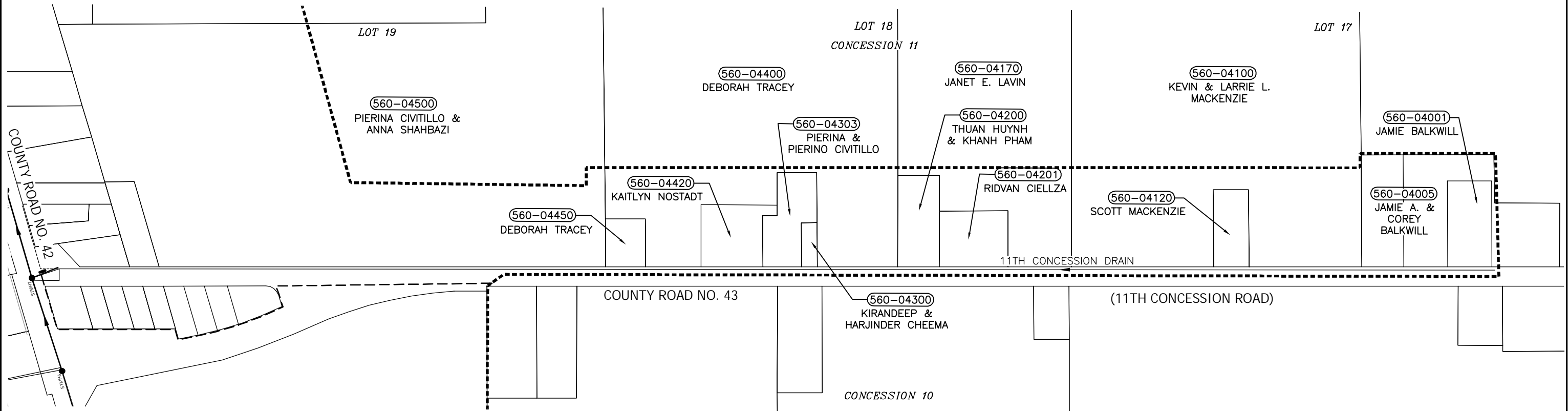
DRAWING SCALES BASED
ON A 11" X 17" SHEET

'SCHEDULE G'

Drainage Report for the
COUNTY ROAD NO. 42 DRAIN
Town of Tecumseh, City of Windsor
& Municipality of Lakeshore

SHEET TITLE
WATERSHED PLAN 6

PAGE NO.
7 of 18



WATERSHED PLAN 7
SCALE=1:4,000

LEGEND

MUNICIPAL BOUNDARY

COUNTY ROAD NO. 42
DRAIN DRAINAGE AREA

SUBWATERSHED

COUNTY ROAD NO. 42 DRAIN

OTHER DRAINS

OTHER DRAINS
(TO BE ABANDONED)

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DATE	January 21, 2025		
SCALE	AS SHOWN		



DILLON
CONSULTING

PROJECT NO. 18-8340

DRAWING SCALES BASED
ON A 11" X 17" SHEET

'SCHEDULE G'

Drainage Report for the
COUNTY ROAD NO. 42 DRAIN
Town of Tecumseh, City of Windsor
& Municipality of Lakeshore

SHEET TITLE WATERSHED PLAN 7

PAGE NO. 8 of 18

LOT 138
CITY OF WINDSOR

LOT 139
CONCESSION 3 PETITE COTE

STMH 1
TOP=182.78
INV.=180.99(E)

STMH 2
TOP=182.72
INV.=180.82(W)
INV.=180.82(E)

STMH 3
TOP=182.54
INV.=180.64(W)
INV.=180.64(E)

COUNTY ROAD NO. 42

120.1m-750mm \varnothing CONC. STORM SEWER GR.=0.12%

150.0m-900mm \varnothing CONC. STORM SEWER GR.=0.12%

ST. LOUIS DRAIN (TO BE ABANDONED)

COUNTY ROAD NO. 42 DRAIN

ST. LOUIS DRAIN (TO BE ABANDONED)

DRAIN TO BE FILLED IN

DRAIN TO BE FILLED IN

(560-02900)
DUPUIS TRUCKING &
LANDSCAPING

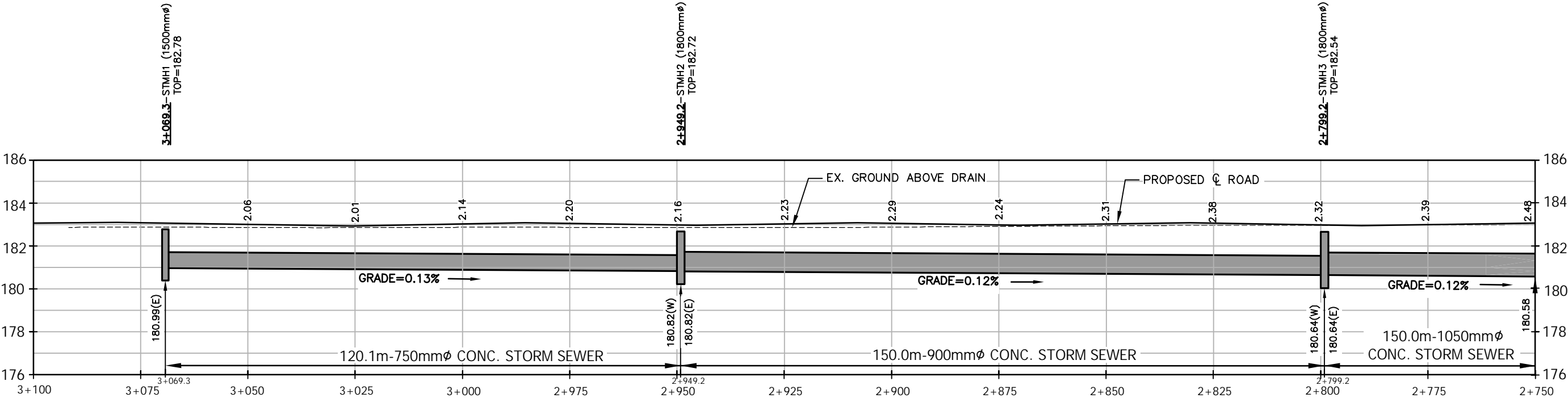
(560-03000)
RICHARD & JACQUELYN
HILLOCK

(560-03200)
RAYMOND PITTAO

(560-03300)
TAJINDER S. &
HARDISH K. DHANJU

LOT 19
CONCESSION 10

PLAN 1
SCALE-1:1,000



SEE PROFILE 2

DRAFT

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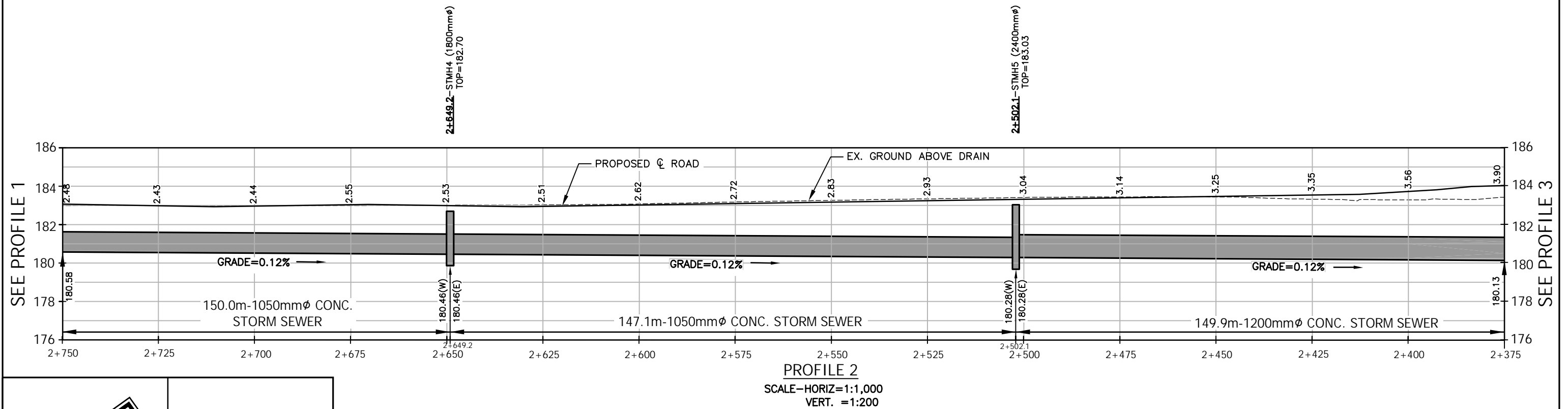
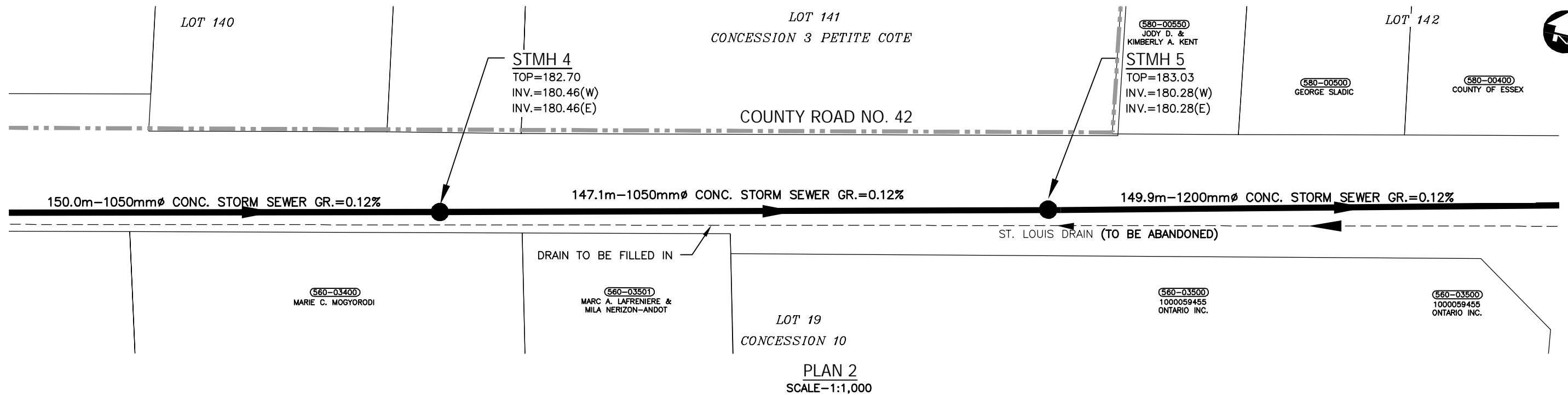
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1	CLIENT REVIEW	JAN. 21/25	MDH		
No.	ISSUED FOR	DATE	BY		

DESIGN	MDH	REVIEWED BY	CDP
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DATE	January 21, 2025		
SCALE	AS SHOWN		

PROJECT NO.	18-8340
DRAWING SCALES BASED ON A 11" X 17" SHEET	

'SCHEDULE G'	
Drainage Report for the COUNTY ROAD NO. 42 DRAIN Town of Tecumseh, City of Windsor & Municipality of Lakeshore	
SHEET TITLE	PLAN 1 & PROFILE 1
PAGE NO.	9 of 18



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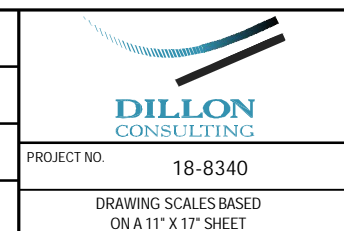
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No.	ISSUED FOR	DATE	BY

DESIGN	REVIEWED BY
MDH	CDP
DRAWN	CHECKED BY
WLB	TRO
DATE	January 21, 2025
SCALE	AS SHOWN

REVIEWED BY	CDP
CHECKED BY	TRO

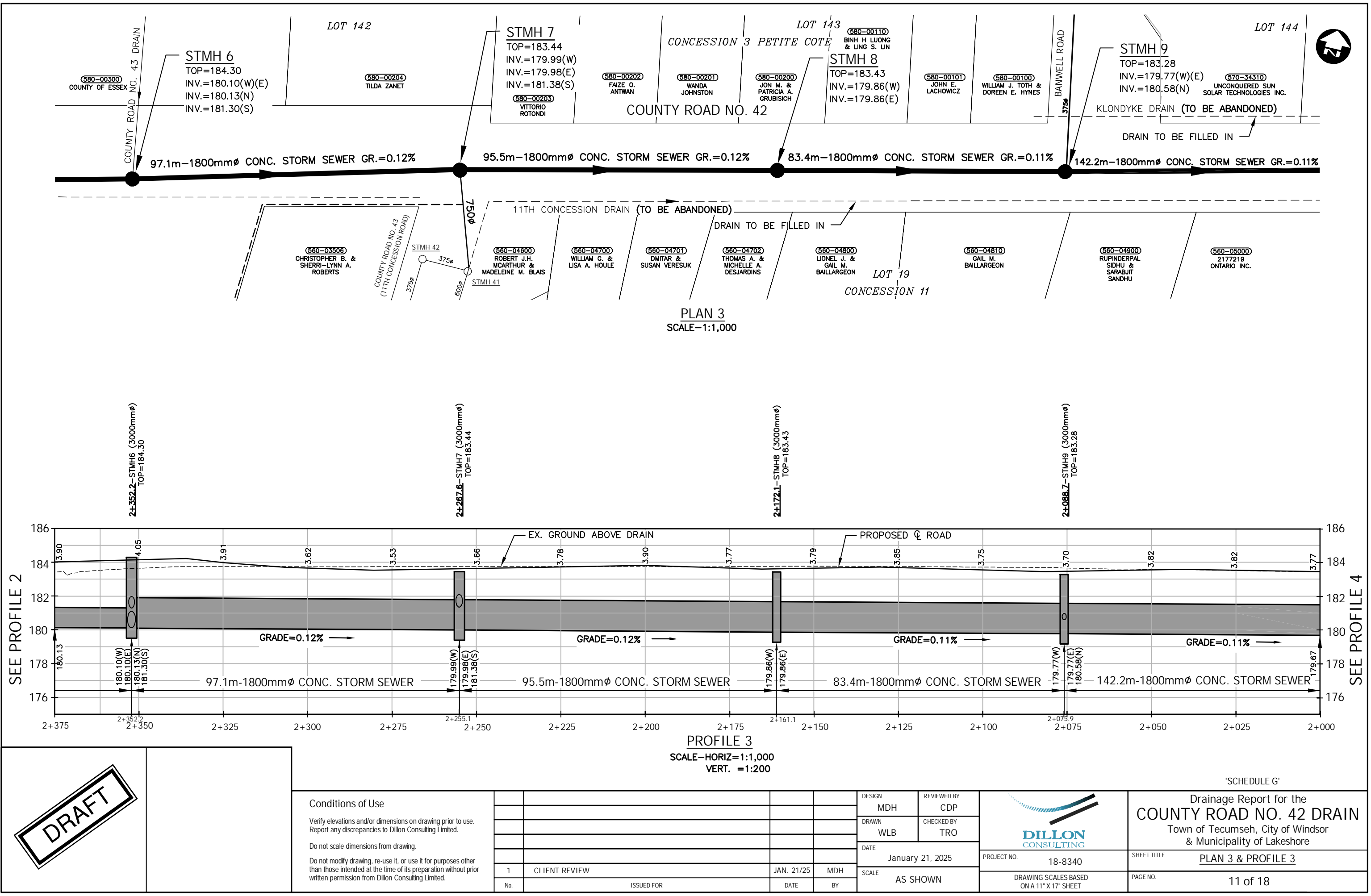
May 21, 2025

SHOWN



'SCHEDULE 4' Drainage Report for the COUNTY ROAD NO. 42 DRAIN Town of Tecumseh, City of Windsor & Municipality of Lakeshore	
SHEET TITLE	<u>PLAN 2 & PROFILE 2</u>
PAGE NO.	10 of 18

Jan 21, 2025 - 2:56pm C:\pwworking\directory\projects 2018\33\wb\dms43194\188340-03-DRN-CON (3).dwg



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DESIGN	REVIEWED BY
MDH	CDP
DRAWN	CHECKED BY
WLB	TRO
DATE	
January 21, 2025	
SCALE	
AS SHOWN	



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CONSULTING

PROJECT NO.

18-8340

DRAWING SCALES BASED
ON A 11" X 17" SHEET

'SCHEDULE G'

Drainage Report for the

COUNTY ROAD NO. 42 DRAIN

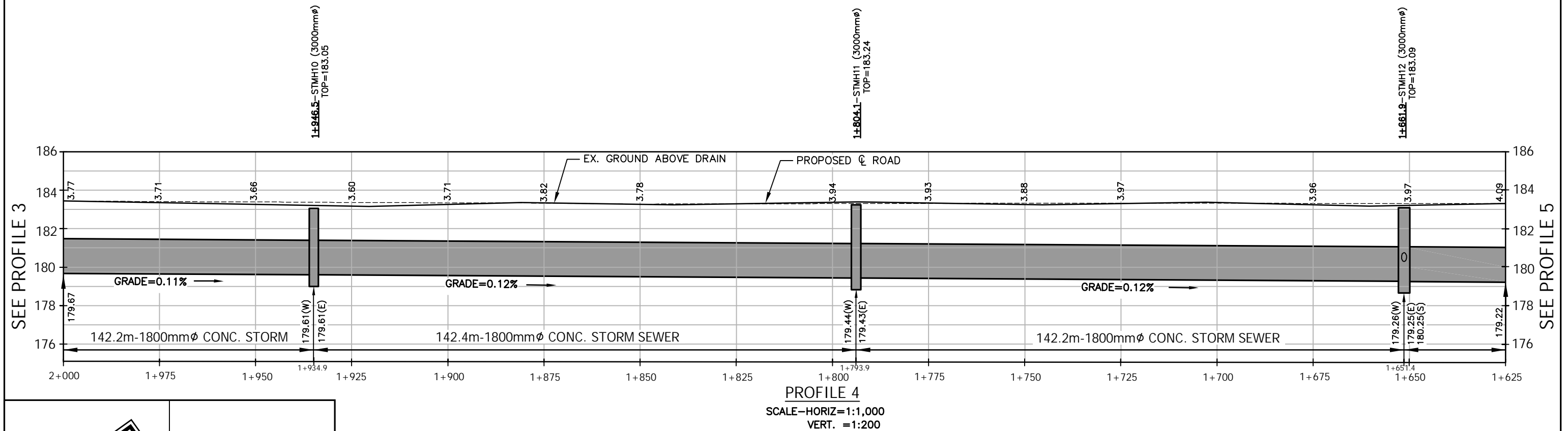
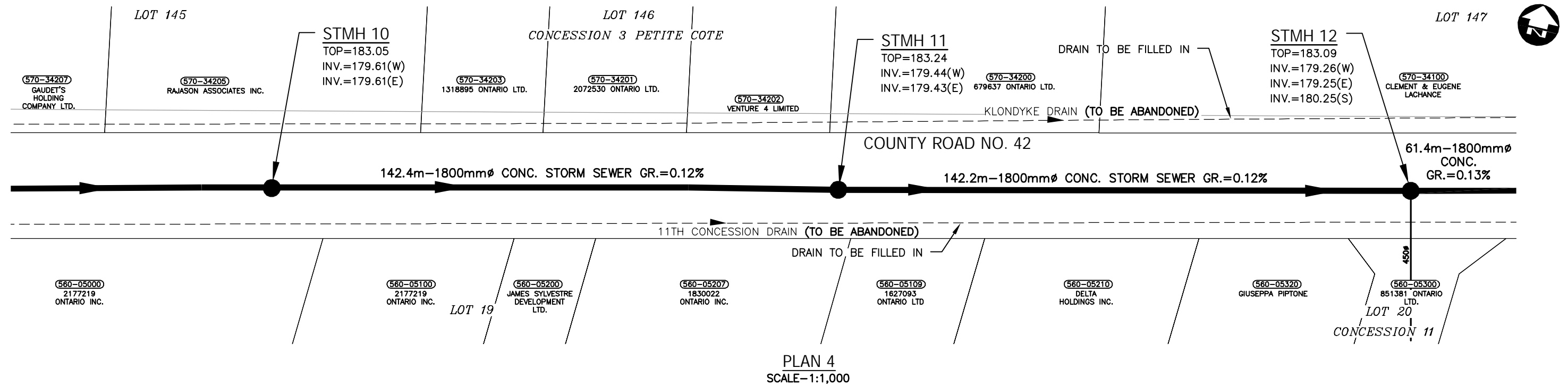
Town of Tecumseh, City of Windsor
& Municipality of Lakeshore

SHEET TITLE

PLAN 3 & PROFILE 3

PAGE NO.

11 of 18

A large, light gray, tilted rectangular stamp with the word "DRAFT" in bold, black, uppercase letters.

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MDH	CDP
DRAWN	CHECKED BY
WLB	TRO
DATE	January 21, 2025
SCALE	AS SHOWN



PROJECT NO.	18-8339
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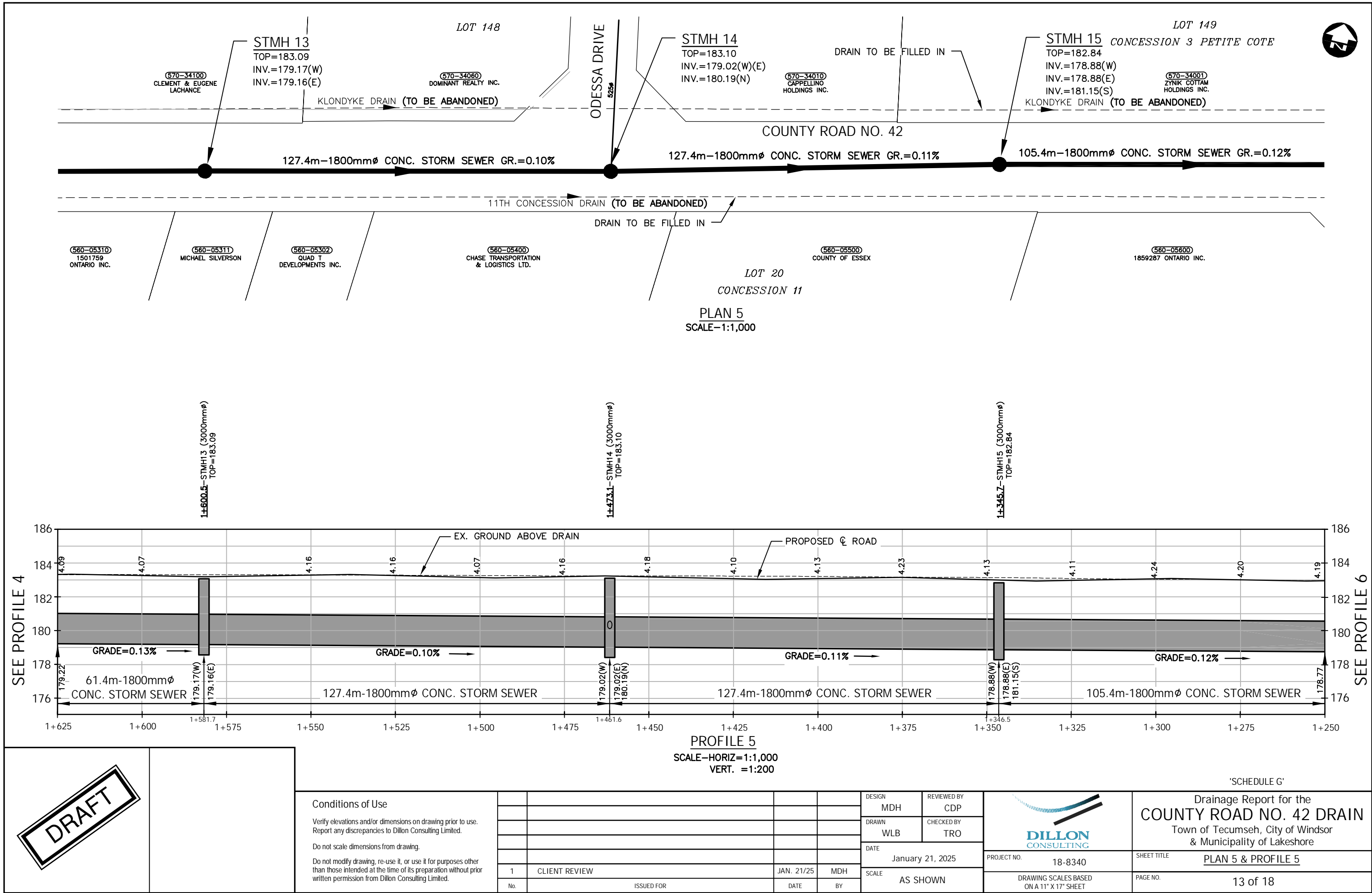
DRAWING SCALES BASED
ON A 11" X 17" SHEET

'SCHEDULE G' <hr/> Drainage Report for the COUNTY ROAD NO. 42 DRAIN Town of Tecumseh, City of Windsor & Municipality of Lakeshore
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SHEET TITLE	<u>PLAN 4 & PROFILE 4</u>
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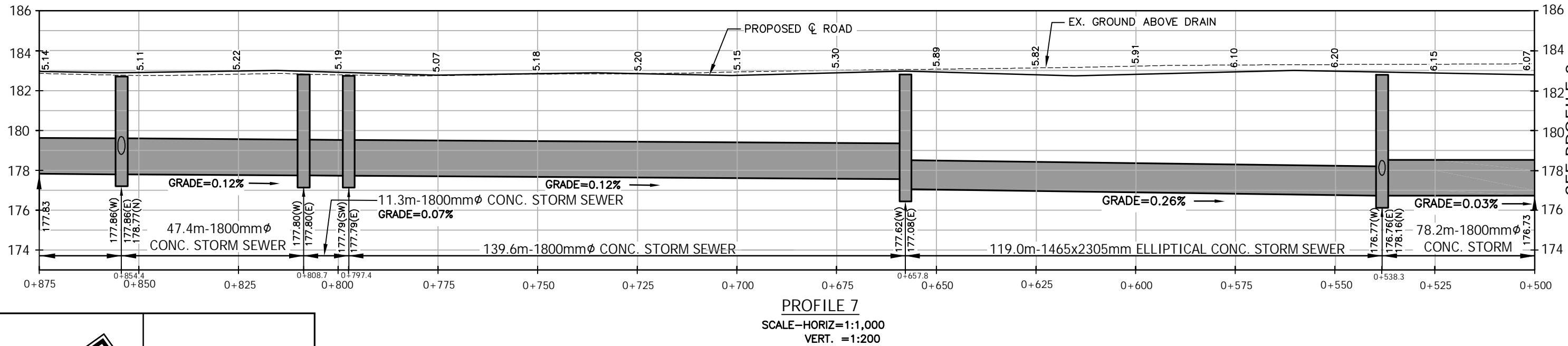
PAGE NO.	12 of 18
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Jan 21, 2025 - 2:57pm C:\pwworking\directory\projects\2018\33\wlb\dms43194\188340-03-DRN-CON (3).dwg

SEE PROFILE 6



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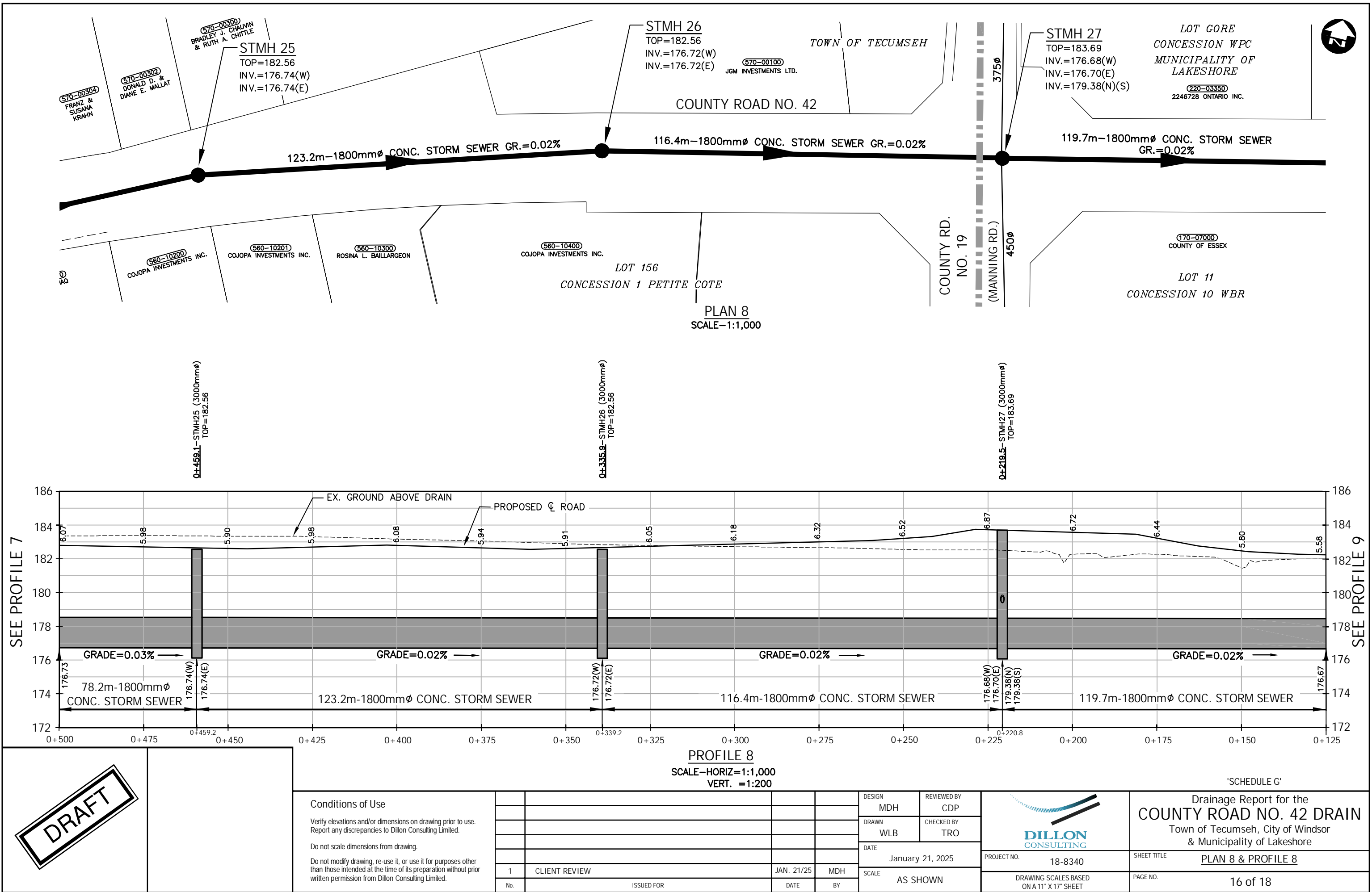
1	CLIENT REVIEW	JAN. 21/25	MDH	
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MDH	CDP
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	18-8340
DRAWING SCALES BASED ON A 11" X 17" SHEET	

'SCHEDULE G'	
Drainage Report for the COUNTY ROAD NO. 42 DRAIN	
Town of Tecumseh, City of Windsor & Municipality of Lakeshore	
SHEET TITLE	PLAN 7 & PROFILE 7
PAGE NO.	15 of 18

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MDH	CDP
DRAWN	CHECKED BY
WLB	TRO
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AS SHOWN	

PROJECT NO.	18-8340
DRAWING SCALES BASED ON A 11" X 17" SHEET	

SHEET TITLE	PLAN 8 & PROFILE 8
PAGE NO.	16 of 18

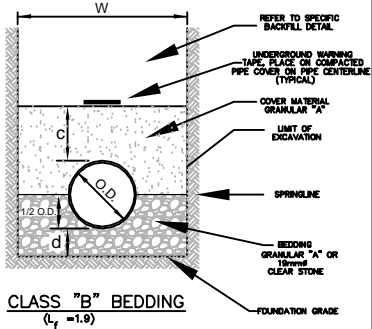
'SCHEDULE G'

Drainage Report for the
COUNTY ROAD NO. 42 DRAIN
Town of Tecumseh, City of Windsor
& Municipality of Lakeshore

Jan 21, 2025 - 2:57pm C:\pwworking\director\projects\2018\33\wlb\dms43194\188340-03-DRN-CON (3).dwg

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NOMINAL PIPE INSIDE DIAMETER D (mm)	MINIMUM TRENCH WIDTH W (mm)	MINIMUM BEDDING BELOW d (mm) (SEE NOTE 2)	MINIMUM COVER OVER PIPE C (mm)
RIGID PIPE			
675 or less	O.D. + 450	150	300
750 to 1500	O.D. + 600	225	300
1850 and over	O.D. + 800	300	300
FLEXIBLE PIPE			
under 1200	O.D. + 600	150	300
1200 to 1850	O.D. + 800	225	400
1800 and over	O.D. + 1000	225	500

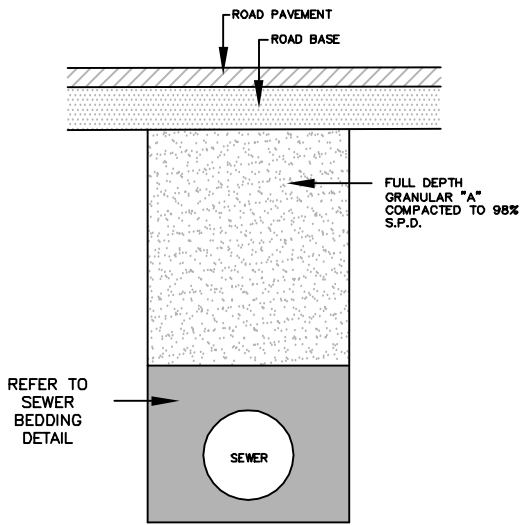


**BEDDING FOR RIGID AND FLEXIBLE
PIPE SEWERS**

NOTES

- O.D. = OUTSIDE DIAMETER OF PIPE.
- IN ROCK TRENCHES, BEDDING DEPTH (d) BELOW WATERMAINS AND SEWER PIPES SHALL BE INCREASED TO 300mm
- FOR PURPOSE OF CONTRACT SPECIFICATIONS BEDDING INCLUDES BEDDING, HAUNCHING AND COVER MATERIAL.
- GRANULAR "A" BEDDING SHALL NOT CONTAIN RECYCLED ASPHALT.
- ALL BEDDING MATERIAL MUST BE COMPACTED TO 98% STANDARD PROCTOR DENSITY

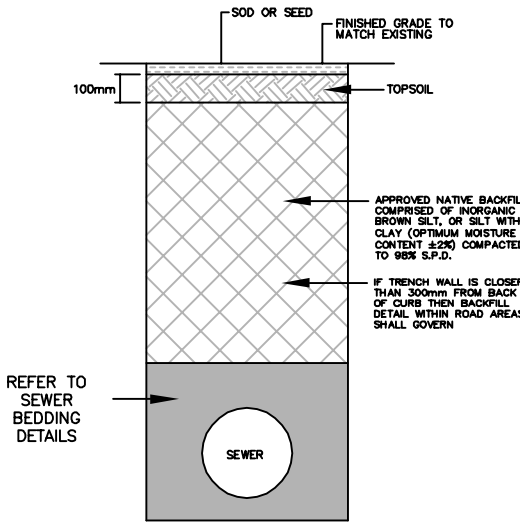
STORM SEWERS



**BACKFILL DETAIL
WITHIN ROAD AREAS
NOT TO SCALE**

NOTES:

- SLOPING OF TRENCH WALLS SHALL NOT BE PERMITTED.
- SHEETING OR TRENCH SUPPORT SYSTEM FOR ALL SOILS SHALL CONFORM TO O.H.S.A. REG. 213/91 OR CURRENT.

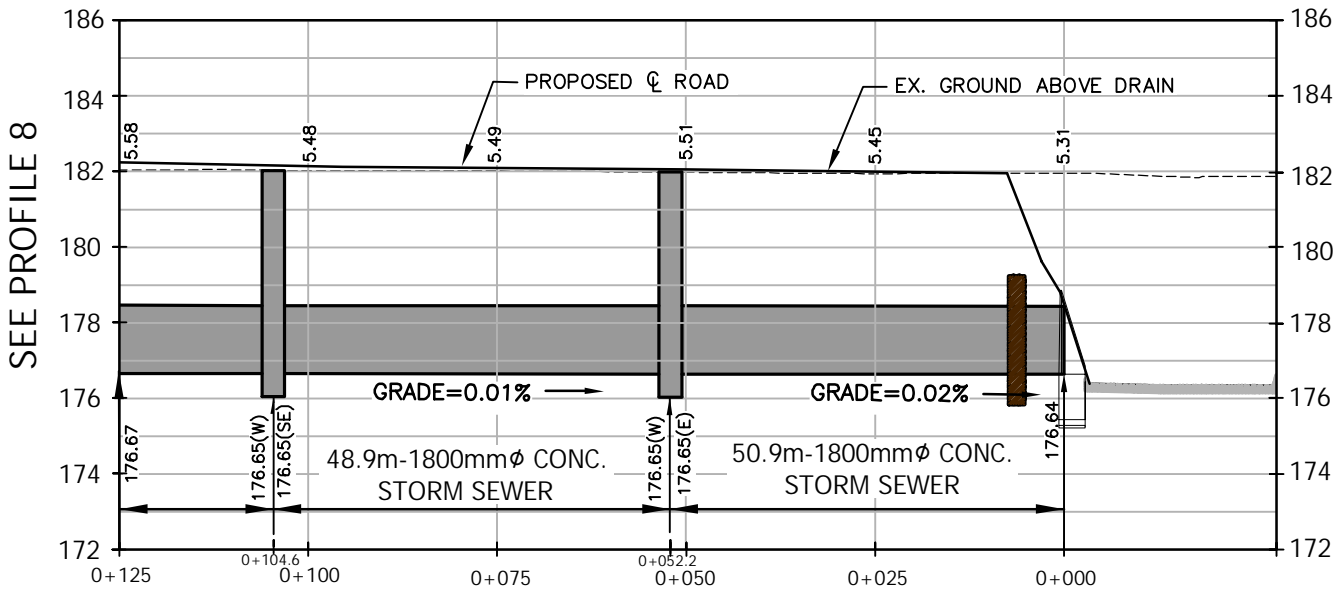
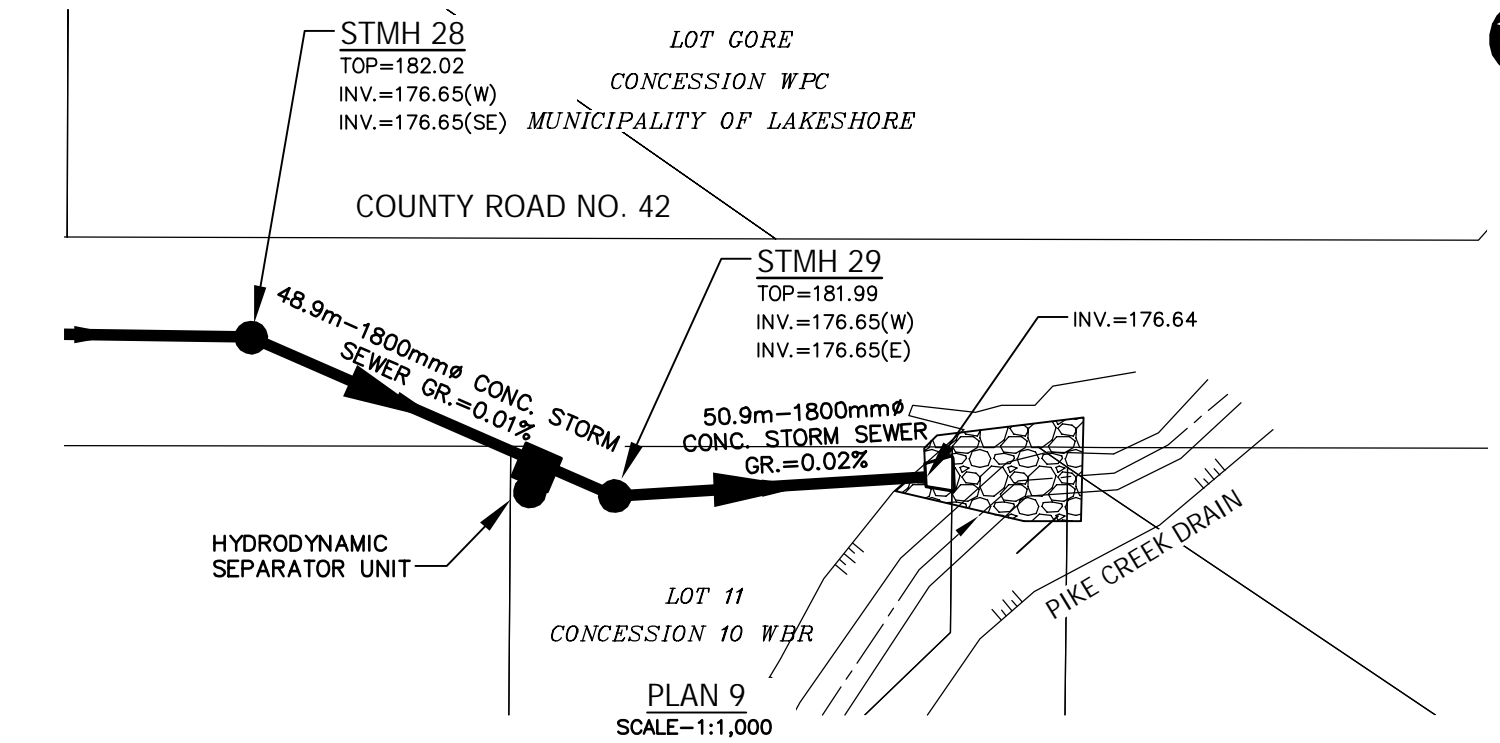


**BACKFILL DETAIL
WITHIN GRASSED AREA
NOT TO SCALE**

NOTES:

- SLOPING OF TRENCH WALLS SHALL NOT BE PERMITTED.
- SHEETING OR TRENCH SUPPORT SYSTEM FOR ALL SOILS SHALL CONFORM TO O.H.S.A. REG. 213/91 OR CURRENT.

SEE PROFILE 8



**PROFILE 9
SCALE-HORIZ=1:1,000
VERT. =1:200**

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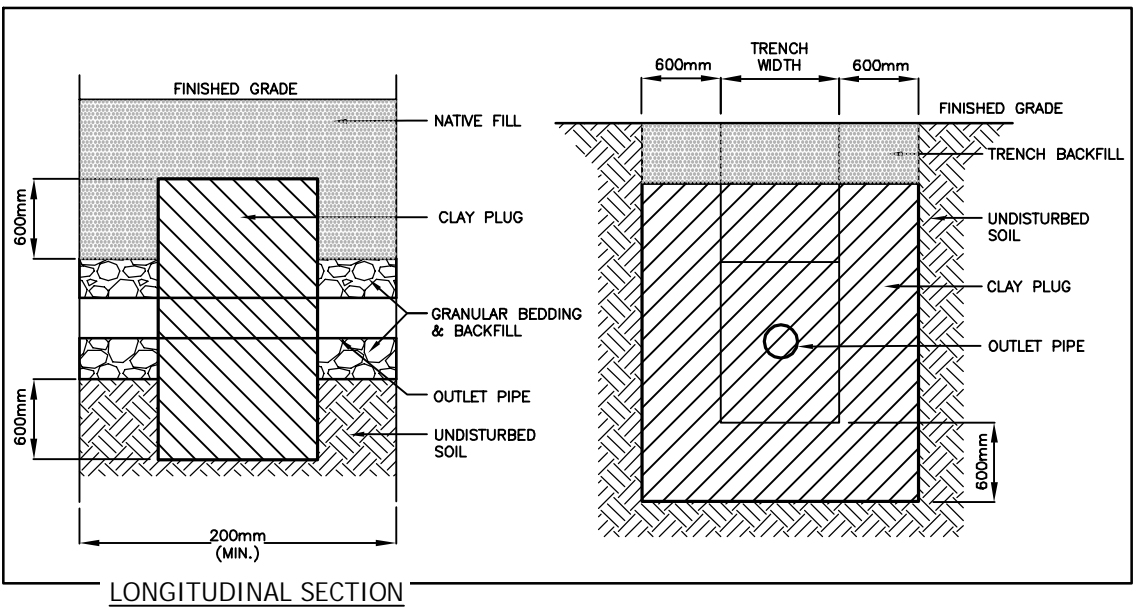
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PROJECT NO.	18-8340
DRAWING SCALES BASED ON A 11" X 17" SHEET	

'SCHEDULE G'	
Drainage Report for the COUNTY ROAD NO. 42 DRAIN Town of Tecumseh, City of Windsor & Municipality of Lakeshore	
SHEET TITLE	PLAN 9 & PROFILE 9
PAGE NO.	17 of 18



EX. GROUND

CLAY PLUG
(SEE DETAIL THIS SHEET)

CONCRETE HEADWALL

DESIGN CROSS SECTION
DRAIN BANK LINED W/R-50 RIP
RAP (MIN. 350mm THICKNESS)

PIKE CREEK DRAIN

50mm DEPTH RIVER STONE

WATER LEVEL
(5 YEAR ELV. 177.11)

75mm LEAN
CONCRETE MUD MAT
BELOW CONCRETE
HEADWALL

RIP RAP SCOUR
PROTECTION

FILTER CLOTH

850mm DEPTH RIP-RAP

DESIGN DRAIN BOTTOM
ELV. 176.335

CLASS II RIP-RAP PLACEMENT
GRADATION SPECIFICATION:
100% smaller than 760mm (30")
at least 20% larger than 600mm (24")
at least 50% larger than 500mm (20")
at least 80% larger than 300mm (12")

0.85m MIN. DEPTH OF STONE PLACEMENT
RIP RAP TO BE GROUTED IN PLACE.

EL.178.860

INV. EL.176.635

EL.175.285

3:7

1.5:1

Table 1: NUMBER OF RODS IN FRAME

PIPE DIA	No. of RODS
450	1
525	1
600	2
675	3
750	3
825	4
900	4
975	5
1050	6
1200	7

Table 2: NUMBER OF FIXED RODS IN UPPER SECTION

PIPE DIA	No. of RODS
1350	3
1500	4
1650	5
1800	6
1950	7
2100	8
2250	9
2400	10

Notes:

- Grates shall be secured by either a bolt and nut or a locking device as specified.
- Metal surfaces shall be either painted with 2 coats of self priming abrasion resistant immersion grade epoxy or hot dip galvanized as specified.
- Frame, hinge strap, mounting bracket, and steel rods shall be medium grade steel.
- All welding shall be according to CSA W59.
- All dimensions are in millimetres unless otherwise shown.

'SCHEDULE G'

Drainage Report for the
COUNTY ROAD NO. 42 DRAIN
Town of Tecumseh, City of Windsor
& Municipality of Lakeshore

SHEET TITLE OUTLET DETAILS

PAGE NO. 18 of 18